

International Journal of Engineering and Advanced Technology

ISSN : 2249 - 8958

Website: www.ijeat.org

Volume-8 Issue-5C, MAY 2019

Published by:

Blue Eyes Intelligence Engineering and Sciences Publication



Volume-8 Issue-2s2

May 4, 2019 / in / by ijeat

76 Download

4.00 KB File Size

May 4, 2019 Create Date

DOWNLOAD [#]



[\[https://www.ijeat.org/wp-content/uploads/IJEAT_Volume-8_Issue-2S2_January_2019.pdf\]](https://www.ijeat.org/wp-content/uploads/IJEAT_Volume-8_Issue-2S2_January_2019.pdf) **Download Souvenir**

Total Received Papers: 617 | Total Accepted Papers: 93

Total Rejected Papers: 524 | Acceptance Rate: 15.07%

S. No	Volume-8 Issue-2S2, January 2019, ISSN: 2249-8958 (Online)		Page No.
	Published By: Blue Eyes Intelligence Engineering & Sciences Publication		
1.	Authors:	Uma Meena, Anand Sharma	1-6
	Paper Title:	An Efficient Hop-by-Hop Message Authentication Scheme and Secure Location Privacy in Wireless Sensor Networks [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10010182S219.pdf]	
2.	Authors:	Ajay Singh Yadav, Kapil Kumar Bansal, Jitendra Kumar, Sachin Kumar	7-13
	Paper Title:	Supply Chain Inventory Model for Deteriorating item with Warehouse & Distribution Centres Under Inflation [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10020182S219.pdf]	
3.	Authors:	Ajay Singh Yadav, Jitendra Kumar, Medhavi Malik, Tripti Pandey	14-19
	Paper Title:	Supply Chain of Chemical Industry for Warehouse with Distribution Centres using Artificial bee Colony Algorithm [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10030182S219.pdf]	
4.	Authors:	HemanthBabu N, Sujata Shivashimpiger, N. Samanvita, V M Parthasarathy	20-25
	Paper Title:	Performance Ratio and Loss Analysis for 20MW Grid Connected Solar PV System - Case Study [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10040182S219.pdf]	
5.	Authors:	Ompal Singh, Kapil Kumar Bansal, Satish Kumar	26-28
	Paper Title:	Algorithm of Model on Zoning Process [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10050182S219.pdf]	
6.	Authors:	Himanshu Sirohia, Koushik Chakraborty, Neha Mathur	29-31
	Paper Title:	Enhancement of Op-Amp Characteristics by improving Common mode Rejection Ratio [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10060182S219.pdf]	
7.	Authors:	Surender Kaur	32-34
	Paper Title:	Biodiversity of River Ganga at Sapt Rishi Ashram, Hardwar, Uttaranchal [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10070182S219.pdf]	
8.	Authors:	R. Devakunchari, Rishabh Agarwal, Eshita Agarwal	35-39
	Paper Title:	A Survey of Chatbot Design Techniques [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10080182S219.pdf]	
9.	Authors:	Ajit Solanki, Mehul P. Barot	40-42

	Paper Title:	Study of Heart Disease Diagnosis by Comparing Various Classification Algorithms [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10090182S219.pdf]	
10.	Authors:	Renu, Sanjeev Sharma	43-46
	Paper Title:	An Energy efficient Integrated Framework for Secure Routing and key Management in Mobile Ad-hoc Networks [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10100182S219.pdf]	
11.	Authors:	Medhavi Malik, Bersha Kumari, Madhuri Sharma	47-51
	Paper Title:	Steps: To Make NLP More Enhance by New Techniques [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10110182S219.pdf]	
12.	Authors:	R.Manjula Sri, J.Jyothirmai, D.Swetha	52-55
	Paper Title:	Analysis of Retinal Blood Vessel Segmentation in Different types of Diabetic Retinopathy. [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10120182S219.pdf]	
13.	Authors:	K. Rajasekhar, B. Jayachandriah, S. Nishanthi	56-59
	Paper Title:	Experimental Evaluation of Injection Pressure and Injection Timing on Diesel Engine [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10130182S219.pdf]	
14.	Authors:	Gunduru Swathi Lakshmi, Neelima K, C. Subhas	60-66
	Paper Title:	Error Detection and Correction Methods for Memories used in System-on-Chip Designs [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10140182S219.pdf]	
15.	Authors:	Sama Sanghamitra and Sandip S. Deshmukh	67-71
	Paper Title:	Prominence of Bio-Fuels as an Alternate Fuel in CI Engines [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10150182S219.pdf]	
16.	Authors:	CH. Bala Rama Krishna, P. Jagadeesh	72-75
	Paper Title:	Durability studies on SCC Replacing Sand Partially with HIPS Granules [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10160182S219.pdf]	
17.	Authors:	S. Siva Sankar M. Vijay Kumar Reddy	76-83
	Paper Title:	Experimental Investigation and Optimization of EDM Process parameters on Al6061 by using TOPSIS and comparison with Genetic Algorithm [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10170182S219.pdf]	
18.	Authors:	P.Ukesh Praveen, K.V.L Swarupa	84-86
	Paper Title:	An Experimental Investigation for the Permeableness of Chloride in SelfCompacting Geopolymer Concrete by using Rapid Chloride Permeability Test Apparatus [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10180182S219.pdf]	
19.	Authors:	A. Vinodh Kumar, G.Madhusudhan, P.Vijay Kumar	87-89
	Paper Title:	An Experimental Investigation on Strength Properties of Concrete by Partial Replacement of Cement with Fly Ash and Fine Aggregate with Stone Dust [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10190182S219.pdf]	
20.	Authors:	KG Rahul Varma, P. Jagadeesh	90-94
	Paper Title:	Mechanical Properties of Sustainable Concrete Incorporating Manufactured sand and rice husk ash [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10200182S219.pdf]	
21.	Authors:	Pratyusha.T, B.M.G. Prasad	95-97
	Paper Title:	A Review on Data Security Issues and Mechanisms in Cloud Computing [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10210182S219.pdf]	
22.	Authors:	K.Rajesh Kumar, D.Sreenivasulu Reddy	98-103
	Paper Title:	Modeling of a Radio Controlled Plane with Analysis of Lift Generation Using Ansys Fluent [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10220182S219.pdf]	
23.	Authors:	B.M.G.Prasad, P.V.S. Sreenivas, C.Veena	104-111
	Paper Title:	Software Project Effort Duration and Cost Estimation using Regression Testing and Adaptive Firefly Algorithm (AFA) [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10230182S219.pdf]	
24.	Authors:	Rahul Ranjan, Humsheer Sandhu , A.Suvarnamma	112-115
	Paper Title:	Design and Development of Wall Climbing Swarm Robot [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10240182S219.pdf]	

25.	Authors:	Yuvaraj.S, C.J. Thomas Renald, Artūras Jukna, J. David Rathnaraj, M. Nallamani, P. Kaviyaran	116-119
	Paper Title:	Design and Numerical Analysis of Five Blade Propeller for a Drone [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10250182S219.pdf]	
26.	Authors:	P.Bruntha, A.Yasmeen, B.Indirapriyadarshini, N.Giri	120-123
	Paper Title:	Millennials Attitude on Effectiveness of Online Advertisement [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10260182S219.pdf]	
27.	Authors:	R. Devakunchari, Bhowmick S, Bhutada S P, Shishodia Y	124-127
	Paper Title:	Analysis Of Crimes Against Women In India Using Regression [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10270182S219.pdf]	
28.	Authors:	Chandan Kumar Shiva, B. Vedik, Ritesh Kumar	128-132
	Paper Title:	Integration of Distributed Power Sources to Hydro-Hydro Power System Subjected to Load Frequency Stabilization [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10280182S219.pdf]	
29.	Authors:	S. Nithya Lavanya, T. Bramhananda Reddy, M. Vijay kumar	133-139
	Paper Title:	Performance of Random PWM Techniques for Induction Motor Drive [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10290182S219.pdf]	
30.	Authors:	Ch. Venu kishore, K. Krishna Veni, J Pardha saradhi	140-142
	Paper Title:	Experimental Investigation on Wave Run-up and Wave Attenuation Using Artificial Emergent Vegetation [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10300182S219.pdf]	
31.	Authors:	K.Chandra mouli, N.Pannirselvam, V. Anitha, D.V.V.Nagasai pardhu	143-145
	Paper Title:	A Study on E-Highway - Future of Road Transportation [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10310182S219.pdf]	
32.	Authors:	Gayatri Khanvilkar, Deepali Vora	146-152
	Paper Title:	Product Recommendation using Sentiment Analysis of Reviews: A Random Forest Approach [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10320182S219.pdf]	
33.	Authors:	Shabana, R.V.Nikhil Santosh	153-156
	Paper Title:	Studying the Mechanical Properties of Aluminum 6063 Reinforced with Silicon Carbide and Mica [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10330182S219.pdf]	
34.	Authors:	Nekkanti Haripavan, Nandyala Sivakishan	157-160
	Paper Title:	Identification of Development Dynamics in the Krishna Eastern Delta and its Future Impacts on Water Availability and Quality with Focus on Soil Productivity and its Degradation [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10340182S219.pdf]	
35.	Authors:	Y. Pratapa Reddy, B. Aditya Mani Sai Pavan, K Satyanarayana, T. Veeraiah	161-165
	Paper Title:	Buckling Analysis of Composite Cylindrical [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10350182S219.pdf]	
36.	Authors:	Pardha Saradhi Byra, K. Gowri Raghavendra Narayan, Seshu Chakravarthy Thota	166-171
	Paper Title:	Analys on Characteristics and Efficiency in Opensource Programming Languages of Undergraduates [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10360182S219.pdf]	
37.	Authors:	Shubham Sanjay Mor, Shivam Solanki, Saransh Gupta, Sayam Dhingra, Monika Jain, Rahul Saxena	172-178
	Paper Title:	Handwritten Text Recognition: With Deep Learning and Android [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10370182S219.pdf]	
38.	Authors:	Y.Rama Mohan, V. Ananthalakshmi, G.Sateesh, Abid Nayeemuddin	179-182
	Paper Title:	Speed Control of Induction Motor Using Lab View Simulation [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10380182S219.pdf]	
39.	Authors:	G Vijaya Kumar, B Rajesh, C V Chakradhar, S Shabana Shaik	183-187
	Paper Title:	Cloud Storage Auditing Protocol for Security Key Updates [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10390182S219.pdf]	
40.	Authors:	P S.Md.Mujeeb, R.Praveen Sam, K.Madhavi	188-191
	Paper Title:	An Inception Towards Better Big Data Clustering Technique [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10400182S219.pdf]	
41.	Authors:	P.Kishore, S.Rajendra Prasad, Y.Chalapathi Rao	192-196
	Paper Title:	Low Power and High Speed Synchronous Carry Generate Adder using Modified Gate Diffusion Input [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10410182S219.pdf]	

		Technique [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10410182S219.pdf]	
42.	Authors:	B.V. Arun Kumar, G V Marutheswar	197-201
	Paper Title:	Analysis for Four Quadrant Operation and Digital Speed Control of Electronically Commutated Motor drive Using Fuzzy logic Controller [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10420182S219.pdf]	
43.	Authors:	Sathyanarayanan Kuzhikkatt	202-204
	Paper Title:	Dust-Reddening Studies Near the Taurus Molecular Cloud [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10430182S219.pdf]	
44.	Authors:	P. Ravinder Rao, K. Pavan Kumar	205-207
	Paper Title:	A Keyword Search Scheme Based on Bloom Filters [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10440182S219.pdf]	
45.	Authors:	Jayendrakumar, A.Poornima	208-213
	Paper Title:	Bi-Orthogonal Wavelet Transform Based On Single Image Visibility Restoration on Hazy Scenes [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10450182S219.pdf]	
46.	Authors:	O. Anusha, CH. Rajendra prasad	214-218
	Paper Title:	Experimental Investigation on Road Safety System at Crossings [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10460182S219.pdf]	
47.	Authors:	B.V. Ramana, M. Satyanarayana, P. Mallikarjuna Rao	219-226
	Paper Title:	Design of Logarithmic periodical Di-electric Resonator Array for Wide Band Implementations [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10470182S219.pdf]	
48.	Authors:	T. Santosh Kumar, Suman Lata Tripathi	227-229
	Paper Title:	Implementation of CMOS SRAM Cells in 7, 8, 10 and 12-Transistor Topologies and their Performance Comparison [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10480182S219.pdf]	
49.	Authors:	Ravi Kumar M G, Mrinal Sarvagya	230-236
	Paper Title:	OFDM Receiver Design using Adaptive Modulation and Channel Estimation based on Kalman filter Variations for Underwater Acoustic Communication [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10490182S219.pdf]	
50.	Authors:	John Bruce. E, T. Sasi Prabha	237-241
	Paper Title:	Lrpt- Linear Regression Based Prioritization Techniques for Early Fault Detection [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10500182S219.pdf]	
51.	Authors:	Wellanie M. Molino, Joel B. Mangaba	242-248
	Paper Title:	Mobile Contactless Solution Using Near Field Communication (NFC)-Based Transport Payment Platform with Points Segmentation: An Improvement of Haversine Implementation [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10510182S219.pdf]	
52.	Authors:	P.Harish, S.Baskar	249-254
	Paper Title:	A Survey on Detection, Recognition, Segmentation and Classification of Brain Tumor [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10520182S219.pdf]	
53.	Authors:	Murugapandiyan P, Rajya Lakshmi V, Ramkumar N, Vijay kumar Raju V	255-257
	Paper Title:	DC Characteristics of AlN Spacer Based AlXGa(1-X)N/GaN HEMT for High Power Applications [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10530182S219.pdf]	
54.	Authors:	R.Jeena, P.Sarasu	258-262
	Paper Title:	POPD Disease Diagnosing and Predictions Using Data Mining Algorithms [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10540182S219.pdf]	
55.	Authors:	Kailas Tambe, G. Krishna Mohan	263-266
	Paper Title:	An Efficient Localization Scheme for Mobile WSN [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10550182S219.pdf]	
56.	Authors:	Dinesh Babu K, Mercy Shanthi R, Suji D	267-270
	Paper Title:	A Study on effect of Fiber Pattern in Strength of Light Transmitting Concrete [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10560182S219.pdf]	
57.	Authors:	Rajeanderan Revichandran, A K M Mohiuddin, Mohammad Faisal Uddin	271-278

	Paper Title:	Experimental Investigation of Straight Shape Thermosyphon Filled with R410A Refrigerant [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10570182S219.pdf]	
58.	Authors:	Fharukh Ahmed G M, Sher Afghan Khan	279-283
	Paper Title:	Base Control Using Micro Jets for Area Ratio of 5.06 [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10580182S218.pdf]	
59.	Authors:	Nagma Parveen, Khaizuran Abdullah, Rafiqul Islam and Rounakul Islam Boby	284-287
	Paper Title:	Diversity Technique Using Discrete Wavelet Transform In OFDM System [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10590182S219.pdf]	
60.	Authors:	Mohammadsalman Warimani, Muhammad Hanafi Azami, S. A. Khan	288-290
	Paper Title:	Challenges and Solutions for Using Liquid Fuels in Aviation Industry [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10600182S219.pdf]	
61.	Authors:	Mahammadsalman Warimani, Muhammad Hanafi Azami, S. A. Khan, Ahmad Faris Ismail	291-296
	Paper Title:	Study of Feasibility of Pulse Detonation Engine Powered By Alternative Fuels [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10610182S219.pdf]	
62.	Authors:	Armands Grickus	297-299
	Paper Title:	Insulation material “Fibrol” [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10620182S219.pdf]	
63.	Authors:	S.B. Sidelnikov, V.N. Timofeev, Yu.V. Gorokhov, D.S. Voroshilov, R.I. Galiev, M.M. Motkov, V.A. Kuzemchenko, P.N. Nikiforov	300-304
	Paper Title:	Comparative Analysis Of Properties Of Wires From Alloys Of Al-Rem System, Obtained Using The Methods Of Continuous Extrusion [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10630182S219.pdf]	
64.	Authors:	Galiya Berdykulova, Aigul Niyazgulova, Nietzhan Ibragimov	305-311
	Paper Title:	Social Media in Education: Experience of Kazakhstani University [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10640182S219.pdf]	
65.	Authors:	Shah Md Tanvir Siddiquee, Keshav Kumar, Bishwajeet Pandey, Abhishek Kumar	312-314
	Paper Title:	Energy Efficient Instruction Register for Green Communication [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10650182S219.pdf]	
66.	Authors:	S Seong-Chae Lim, Hyuck Han, Chang-Sup Park	315-319
	Paper Title:	A Logging Scheme for Reducing Update Workloads in Flash Storage [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10660182S219.pdf]	
67.	Authors:	Zigurds Markovics, Juris Lauznis, Matiss Erins, Olesja Minejeva, Raivis Kivlenieks	320-324
	Paper Title:	Testing and Analysis of the HRV Signals from Wearable Smart HRV Sensors [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10670182S219.pdf]	
68.	Authors:	Prince Arulraj, Felix K Regi, Philo Mariya, Merin k Varghese, Abel Antony johns	325-328
	Paper Title:	Appication of Taughi Method for the Design of Concrete Mixes [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10680182S219.pdf]	
69.	Authors:	A.Janani, G.Prince arulraj	329-331
	Paper Title:	Synthesis of Copper Particles from Printed Circuit Boards Using Organic Acids [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10690182S219.pdf]	
70.	Authors:	V. Johnpaul, N. Balasundaram, M. Natarajan	332-334
	Paper Title:	Environmental Impact of Dumping Ggbfs on Lands in Coimbatore [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10700182S219.pdf]	
71.	Authors:	Inumula Veeraraghava Rao, V. Malleswara Rao	335-337
	Paper Title:	Energy & Spectral Efficiency Algorithms for a Transmit Antenna in Massive MIMO Technology – A Review [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10710182S219.pdf]	
72.	Authors:	Krishna Reddy Maddikera, Sarat K Kotamraju, K. Ch. Sri Kavya, S. S. S Kalyan, Bala Gangadhar TilakGande	338-342
	Paper Title:	Estimation of Melting Layerand Propagation Impairments Using Micro Rain Radar Dataat Coastal Locationof Andhra Pradesh [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10720182S219.pdf]	
73.	Authors:	V.Ramakrishna, Ch. Shravani	343-347

	Paper Title:	Mapreduce To Efficiently Extract Associations Between Biomedical Concepts From Large Text Data [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10730182S219.pdf]	
74.	Authors:	Minnu K Benny, J. Brema	348-350
	Paper Title:	Development of Intensity Duration Frequency (IDF) Curves for Upper and Lower Kuttanad, Kerala [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10740182S219.pdf]	
75.	Authors:	Prince Arulraj G, Illamathi, Jayashree	351-355
	Paper Title:	An Experimental Investigation on Piers Made with Waste Plastic Bottles [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10750182S219.pdf]	
76.	Authors:	Lingala Rishipal Redd, Arumairaj. P. D, Nancy Debora S	356-359
	Paper Title:	A Study on Erosion of Soil in Slopes Using Laboratory Slope Model [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10760182S219.pdf]	

77.	Authors:	Venisha .A, M.Murali	361-365
	Paper Title:	Discovering The Trustworthy Cloud Service Provider In Collaborative Cloud Environment [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10770182S219.pdf]	
78.	Authors:	Yousef Abubaker Mohamed Ahmed EL-Ebiary, Syarilla Iryani A Saany, M. Nordin A. Rahman, Engku Ahmad Zaki Engku Alwi, Mumtazimah Mohamad, M Mirza T Ahmad	366-370
	Paper Title:	Using Smartphone Application to Notify Muslim Travelers the Jama' Qasar Pray, Azan Times and Other Facilities [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10780182S219.pdf]	
79.	Authors:	P.Vasudha Rani, K.Sandhya Rani	371-381
	Paper Title:	Prediction of Active Users and Location Surveillance to Study Diabetes Disease Dynamics [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10790182S219.pdf]	
80.	Authors:	Anuradha Chokka, K Sandhya Rani	381-386
	Paper Title:	Improved Classification of Somatic Mutations Using AdaBoost With Feture Se-lection [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10800182S219.pdf]	
81.	Authors:	Rajasekar, M.Thiagarajan	387-390
	Paper Title:	Study on the Pre Shipment and Post Shipment Process with Reference to the Triway Forwarders Pvt Ltd [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10810182S219.pdf]	
82.	Authors:	Fabian Andrew James, R.Vettriselvan, R.Srinivasan, S.Poongavanam , J.Rengamani	391-395
	Paper Title:	Problems of Women Domestic Workers in Tamil Nadu [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10820182S219.pdf]	
83.	Authors:	S. Hemalatha	396-403
	Paper Title:	Technology Acceptance Determinants and Individual Equity Investment Decision – A SEM Analysis [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10830182S219.pdf]	
84.	Authors:	R.Vettriselvan, J.Rengamani, Fabian Andrew James, R.Srinivasan, S.Poongavanam	404-409
	Paper Title:	Issues and Challenges of Women Employees in Indian Technical Industries [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10840182S219.pdf]	
85.	Authors:	S.Ebenezera, E.Arunraj, G.Hemalatha	410-413
	Paper Title:	Analytical Behaviour on External Beam Column Joint Using Steel Mesh [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10850182S219.pdf]	
86.	Authors:	Rajendra Prasad R, S.Poongavanam , R.Srinivasan	414-417
	Paper Title:	Supply Chain and Shipping Management: A Key Factor for Logistic Innovation [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10860182S219.pdf]	
87.	Authors:	J.Rengamani, Fabian Andrew James, R.Srinivasan, S.Poongavanam, R.Vettriselvan	418-422
	Paper Title:	Impact on the usage of Electronic Data Interchange (EDI) on the International Shipping Business in Chennai [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10870182S219.pdf]	
88.	Authors:	S.Poongavanam , R.Vettriselvan, J.Rengamani, Fabian Andrew James, R.Srinivasan	423-427
	Paper Title:	Impact of Mission and Vision Statement on Technical Industries Production Units [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10880182S219.pdf]	
89.	Authors:	G Dhamodaran, K.R.Divakar Roy	428-432
	Paper Title:	Evaluation of Percentage of Value of Work Done for Construction Projects in India using Earned Value [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10890182S219.pdf]	

		Analysis [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10890182S219.pdf]	
90.	Authors:	G Dhamodaran, K.R.Divakar Roy	433-437
	Paper Title:	Estimation of Cash Flow from Value of Work Done for Construction Projects in India [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10900182S219.pdf]	
91.	Authors:	G Dhamodaran, K.R.Divakar Roy	438-441
	Paper Title:	Effective Daily Progress Report to drive the Construction Project [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10910182S219.pdf]	
92.	Authors:	Tarannum U. Pathan, Saurabh Chakole	442-446
	Paper Title:	Sensor Based Smart Farming and Plant Diseases Monitoring [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10920182S219.pdf]	
93.	Authors:	K. Raghava Krishna, B. Amutha	447-452
	Paper Title:	A Survey on PaaS Container Platform for Application Deployment [https://www.ijeat.org/wp-content/uploads/papers/v8i2s2/B10930182S219.pdf]	

Share this entry



Editorial Board

- [Home](#)
- [Aims and Scope](#)
- [Indexing](#)
- [Call for Papers \(Regular Issue\)](#)
- [Instructions for Authors](#)
- [Editorial Board](#)
- [Board of Referees \(BoR\)](#)
- [Archive](#)
- [Conferences](#)
- [Download](#)
- [Ethics & Policies](#)
- [Publication Ethics and Publication Malpractice Statement](#)
- [Article Withdrawal Policy](#)
- [Plagiarism Policy](#)
- [Peer Review Policy](#)
- [Copyright, Grants and Ownership Declaration](#)
- [Open Access Overview](#)
- [Open Access License](#)
- [Get Membership](#)
- [FAQ](#)
- [Feedback](#)

 2018

Editor-In-Chief Chair

Dr. Shiv Kumar

Ph.D. (CSE), M.Tech. (IT, Honors), B.Tech. (IT)

Director, Blue Eyes Intelligence Engineering & Sciences Publication, Bhopal (M.P.), India

Professor, Department of Computer Science & Engineering, Lakshmi Narain College of Technology-Excellence (LNCTE), Bhopal (M.P.), India

Associated Editor-In-Chief Chair

Dr. Dinesh Varshney

Director of College Development Counseling, Devi Ahilya University, Indore (M.P.), Professor, School of Physics, Devi Ahilya University, Indore (M.P.), and Regional Director, Madhya Pradesh Bhoj (Open) University, Indore (M.P.), India

Associated Editor-In-Chief Members

Dr. Hai Shanker Hota

Ph.D. (CSE), MCA, MSc (Mathematics)

Professor & Head, Department of CS, Bilaspur University, Bilaspur (C.G.), India

Dr. Gamal Abd El-Nasser Ahmed Mohamed Said

Ph.D(CSE), MS(CSE), BSc(EE)

Department of Computer and Information Technology , Port Training Institute, Arab Academy for Science ,Technology and Maritime Transport, Egypt

Dr. Mayank Singh

PDF (Purs), Ph.D(CSE), ME(Software Engineering), BE(CSE), SMACM, MIEEE, LMCSI, SMIACSIT

Department of Electrical, Electronic and Computer Engineering, School of Engineering, Howard College, University of KwaZulu-Natal, Durban, South Africa.

Scientific Editors

Prof. (Dr.) Hamid Saremi

Vice Chancellor of Islamic Azad University of Iran, Quchan Branch, Quchan-Iran

Dr. Moinuddin Sarker

Vice President of Research & Development, Head of Science Team, Natural State Research, Inc., 37 Brown House Road (2nd Floor) Stamford, USA.

Dr. Shanmugha Priya. Pon

Principal, Department of Commerce and Management, St. Joseph College of Management and Finance, Makambako, Tanzania, East Africa, Tanzania

Dr. Veronica Mc Gowan

Associate Professor, Department of Computer and Business Information Systems, Delaware Valley College, Doylestown, PA, Allman, China.

Dr. Fadiya Samson Oluwaseun

Assistant Professor, Girne American University, as a Lecturer & International Admission Officer (African Region) Girne, Northern Cyprus, Turkey.

Dr. Robert Brian Smith

International Development Assistance Consultant, Department of AEC Consultants Pty Ltd, AEC Consultants Pty Ltd, Macquarie Centre, North Ryde, New South Wales, Australia

Dr. Durgesh Mishra

Professor & Dean (R&D), Acropolis Institute of Technology, Indore (M.P.), India

Executive Editor Chair**Dr. Deepak Garg**

Professor & Head, Department Of Computer Science And Engineering, Bennett University, Times Group, Greater Noida (UP), India

Executive Editor Members**Dr. Vahid Nourani**

Professor, Faculty of Civil Engineering, University of Tabriz, Iran.

Dr. Saber Mohamed Abd-Allah

Associate Professor, Department of Biochemistry, Shanghai Institute of Biochemistry and Cell Biology, Shanghai, China.

Dr. Xiaoguang Yue

Associate Professor, Department of Computer and Information, Southwest Forestry University, Kunming (Yunnan), China.

Dr. Labib Francis Gergis Rofaiel

Associate Professor, Department of Digital Communications and Electronics, Misr Academy for Engineering and Technology, Mansoura, Egypt.

Dr. Hugo A.F.A. Santos

ICES, Institute for Computational Engineering and Sciences, The University of Texas, Austin, USA.

Dr. Sunandan Bhunia

Associate Professor & Head, Department of Electronics & Communication Engineering, Haldia Institute of Technology, Haldia (Bengal), India.

Dr. Awatif Mohammed Ali Elsiddieg

Assistant Professor, Department of Mathematics, Faculty of Science and Humatarian Studies, Elnielain University, Khartoum Sudan, Saudi Arabia.

Technical Program Committee Chair**Dr. Mohd. Nazri Ismail**

Associate Professor, Department of System and Networking, University of Kuala (UniKL), Kuala Lumpur, Malaysia.

Technical Program Committee Members**Dr. Haw Su Cheng**

Faculty of Information Technology, Multimedia University (MMU), Jalan Multimedia (Cyberjaya), Malaysia.

Dr. Hasan. A. M Al Dabbas

Chairperson, Vice Dean Faculty of Engineering, Department of Mechanical Engineering, Philadelphia University, Amman, Jordan.

Dr. Gabil Adilov

Professor, Department of Mathematics, Akdeniz University, Konyaaltı/Antalya, Turkey.

Dr. Ch.V. Raghavendran

Professor, Department of Computer Science & Engineering, Ideal College of Arts and Sciences Kakinada (Andhra Pradesh), India.

Dr. Thanhtrung Dang

Associate Professor & Vice-Dean, Department of Vehicle and Energy Engineering, HCMC University of Technology and Education, Hochiminh, Vietnam.

Dr. Wilson Udo Udofia

Associate Professor, Department of Technical Education, State College of Education, Afaha Nsit, Akwa Ibom, Nigeria.

Convener Chair**Mr. Jitendra Kumar Sen**

Blue Eyes Intelligence Engineering & Sciences Publication, Bhopal (M.P.), India

Editorial Chair**Dr. Sameh Ghanem Salem Zaghoul**

Department of Radar, Military Technical College, Cairo Governorate, Egypt.

Editorial Members**Dr. Uma Shanker**

Professor, Department of Mathematics, Muzafferpur Institute of Technology, Muzafferpur(Bihar), India

Dr. Rama Shanker

Professor & Head, Department of Statistics, Eritrea Institute of Technology, Asmara, Eritrea

Dr. Vinita Kumar

Department of Physics, Dr. D. Ram D A V Public School, Danapur, Patna(Bihar), India

Dr. Brijesh Singh

Senior Yoga Expert and Head, Department of Yoga, Samutakarsha Academy of Yoga, Music & Holistic Living, Prahladnagar, Ahmedabad (Gujarat), India.

Dr. J. Gladson Maria Britto

Professor, Department of Computer Science & Engineering, Malla Reddy College of Engineering, Secunderabad (Telangana), India.

Dr. Sunil Tekale

Professor, Dean Academics, Department of Computer Science & Engineering, Malla Reddy College of Engineering, Secunderabad (Telangana), India.

Dr. K. Priya

Professor & Head, Department of Commerce, Vivekanandha College of Arts & Sciences for Women (Autonomous, Elayampalayam, Namakkal (Tamil Nadu), India.

Dr. Pushpender Sarao

Professor, Department of Computer Science & Engineering, Hyderabad Institute of Technology and Management, Hyderabad (Telangana), India.

Dr. Nitasha Soni

Assistant Professor, Department of Computer Science, Manav Rachna International Institute of Research and Studies, Faridabad (Haryana), India.

Dr. Siva Reddy Sheri

Associate Professor, Department of Mathematics, School of Technology Hyderabad Campus, GITAM University, Visakhapatnam (Andhra Pradesh), India.

Dr. Nihar Ranjan Panda

Associate Professor, Department of Electronics and Communication Engineering, Sanketika Vidya Parishad Engineering College, Visakhapatnam (Andhra Pradesh), India.

 2017

Editor-In-Chief**Dr. Shiv Kumar**

Ph.D. (CSE), M.Tech. (IT, Honors), B.Tech. (IT), IEEE Member

Director, Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd., Bhopal(M.P.), India

Professor, Department of Computer Science & Engineering, Lakshmi Narain College of Technology-Excellence (LNCTE), Bhopal (M.P.), India

Associated Editor-In-Chief**Dr. Pradeep Kumar Gupta**

PDF, Ph.D(CSE), ME(CSE), BE(CSE), MACM, MIEEEE, LMCSI, SMIACSIT

Assistant Professor(Sr. Grade), Department of Computer Science & Engineering, Jaypee University of Information Technology, Shimla (H.P.), India

Dr. Mayank Singh

PDF (Purs), Ph.D(CSE), ME(Software Engineering), BE(CSE), SMACM, MIEEEE, LMCSI, SMIACSIT

Department of Electrical, Electronic and Computer Engineering, School of Engineering, Howard College, University of KwaZulu-Natal, Durban, South Africa.

Dr. Shachi Sahu

Ph.D. (Chemistry), M.Sc. (Organic Chemistry)

Additional Director, Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd., Bhopal(M.P.), India

Scientific Editors**Prof. (Dr.) Hamid Saremi**

Vice Chancellor of Islamic Azad University of Iran, Quchan Branch, Quchan-Iran

Dr. Venkat K. Krishnan

Post-Doctoral Research Associate, Electrical and Computer Engineering, 1121 Coover Hall, Iowa State University, Ames, Iowa, USA

Dr. CheeFai Tan

Faculty of Mechanical Engineering, University Technical, Malaysia Melaka, Malaysia.

Dr. Moinuddin Sarker

Vice President of Research & Development, Head of Science Team, Natural State Research, Inc., 37 Brown House Road (2nd Floor) Stamford, USA.

Dr. Shanmugha Priya. Pon

Principal, Department of Commerce and Management, St. Joseph College of Management and Finance, Makambako, Tanzania, East Africa, Tanzania

Dr. Guoxiang Liu

Member of IEEE, University of North Dakota, Grand Froks, N.D., USA

Dr. Veronica Mc Gowan

Associate Professor, Department of Computer and Business Information Systems, Delaware Valley College, Doylestown, PA, Allman, China.

Dr. Mohd. Nazri Ismail

Professor, System and Networking Department, Jalan Sultan Ismail, Kaula Lumpur, Malaysia

Dr. Fadiya Samson Oluwaseun

Assistant Professor, Girne American University, as a Lecturer & International Admission Officer (African Region) Girne, Northern Cyprus, Turkey.

Dr. Kakoli Das

Principal Engineer, Globalfoundries, New York, USA

Dr. M. Madijagan

BITS Pilani, Dubai Campus, DIAC, Dubai, United Arab, UAE

Dr. Pavol Tanuska

Associate Professor, Department of Applied Informatics, Automation, and Mathematics, Trnava, Slovakia

Dr. Robert Brian Smith

International Development Assistance Consultant, Department of AEC Consultants Pty Ltd, AEC Consultants Pty Ltd, Macquarie Centre, North Ryde, New South Wales, Australia

Dr. Durgesh Mishra

Chairman, IEEE Computer Society Chapter Bombay Section, Chairman IEEE MP Subsection, Professor & Dean (R&D), Acropolis Institute of Technology, Indore (M.P.), India

Dr. Sandra De Iaco

Professor, Dip.to Di Scienze Dell'Economia-Sez. Matematico-Statistica, Italy

Dr. Panich Intra

Associate Professor, Research Unit of Electrostatic Applications in Energy and Environment (RUEE), College of Integrated Science and Technology, Rajamangala University of Technology Lanna, Chiang Mai, Thailand.

Dr. Syed Zaheer Hasan

Scientist-G Petroleum Research Wing, Gujarat Energy Research and Management Institute, Energy Building, Pandit Deendayal Petroleum University Campus Raisan, Gandhinagar (Gujarat), India.

Dr. Ebrahim Nohani

Associate Professor, Department of Hydraulic Structures, Dezful Branch, Islamic Azad University, Dezful, Iran.

Executive Editors

Dr. Yu Qi

Department of Computer Science, 30 Montgomery Street, Jersey, NJ, USA.

Dr. Vahid Nourani

Professor, Faculty of Civil Engineering, University of Tabriz, Iran.

Prof.(Dr.) Anuranjan Misra

Professor & Head, Department of Computer Science & Engineering and Information Technology, Noida International University, Noida (U.P.), India.

Dr. TOFAN Cezarina Adina

Associate Professor, Department of Sciences Engineering, Spiru Haret University, Arges, Romania.

Dr. Deepak Garg

Professor, Department of Computer Science and Engineering, Thapar University, Patiala (Punjab), India, Senior Member of IEEE, Secretary of IEEE Computer Society (Delhi Section), Life Member of Computer Society of India (CSI), Indian Society of Technical Education (ISTE), Indian Science Congress Association Kolkata.

Dr. Dinesh Varshney

Director of College Development Counseling, Devi Ahilya University, Indore (M.P.), Professor, School of Physics, Devi Ahilya University, Indore (M.P.), and Regional Director, Madhya Pradesh Bhoj (Open) University, Indore (M.P.), India

Dr. Saber Mohamed Abd-Allah

Associate Professor, Department of Biochemistry, Shanghai Institute of Biochemistry and Cell Biology, Shanghai, China.

Dr. Xiaoguang Yue

Associate Professor, Department of Computer and Information, Southwest Forestry University, Kunming (Yunnan), China.

Dr. Labib Francis Gergis Rofaiel

Associate Professor, Department of Digital Communications and Electronics, Misr Academy for Engineering and Technology, Mansoura, Egypt.

Dr. Ravindra Prakash Gupta

Principal, Maharishi Arvind College of Engineering and Research Center, Jaipur (Rajasthan), India.

Dr. Hugo A.F.A. Santos

ICES, Institute for Computational Engineering and Sciences, The University of Texas, Austin, USA.

Dr. D. S. R. Murthy

Professor, Department of Information Technology, Sree Nidhi Institute of Science and Technology Yamnampet, Hyderabad (A.P.), India.

Dr. P. Raviraj

Professor & Head, Department of Computer Science & Engineering, Kalaignar Karunanidhi Institute of Technology, Coimbatore (Tamil Nadu), India.

Dr. Kapil Kumar Bansal

Head (Research and Publication), SRM University, Gaziabad (U.P.), India.

Dr. T. C. Manjunath

Principal & Professor, HKBK College of Engineering, Nagawara, Bengaluru (Karnataka), India.

Dr. Kosta Yogeshwar Prasad

Director, Technical Campus, Marwadi Education Foundation's Group of Institutions Gauridad, Rajkot (Gujarat), India.

Dr. P. Dananjayan

Professor, Department of Electrical Communication Engineering, Pondicherry Engineering College, Pondicherry (Tamil Nadu), India.

Dr. Sunandan Bhunia

Associate Professor & Head, Department of Electronics & Communication Engineering, Haldia Institute of Technology, Haldia (Bengal), India.

Dr. Rajiv Srivastava

Director, Department of Computer Science & Engineering, Sagar Institute of Research & Technology, Bhopal (M.P.), India.

Dr. Chakunta Venkata Guru Rao

Professor, Department of Computer Science & Engineering, SR Engineering College, Warangal Urban (Telangana), India.

Dr. Anuranjan Misra

Professor, Department of Computer Science & Engineering, Bhagwant Institute of Technology, Ghaziabad (U.P.), India.

Dr. A. Sivaramakrishnan

Professor, Department of Computer Science, School of Computer Science and Technology, Karunya University Coimbatore (Tamil Nadu), India.

Dr. Maheshwar Shrestha

Assistant Professor, Department of Electrical Engineering & Computer Science, Outh Dakota State University Daktronics Engineering Hall, Brookings, USA.

Dr. Awatif Mohammed Ali Elsiddieg

Assistant Professor, Department of Mathematics, Faculty of Science and Humatarian Studies, Elnielain University, Khartoum Sudan, Saudi Arabia.

Dr. P. Rathnakumar

Professor & Head, Department of Mechanical Engineering, Navodaya Institute of Technology, Raichur (Karnataka), India.

Advisory Chair**Dr. Uma Shanker**

Professor & Head, Department of Mathematics, Chouksey Engineering College, Bilaspur (C.G.), India.

Dr. Rama Shanker

Professor & Head, Department of Statistics, Eritrea Institute of Technology, Asmara, Eritrea.

Dr. Vinita Kumari

Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd., India

Dr. Sadhana Vishwakarma

Associate Professor, Department of Chemistry, Technocrat Institute of Technology, Bhopal (M.P.), India.

Dr. Kamal Mehta

Associate Professor, Department of Computer Engineering, Institute of Technology, NIRMA University, Ahmedabad (Gujarat), India.

Dr. Suresh Babu Perli

Professor & Head, Department of Electrical and Electronic Engineering, Narasaraopeta Engineering College, Guntur (A.P.), India.

Dr. Binod Kumar

Associate Professor, School of Engineering and Computer Technology, Faculty of Integrative Sciences and Technology, Quest International University, Ipoh, Perak, Malaysia.

Dr. Chiladze George

Professor, Faculty of Law, Akhaltsikhe State University, Tbilisi University, Georgia.

Dr. Kavita Khare

Professor, Department of Electronics & Communication Engineering., MANIT, Bhopal (M.P.), India.

Dr. C. Saravanan

Associate Professor (System Manager) & Head, Computer Center, NIT, Durgapur (W.B), India.

Dr. S. Saravanan

Professor, Department of Electrical and Electronics Engineering, Muthayamal Engineering College, Resipuram (Tamilnadu), India.

Dr. Amit Kumar Garg

Professor & Head, Department of Electronics and Communication Engineering, Maharishi Markandeshwar University, Mullana Ambala (Haryana), India.

Dr. Kamal K Mehta

Associate Professor, Department of Computer Engineering, Institute of Technology, NIRMA University, Ahmedabad (Gujarat), India.

Dr. Sahab Singh

Associate Professor, Department of Management Studies, Dronacharya Group of Institutions, Greater Noida (U.P), India.

Dr. Umesh Kumar

Principal, Govt Women Poly, Ranchi (Jharkhand), India.

Dr. Jaswant Singh Bhomrah

Director, Department of Profit Oriented Technique, Navsari (Gujarat), India.

Technical Chair**Dr. Mohd. Husain**

Director. MG Institute of Management & Technology, Banthara, Lucknow (U.P.), India.

Dr. T. Jayanthi

Principal, Panimalar Institute of Technology, Chennai (TN), India.

Dr. Umesh A.S.

Director, Technocrats Institute of Technology & Science, Bhopal (M.P.), India.

Dr. B. Kanagasabapathi

Infosys Labs, Infosys Limited, Center for Advance Modeling and Simulation, Infosys Labs, Infosys Limited, Electronics City, Bangalore, India.

Dr. C.B. Gupta

Professor, Department of Mathematics, Birla Institute of Technology & Sciences, Pilani (Rajasthan), India.

Dr. Jaydeb Bhaumik

Associate Professor, Department of Electronics & Communication Engineering, Haldia Institute of Technology, Haldia (Bengal), India.

Dr. Rajesh Das

Associate Professor, School of Applied Sciences, Haldia Institute of Technology, Haldia (West Bengal), India.

Dr. Mrutyunjaya Panda

Professor & Head, Department of EEE, Gandhi Institute for Technological Development, Bhubaneswar, Odisha, India

Dr. Mohd. Nazri Ismail

Associate Professor, Department of System and Networking, University of Kuala (UniKL), Kuala Lumpur, Malaysia.

Dr. Haw Su Cheng

Faculty of Information Technology, Multimedia University (MMU), Jalan Multimedia (Cyberjaya), Malaysia.

Dr. Hossein Rajabalipour Cheshmehgaz

Department of Industrial Modeling and Computing, Faculty of Computer Science and Information Systems, Universiti Teknologi Malaysia (UTM) 81310, Skudai, Malaysia.

Dr. Sudhinder Singh Chowhan

Associate Professor, Institute of Management and Computer Science, NIMS University, Jaipur (Rajasthan), India.

Dr. Neeta Sharma

Professor & Head, Department of Communication Skills, Technocrat Institute of Technology, Bhopal (M.P.), India.

Dr. Ashish Rastogi

Associate Professor, Department of CS & IT, Guru Ghansi Das University, Bilaspur (C.G.), India.

Dr. Santosh Kumar Nanda

Professor, Department of Computer Science and Engineering, Eastern Academy of Science and Technology (EAST), Khurda (Orisa), India.

Dr. Hai Shanker Hota

Associate Professor, Department of CSIT, Guru Ghansi Das University, Bilaspur (C.G.), India.

Dr. Sunil Kumar Singla

Professor, Department of Electrical and Instrumentation Engineering, Thapar University, Patiala (Punjab), India.

Dr. A. K. Verma

Professor, Department of Computer Science and Engineering, Thapar University, Patiala (Punjab), India.

Dr. Mohd. Ali Hussain

Professor, Department of Computer Science and Engineering, Sri Sai Madhavi Institute of Science & Technology, Rajahmundry (A.P.), India.

Dr. Sunil Mishra

Associate Professor, Department of Communication Skills (English), Dronacharya College of Engineering, Farrukhnagar, Gurgaon (Haryana), India.

Dr. VS Giridhar Akula

Professor, Avanthi's Research & Technological Academy, Gunthapally, Hyderabad (Andhra Pradesh), India.

Dr. S. Satyanarayana

Associate Professor, Department of Computer Science and Engineering, KL University, Guntur (Andhra Pradesh), India.

Dr. Bhupendra Kumar Sharma

Associate Professor, Department of Mathematics, KL University, BITS Pilani (Rajasthan), India.

Dr. Praveen Agarwal

Associate Professor & Head, Department of Mathematics, Anand International College of Engineering, Jaipur (Rajasthan), India.

Dr. Manoj Kumar

Professor, Department of Mathematics, Rashtriya Kishan Post Graduate Degree, College, Shamli (U.P.), India.

Dr. Shaikh Abdul Hannan

Associate Professor, Department of Computer Science, Vivekanand Arts Sardar Dalipsing Arts and Science College, Aurangabad (Maharashtra), India.

Dr. K.M. Pandey

Professor, Department of Mechanical Engineering, National Institute of Technology, Silchar (Assam), India.

Dr. Biswajit Chakraborty

MECON Limited, Research and Development Division (A Govt. of India Enterprise), Ranchi (Jharkhand), India.

Dr. D. V. Ashoka

Professor & Head, Department of Information Science & Engineering, SJB Institute of Technology, Kengeri (Bangalore), India.

Dr. Sasidhar Babu Suvanam

Professor & Academic Coordinator, Department of Computer Science & Engineering, Sree Narayana Gurukulam College of Engineering, Kadayiuruppu (Kerala), India.

Dr. C. Venkatesh

Professor & Dean, Faculty of Engineering, EBET Group of Institutions, Kangayam, Erode, Caimbatore (Tamil Nadu), India.

Dr. Nilay Khare

Associate Professor & Head, Department of Computer Science, Maulana Azad National Institute of Technology, Bhopal (M.P.), India.

Dr. Yaduvir Singh

Associate Professor, Department of Computer Science & Engineering, Ideal Institute of Technology, Govindpuram Ghaziabad, Lucknow (U.P.), India

Dr. Angela Amphawan

Head of Optical Technology, School of Computing, Universiti Utara Malaysia (Kedah), Malaysia.

Dr. Ashwini Kumar Arya

Associate Professor, Department of Electronics & Communication Engineering, Faculty of Engineering and Technology, Graphic Era University, Dehradun (Uttarakhand), India.

Dr. Yash Pal Singh

Director, Department of Electronics & Communication Engineering, KLS Institute of Engineering & Technology, KLSIET, Chandok, Bijnor (U.P.), India.

Dr. Ashish Jain

Associate Professor, Department of Computer Science & Engineering, Accurate Institute of Management & Technology, Gr. Noida (U.P.), India.

Dr. Abhay Saxena

Associate Professor & Head, Department. of Computer Science, Dev Sanskriti University, Haridwar, Uttarakhand, India

Dr. Judy. M.V

Associate Professor & Head, Department of CS & IT, Amrita School of Arts and Sciences, Amrita Vishwa Vidyapeetham, Edapally, (Kerala), India.

Dr. Sangkyun Kim

Professor, Department of Industrial Engineering, Kangwon National University, Gangwondo, Korea.

Dr. Sanjay M. Gulhane

Professor, Department of Electronics & Telecommunication Engineering, Jawaharlal Darda Institute of Engineering & Technology, Yavatmal (Maharashtra), India.

Dr. K.K. Thyagarajan

Principal & Professor, Department of Informational Technology, RMK College of Engineering & Technology, Thiruyallur (Tamil Nadu), India.

Dr. P. Subashini

Associate Professor, Department of Computer Science, Coimbatore (Tamil Nadu), India.

Dr. G. Srinivasrao

Professor, Department of Mechanical Engineering, RVR & JC, College of Engineering, Chowdavaram, Guntur (Andhra Pradesh), India.

Dr. Rajesh Verma

Professor, Department of Computer Science & Engineering & Information Technology, Kurukshetra Institute of Technology & Management, Kurukshetra (Haryana), India.

Dr. Pawan Kumar Shukla

Associate Professor, Satya College of Engineering & Technology, Haryana, India.

Dr. U C Srivastava

Associate Professor, Department of Applied Physics, Amity Institute of Applied Sciences, Amity University, Noida (U.P), India.

Dr. Reena Dadhich

Professor & Head, Department of Computer Science and Informatics, MBS MArg, Near Kabir Circle, University of Kota (Rajasthan), India.

Dr. Aashis.S.Roy

Department of Materials Engineering, Indian Institute of Science, Bangalore (Karnataka), India.

Dr. Sudhir Nigam

Professor & Principal, Department of Civil Engineering, Lakshmi Narain College of Technology and Science, Bhopal, (M.P.), India.

Dr. S. Senthil Kumar

Doctorate, Department of Center for Advanced Image and Information Technology, Division of Computer Science and Engineering, Graduate School of Electronics and Information Engineering, Chon Buk National University Deok Jin-Dong, Jeonju, Chon Buk, 561-756, South Korea.

Dr. Gufran Ahmad Ansari

Associate Professor, Department of Information Technology, College of Computer, Qassim University, Al-Qassim, Kingdom of Saudi Arabia (KSA).

Dr. R.Navaneethakrishnan

Associate Professor, Department of MCA, Bharathiyar College of Engineering and Technology, Thiruvettakudy (Puducherry), India.

Dr. Hossein Rajabalipour Cheshmejjaz

Industrial Modeling and Computing Department, Faculty of Computer Science and Information Systems, University Teknologi Skudai, Malaysia.

Dr. Veronica McGowan

Associate Professor, Department of Computer and Business Information Systems, Delaware Valley College, Doylestown, PA, Allman China.

Dr. Sanjay Sharma

Associate Professor, Department of Mathematics, Bhilai Institute of Technology, Durg (Chhattisgarh), India.

Dr. Taghreed Hashim Al-Noor

Professor, Department of Chemistry, Ibn-Al-Haitham Education for Pure Science College, University of Baghdad, Iraq.

Dr. Madhumita Dash

Professor, Department of Electronics & Telecommunication, Orissa Engineering College, Bhubaneswar (Odisha), India.

Dr. Anita Sagadevan Ethiraj

Associate Professor, Department of Centre for Nanotechnology Research (CNR), School of Electronics Engineering (Sense), Vellore Institute of Technology (VIT) University, (Tamil Nadu), India.

Dr. Sibasis Acharya

Project Consultant, Department of Metallurgy & Mineral Processing, Midas Tech International, Jindalee (Queensland), Australia.

Dr. Neelam Ruhil

Professor, Department of Electronics & Computer Engineering, Dronacharya College of Engineering, Gurgaon (Haryana), India.

Dr. Faizullah Mahar

Professor, Department of Electrical Engineering, Balochistan University of Engineering and Technology, Pakistan.

Dr. K. Selvaraju

Head, PG & Research, Department of Physics, Kandaswami Kandars College (Govt. Aided), Namakkal (Tamil Nadu), India.

Dr. M. K. Bhanarkar

Associate Professor, Department of Electronics, Shivaji University, Kolhapur (Maharashtra), India.

Dr. Sanjay Hari Sawant

Professor, Department of Mechanical Engineering, Dr. J. J. Magdum College of Engineering, Jaysingpur (Maharashtra), India.

Dr. Arindam Ghosal

Professor, Department of Mechanical Engineering, Dronacharya Group of Institutions, Noida (U.P) India.

Dr. M. Chithirai Pon Selvan

Assistant Professor, Department of Mechanical Engineering, Amity University, Dubai, UAE.

Dr. S. Sambhu Prasad

Professor & Principal, Department of Mechanical Engineering, Pragati College of Engineering, Surampalem (Andhra Pradesh), India.

Dr. Muhammad Attique Khan Shahid

Professor of Physics & Chairman, Department of Physics, Advisor (SAAP) at Government Post Graduate College of Science, Faisalabad.

Dr. Kuldeep Pareta

Professor & Head, Department of Remote Sensing/GIS & NRM, New Delhi, India.

Dr. Th. Kiranbala Devi

Associate Professor, Department of Civil Engineering, Manipur Institute of Technology, Takyelpat (Manipur), India.

Dr. Nirmala Mungamuru

Associate Professor, Department of Computing, School of Engineering, Adama Science and Technology University, Ethiopia.

Dr. Srilalitha Girija Kumari Sagi

Associate Professor, Department of Management, Gandhi Institute of Technology and Management, Visakhapatnam (Andhra Pradesh) India.

Dr. Vishnu Narayan Mishra

Associate Professor, Department of Mathematics, Sardar Vallabhbhai National Institute of Technology, Ichchhanath Mahadev Dumas Road, Surat (Gujarat), India.

Dr. Sripada Rama Sree

Vice Principal, Associate Professor, Department of Computer Science and Engineering, Aditya Engineering College, Surampalem (Andhra Pradesh), India.

Dr. Rustom Mamlook

Associate Professor, Department of Electrical and Computer Engineering, Dhofar University, Salalah, Oman. Middle East.

Dr. Ramzi Raphael Ibraheem Al Barwari

Assistant Professor, Department of Mechanical Engineering, College of Engineering, Salahaddin University – Hawler (SUH) Erbil – Kurdistan, Erbil Iraq.

Dr. Kapil Chandra Agarwal

H.O.D. & Professor, Department of Applied Sciences & Humanities, Radha Govind Engineering College, U. P. Technical University, Jai Bheem Nagar, Meerut, (U.P). India.

Dr. Anil Kumar Tripathy

Associate Professor, Department of Environmental Science & Engineering, Ghanashyama Hemalata Institute of Technology and Management, Puri Odisha, India.

Dr. Hasan. A. M Al Dabbas

Chairperson, Vice Dean Faculty of Engineering, Department of Mechanical Engineering, Philadelphia University, Amman, Jordan.

Dr. Gabil Adilov

Professor, Department of Mathematics, Akdeniz University, Konyaalti/Antalya, Turkey.

Dr. Ch.V. Raghavendran

Professor, Department of Computer Science & Engineering, Ideal College of Arts and Sciences Kakinada (Andhra Pradesh), India.

Dr. Ikvinderpal Singh

Assistant Professor, Department of Computer Science & Applications, Trai Shatabdi Guru Gobind Khalsa College, Amritsar (Punjab), India.

Dr. Thanhtrung Dang

Associate Professor & Vice-Dean, Department of Vehicle and Energy Engineering, HCMC University of Technology and Education, Hochiminh, Vietnam.

Dr. Wilson Udo Udofia

Associate Professor, Department of Technical Education, State College of Education, Afaha Nsit, Akwa Ibom, Nigeria.

Dr. Sameh Ghanem Salem Zaghoul

Doctor, Department of Radar, Military Technical College, Cairo Governorate, Egypt.

Dr. Vijay Kumar Joshi

Director-Principal, Department of Computer Science & Engineering, Ram Devi Jindal Group of Professional Institutions, Basoli (Lalru) (Punjab), India.

Dr. Avinash Sharma

Presently Principal & Professor, Department of Computer Engineering, Maharishi Markandeshwar Engineering College, Mullana, Ambala (Haryana), India.

Managing Chair**Mr. Jitendra Kumar Sen**

International Journal of Engineering and Advanced Technology (IJEAT)

Reviewer Chair**Dr. Saeed Balochian**

Associate Professor, Gonaabad Branch, Islamic Azad University, Gonabad, Iran.

Dr. Mongey Ram

Associate Professor, Department of Mathematics, Graphics Era University, Dehradun (Uttarakhand), India.

Dr. Arupratan Santra

Sr. Project Manager, Infosys Technologies Ltd, Hyderabad (A.P.), India.

Dr. Ashish Jolly

Dean, Department of Computer Applications, Guru Nanak Khalsa Institute & Management Studies, Yamuna Nagar (Haryana), India.

Dr. Israel Gonzalez Carrasco

Associate Professor, Department of Computer Science, Universidad Carlos III de Madrid, Leganes (Madrid), Spain.

Dr. Khushali Menaria

Associate Professor, Department of Bio-Informatics, Maulana Azad National Institute of Technology (MANIT), Bhopal (M.P.), India.

Dr. R. Sukumar

Professor, Sethu Institute of Technology, Pulloor, (Tamil Nadu), India.

Dr. Cherouat Abel

Professor, University of Technology, Troyes, France.

Dr. Rinkle Aggrawal

Associate Professor, Department of Computer Science and Engineering, Thapar University, Patiala (Punjab), India.

Dr. Parteek Bhatia

Associate Professor, Department of Computer Science & Engineering, Thapar University, Patiala (Punjab), India.

Dr. Manish Srivastava

Professor & Head, Department of Computer Science and Engineering, Guru Ghasidas Central University, Bilaspur (C.G.), India.

Dr. Pratosh Bansal

Associate Professor, Department of Information Technology, Institute of Engineering and Technology, Devi Ahilya Vishwavidyalaya, Indore (M.P.), India.

Dr. Pouya Derakhshan Barjoei

Associate Professor, Department of Electrical and Computer Engineering, Islamic Azad University, Naein Branch, Iran.

Dr. Subrata Bhowmik

Technical University of Denmark, Lyngby, Denmark.

Dr. Ashraf Hossain

Associate Professor, Department of Electronics & Communication Engineering, Aliah University, Kolkata (W.B), India.

Dr. A. Subramani

Professor, Department of MCA, K.S.R. College of Engineering, Tiruchengode (Tamil Nadu), India.

Dr. K. Ramesh Kumar

Associate Professor, Department of Information Technology, Hindustan University, Chennai (Tamil Nadu), India.

Dr. Jatinder Kumar R. Saini

Associate Professor & Head, Department of Computer Science, Sankalchand Patel College of Engineering, Visnagar (Gujrat), India.

Dr. Sanchayan Mukherjee

Associate Professor, Department of Mechanical Engineering, Kalyani Government Engineering College, Kalyani University, Kalyani (West Bengal), India.

Dr. Tapanendu Kamilya

Associate Professor, Department of Physics, Narajole Raj College, Narajole (West Bengal), India.

Dr. A. K. Malik

Associate Professor, Department of Mathematics, B K Birla Institute of Engineering & Technology, Pilani (Rajasthan), India.

Dr. P. Sandhya Joshi

Associate Professor, Department of Computer Science, Amrita Vishwa Vidayapeetham University, Mysore (Karnataka), India.

Dr. Jayashri Vajpai

Associate Professor, Department of Electrical Engineering, J.N.V. University, Jodhpur (Rajasthan), India.

Dr. Sam Emmanuel W R

Associate Professor, Department of Computer Science, Nesamony Memorial Christian College, Marthandam (TN), India.

Dr. Sanjay Babarao Warkad

Associate Professor, Department of Electrical Engineering, Priyadarshini College of Engineering, Nagpur (Maharashtra), India.

Dr. Ahmed Nabih Zaki Rashed

Associate Professor, Department of Electronics and Electrical Communication Engineering, Menoufia University, Menoufia, Egypt.

Dr. Deepali Virmani

Associate Professor, Department of Computer Science & Engineering, Bhagwan Parshuram Institute of Technology, GGSIPU, Rohini (Delhi), India.

Dr. M. Subba Rao

Professor, Department of Information Technology, Annamacharya Institute of Technology and Sciences, Kadapa (Andhra Pradesh), India.

Dr. K.V.L.N. Acharyulu

Professor, Faculty of Science, Department of Mathematics, Bapatla Engineering College, Bapatla (Andhra Pradesh), India.

Dr. Remisetti Rajeswara Rao

Professor & Haed, Department of Computer Science and Engineering, Mahatma Gandhi Institute of Technology, Gandipet (Hyderabad), India.

Dr. R.R. Mudholkar

Associate Professor, Department of Electronics, Shivaji University, Kodhapu (Maharashtra), India.

Dr. Rajesh Kumar U. Sambhe

Associate Professor & Head, Department of Mechanical Engineering Workshop, Jawaharlal Dard Institute of Engineering and Technology, Yavatmal (Maharashtra), India.

Dr. A. Indra

Senior General Manager, Department of Space, Control Centre and Computer Facilities, ISRO Telemetry, Tracking and Command Network, Bangalore (Karnataka), India.

Dr. M. Sasikumar

Professor, Department of Electronics and Electrical Engineering, Jeppiaar Engineering College, Chennai (Tamil Nadu), India.

Dr. Syed Asfandyar Gilani

Research Associate at SCIT Lab, Lahore, Pakistan.

Dr. VPS Naidu

Scientist, MSDF Lab, CSIR-NAL, Bangalore (Karnataka), India.

Dr. Kamal K. Mandal

Associate Professor, Department of Power Engineering, Jadavpur University, Salt Lake Campus, Kolkata (West Bengal), India.

Dr. G. Sreedhar

Associate Professor, Department of Computer Science, Rashtriya Sanskrit Vidyapeetha (Deemed University), Tirupati, (A.P), India.

Dr. B. Muthukumar

Associate Professor, Department of Information Technology, Kathir College of Engineering, Neelambur, Coimbatore (Tamil Nadu), India.

Dr. V. Nagarajan

Professor & Head, Department of Electrical and Electronics Engineering, Sona College of Technology, Salem (Tamil Nadu), India.

Dr. R. Arulmozhiyal

Associate Professor, Department of Electronics and Communication Engineering, Adhiparasakthi College of Engineering, Villupuram (Tamil Nadu), India.

Dr. R. Harikumar

Professor, Department of Electronics and Communication Engineering, Bannari Amman Institute of Technology, Sathyamangalam (Tamil Nadu), India

Dr. Anand Kumar

Professor & Head, Department of MCA, M.S. Engineering College, Bangalore (Karnataka), India.

Dr. Mohamed Rahayem

School of Science and Technology, Karlavägen (Karlskoga), Sweden.

Dr. P.T.V. Bhuvaneshwari

Associate Professor, Department of Electronics Engineering, Madras Institute of Technology Anna University, Chennai (Tamil Nadu), India.

Dr. Mangey Ram

Associate Professor, Department of Mathematics, Graphic Era University, Dehradun (Uttarakhand), India.

Dr. Sarika Jain

Assistant Professor, Department of Computer Applications, National Institute of Technology, Kurukshetra (Haryana), India.

Dr. Adri Jovin J.J.

Associate Professor, Department of Computer Science & Engineering, Sri Narayana Guru Institute of Technology, Coimbatore (Tamil Nadu), India.

Dr. V. Kumar Chinnaiyan

Professor & Head, Department of Electrical and Electronics, Jansons Institute of Technology, Caimbatore (Tamil Nadu), India.

Dr. T. Pearson

Professor, Department of Electronics and Communication Engineering, SMK Fomra Institute of Technology, Anna Nagar (Chennai), India.

Dr. Indu Verma

Professor, Department of Physics, University of Lucknow (U.P.), India.

Dr. Pravin P Patil

Associate Professor, Department of Mechanical Engineering, Graphic Era University, Dehradun (Uttarakhand), India.

Dr. Surendra Yadav

Professor, Department of Computer Science and Engineering, Dreen Avenue, Jaipur (Rajasthan), India.

Dr. K. Sivakumar

Assoc. Professor, Department of Computer Applications, SNMV College of Arts & Science, Coimbatore (Tamil Nadu), India.

Dr. Lazar Stosic

College for Professional Studies Educators, Aleksinac, Serbia, Europe.

Dr. Ashu Gupta

Associate Professor, Department of Computer Applications, Apeejay Institute of Management Technical Campus, Jalandhar (Punjab), India.

Dr. T. Logeswari

Associate Professor, Department of MCA, Dr. N.G.P. Institute of Technology, Coimbatore (Tamil Nadu), India.

Dr. Nurul Fadly Habidin

Department of Management, Faculty of Management and Economics, Universiti Pendidikan Sultan Idris, Perak.

Dr. S. Manikandan

Dean, Department of Electronics and Communication Engineering, VKS College of Engineering and Technology, Karur (Tamil Nadu), India.

Dr. S. Sasikumar

Department of Electronics and Communication Engineering, Jayaram College of Engineering and Technology, Tiruchirappalli (Tamil Nadu), India.

Dr. Mojtaba Moradi

Associate Professor, Department of Statistics, Faculty of Mathematical Sciences, University of Guilan, Rasht, Iran.

Dr. Neeraj Kumar

Associate Professor, Department of Applied Sciences & Humanities, IIMT Engineering.College, Meerut (U.P.), India.

Dr. T. V. Suryanarayana

Associate Professor, Department of ECM, K L University, Green Fields, Vaddeswaram, Guntur (A.P.), India.

Dr. Yaswanth Kumar Avulapati

Department of Computer Science, S.V.U. College of CM & CS, S.V. University, Tirupati (A.P.), India.

Dr. N Dinesh Kumar

Professor, Department of Electronics & Instrumentation, Vignan Institute of Technology and Science, Nalgonda (Telangana), India.

Dr. Deepshikha Bhargava

Associate Professor & Head, Department of Information Technology, Amity University, Jaipur (Rajasthan), India.

Dr. Dinesh Sharma

Associate Professor, Department of Electronics and Communication Engineering, DAV College of Engineering & Technology, Kanina (HR), India.

Dr. Aginam, Chukwurah Henry

Department of Civil Engineering/Structural Engineering, Nnamdi Azikiwe University, Awka, Anambra, Nigeria.

Dr. Messaouda AZZOUZI

Associate Professor, Department of Sciences and Technologies, Djelfa, Algeria.

Dr. Remica Aggarwal

Associate Professor, Department of Management, Birla Institute of Technology and Science, Pilani (Rajasthan), India.

Dr. Dinesh Chandra Jain

Associate Professor, Department of Computer Science & Engineering, Shri Vaishnav Institute of Technology and Science, Indore (M.P.), India.

Dr. Vu Truong Vu

Department of Civil Engineering, Ho Chi Minh City University of Transport, Faculty of Civil Engineering, Binh Thanh, Vietnam.

Dr. Muhammad Farhan

Department of Mathematical Models & Travel Demand Forecasting, Wasatch Front Regional Council, USA.

Dr. S. Sumathi

Professor, Department of Electrical and Electronics Engineering, Vinayaka Mission's Kirupananda Variyar Engineering College, Salem (Tamil Nadu), India.

Dr. G. Subramanya Nayak

Associate Professor, Department of Electronics & Communication Engineering, Manipal Institute of Technology, Manipal University, Manipal (Karnataka), India.

Dr. R. Balamurugan

Professor, Department of Electrical and Electronics Engineering, KSR College of Technology, Tiruchengode (Tamil Nadu), India.

Dr. Ganesh Kumar T

Department of Computer Science and Engineering, Manonmaniam Sundaranar University, Tirunelveli (Tamil Nadu), India.

Dr. K. Siva Rama Krishna

Associate Professor, Department of Civil Engineering, Gitam University, Visakhapatnam (Andhra Pradesh), India.

Dr. P. Sanjeevi Kumar

Associate Professor, Department of Electrical Engineering, Bharathi Street (Puducherry), India.

Dr. DALAH Mohamed

Professor, Department of Mathematics, Faculty of Sciences, University of Constantine, Algeria.

Dr. Shoukat Ali

Professor, Department of Mathematics, Govt. Engineering College Bikaner, Bikaner (Rajasthan), India.

Dr. Vijay K Chaudhari

Professor & Head, Department of Information Technology, Truba Institute of Engineering and Technology, Bhopal (M.P.), India.

Dr. Ricardo Rodriguez Jorge

Associate Professor, Technological University of Ciudad Juarez.

Dr. N. Venkatesan

Associate Professor, Department of IT, Bharathiyar College of Engineering and Technology, Thiruvettakudy (Puducherry), India.

Dr. Syed Umar

Associate Professor, Department of ECM, Koneru Lakshmaiah Education Foundation, Guntur (A.P.), India.

Dr. Manoranjan Pradhan

Professor, Department of Computer Science and Engineering, Gandhi Institute for Technological Advancement, Badaraghunathpur (Odisha), India.

Dr. H. S. Behera

Associate Professor, Department of Computer Science and Engineering, Veer Surendra Sai University of Technology, Burla, Sambalpur (Odisha), India.

Dr. Sunil Kumar

Associate Professor, Department of Mathematics, National Institute of Technology, Jharkhand, India.

Dr. Shrikant Tiwari

Associate Professor, Department of Computer Science & Engineering, Shri Shankaracharya Group of Institutions, Chattisgarh, India.

Dr. Ahmed AbdAllah Hassan

Associate Professor, Department of Computer Science and Information, Community College, Taibah University, Al Medina Al Munawara, Saud Arabia.

Dr. Vijay H Mankar

Associate Professor, Department of Electronics and Telecommunication, Govt. Poly Technique, Nagpur (Maharashtra), India.

Dr. Govindaraj Thangavel

Professor & Head, Department of Electronics and Electrical Engineering, Muthayammal Engineering College, Namakkal (Tamil Nadu), India.

Dr. Satish Kumar Peddapelli

Associate Professor, Department of Electrical Engineering, University College of Engineering, Osmania University, Hyderabad (Andhra Pradesh), India.

Dr. Kola Satya Narayana

Pragati Engineering College, East Godavari (Andhra Pradesh), India.

Dr. Pankaj Kumar Sharma

Associate Professor, Department of Electronics and Communication Engineering, Moradabad Institute of Technology, Moradabad (U.P.), India.

Dr. Shaikh Abdul Hannan

Associate Professor, Department of Computer Science, Vivekanand Arts Sardar Dalipsing Arts and Science College, Aurangabad (Maharashtra), India.

Dr. Om Prakash Singh

Associate Professor, School of Engineering, Indian Institute of Technology (IIT) Mandi, Mandi (Himachal Pradesh), India.

Dr. JatinderKumar R. Saini

Associate Professor & Head, Department of Computer Science, Sankalchand Patel College of Engineering, Mehsana (Gujrat), India.

Dr. G. R. Rameshkumar

Senior Lecturer, Department of Mechanical & Industrial Engineering, Caledonian College of Engineering, SEEB, Oman.

Dr. K.S. Zakiuddin

Dean Academics, Professor & Head, Department of Mechanical Engineering, Priyadarshini College of Engineering, Nagpur Maharashtra, India.

Dr. Kamal K Mandal

Associate Professor & Ex-Head, Department of Power Engineering, Jadavpur University, Salt Lake Campus, Kolkata (West Bengal), India.

Dr. Satyanarayana

Professor, Department of Biomedical Engineering, Director of Research, Orthopaedic Surgery, Wayne State University, Bioengineering Center, Michigan, USA.

Dr. Chitra Dhawale

Department of M.C.A , P. R. Patil Group of Educational Institutes, Amravati (Maharashtra), India.

Dr. Abdul Mutalib Leman

Associate Professor, Faculty of Mechanical and Manufacturing Engineering, University Tun Hussein Onn Malaysia, Malaysia.

Dr. Ashis Banerjee

400 Stone Break Extension, Malta, NY 12020, USA.

Dr. B. L Dhananjaya

Associate Professor, School of Chemical and Biotechnology (SCBT), SASTRA University, Thirumalaisamudram (Tamil Nadu), India.

Dr. S. Kishore Reddy

Associate Professor, Department of Electronics & Communication Engineering, Swarna Bharathi College of Engineering, Khammam (Andhra Pradesh), India.

Dr. Rajesh Singh

Head, Institute of Robotics Technology, University of Petroleum and Energy Studies, Dehradun (Uttarakhand), India.

Dr. Binay Kumar

Associate Professor, Department of Applied Science, Dronacharya College of Engineering, Gurgaon (Delhi), India.

Dr. V. Sekar

Professor, Department of Electronics and Electrical Engineering, Principal Dhanalakshmi Srinivasan Institute of Technology, Samayapuram (Tamil Nadu), India.

Dr. S. Prabu

Associate Professor, Department of Computing Science and Engineering, VIT University Vellore (Tamil Nadu), India.

Dr. Mohammad Israr

Principal, Department of Mechanical Engineering, Balaji Engineering College Junagadh (Gujarat) India.

Dr. A. Siva Kumar

Professor & Head, Department of Mechanical Engineering, MLR Institute of Technology, Dundigal (Hyderabad), India.

Dr. Joydip Sengupta

Assistant Professor & Head, Department of Electronic Science, Jogesh Chandra Chaudhuri College (Affiliated to University of Calcutta), Kolkata (West Bengal), India.

Dr. B. P. Ladgaonkar

Associate Professor & Head, Department of Electronics, Shankarrao Mohite Mahavidyalaya, Akluj (Maharashtra), India.

Dr. E. Mohan

Professor & Head, Department of Computer Science and Engineering, Pallavan College of Engineering, Kanchipuram (Tamilnadu), India.

Dr. M. Shanmuga Priya

Associate Professor, Department of Biotechnology, MVJ College of Engineering, Bangalore (Karnataka), India.

Dr. Leena Jain

Associate Professor & Head, Department of Computer Applications, Global Institute of Management & Emerging Technologies, Amritsar (Punjab), India.

Dr. S.S.S.V Gopala Raju

Professor, Department of Civil Engineering, GITAM School of Technology, GITAM, University, Hyderabad (Andhra Pradesh), India.

Dr. Ani Grubisic

Department of Computer Science, Teslina 12, 21000 split, Croatia.

Dr. Ashish Paul

Associate Professor, Department of Basic Sciences (Mathematics), Assam Don Bosco University, Guwahati (Assam), India.

Dr. Sivakumar Durairaj

Professor, Department of Civil Engineering, Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Chennai (Tamil Nadu), India.

Dr. Rashmi Nigam

Associate Professor, Department of Applied Mathematics, University Institute of Technology RGPV, Bhopal, (M.P.), India.

Dr. Mu-Song Chen

Associate Professor, Department of Electrical Engineering, Da-Yeh University, Taiwan, China.

Dr. Ramesh S

Associate Professor, Department of Electronics & Communication Engineering, Dr. Ambedkar Institute of Technology, Bangalore (Karnataka), India.

Dr. Nor Hayati Abdul Hamid

Associate Professor, Department of Civil Engineering, University Teknologi Mara, Selangor, Malaysia.

Dr. C. Nagarajan

Professor & Head, Department of Electrical & Electronic Engineering, Muthayammal Engineering College, Rasipuram (Tamil Nadu), India.

Dr. Ilaria Cacciotti

Department of Industrial Engineering, University of Rome Tor Vergata Via del Politecnico, Rome-Italy.

Dr. V. Balaji

Principal Cum Professor, Department of Electronics and Electrical Engineering and E & I, Lord Ayyappa Institute of Engineering and Technology, Kanchipuram (Tamil Nadu), India.

Dr. G. Anjan Babu

Associate Professor, Department of Computer Science, S V University, Tirupati (Andhra Pradesh), India.

Dr. Damodar Reddy Edla

Associate Professor, Department of Computer Science & Engineering, National Institute of Technology, Farmagudi (Goa), India.

Dr. D. Arumuga Perumal

Professor, Department of Mechanical Engineering, Noorul Islam University, Kanyakumari (Tamil Nadu), India.

Dr. Roshdy A. AbdelRassoul

Professor, Department of Electronics and Communications Engineering, Arab Academy for Science and Technology, Abu-Qir, Alexandria, Egypt.

Dr. Aniruddha Bhattacharya

Associate Professor & Head, Department of Computer Science & Engineering, Amrita School of Engineering, Bangalore (Karnataka), India.

Dr. P. Venkateswara Rao

Professor, Department of Mechanical Engineering, Kakatiya Institute of Technology and Science, Warangal (Telangana), India.

Dr. V. Mahalakshmi M.L

Associate Professor & Head, Institute of Management Studies, Chennai CID Quarters, Mandaveli (Chennai), India.

Dr. Rajeshkumar U. Sambhe

Associate Professor & Head, Department of Mechanical, Jawaharlal Darda Institute of Engineering and Technology, Yavatmal (Maharashtra), India.

Dr. Ashok G. Matani

Associate Professor, Department Mechanical Engineering, Govt. College of Engineering, Vidarbha Mahavidyalaya, Amravati (Maharashtra), India.

Dr. Gamze OZ E L

Department Statistics, Faculty of Science, Hacettepe University Ankara, Turkey.

Dr. M V Ragahavendra

Associate Professor, Department Electronics & Communication, Adama Science & Technology University, Adama, Ethiopia.

Dr. A. Selvan

Associate Professor, Department Chemistry, Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Avadi (Tamil Nadu), India.

Dr. R. V. Krishnaiah

Professor & Head, Department of Computer Science & Engineering, DRK Institute of Science and Technology, Hyderabad (Telangana), India.

Dr. Jamshid Nazemi

Associate Professor, Department Industrial Engineering, Science & Research Branch, Azad University, Poonak (Tehran), Iran.

Dr. V. Shanmugaraju

Associate Professor & Head, Department Biotechnology, Dr. NGP Arts and Science College, Bangalore (Karnataka), India.

Dr. Soni Changlani

Professor, Department of Electronics & Communication, Lakshmi Narain College of Technology & Science, Bhopal (M.P.), India.

Dr. M. M. Manyuchi

Professor, Department Chemical and Process Systems Engineering, Lecturer-Harare Institute of Technology, Zimbabwe.

Dr. John Kaiser S. Calautit

Professor, Department Civil Engineering, School of Civil Engineering, University of Leeds, Leeds, United Kingdom.

Dr. Audai Hussein Al-Abbas

Deputy Head, Department AL-Musaib Technical College, Foundation of Technical Education, Babylon, Iraq.

Dr. Şeref Doğuşcan Akbaş

Professor, Department Civil Engineering, Şehit Muhtar Mah. Öğüt Sok. Beyoğlu Istanbul, Turkey.

Dr. H S Behera

Associate Professor, Department Computer Science & Engineering, Veer Surendra Sai University of Technology (VSSUT) A Unitary Technical University Established by the Government of Odisha, India.

Dr. Rajeev Tiwari

Associate Professor, Department Computer Science & Engineering, University of Petroleum & Energy Studies (UPES), Bidholi (Uttarakhand), India.

Dr. Piyush Kumar Shukla

Associate Professor, Department of Computer Science and Engineering, University Institute of Technology, RGPV University, Bhopal (M.P.), India.

Dr. Piyush Lotia

Associate Professor, Department of Electronics and Instrumentation, Shankaracharya College of Engineering and Technology, Bhilai (C.G.), India.

Dr. Asha Rai

Associate Professor, Department of Communication Skills, Technocrat Institute of Technology, Bhopal (M.P.), India.

Dr. Vahid Nourani

Associate Professor, Department of Civil Engineering, University of Minnesota, USA.

Dr. Hung-Wei Wu

Associate Professor, Department of Computer and Communication, Kun Shan University, Taiwan.

Dr. Vuda Sreenivasarao

Associate Professor, Department of Computer and Information Technology, Defence University College, Debrezeit Ethiopia.

Dr. Sanjay Bhargava

Associate Professor, Department of Computer Science, Banasthali University, Jaipur (Rajasthan), India.

Dr. Sanjoy Deb

Associate Professor, Department of Electrical Communication Engineering, BIT Sathy, Sathyamangalam (Tamil Nadu), India.

Dr. Papita Das (Saha)

Associate Professor, Department of Biotechnology, National Institute of Technology, Durgapur (West Bengal), India.

Dr. Waail Mahmud Lafta Al-waely

Associate Professor, Department of Mechatronics Engineering, Al-Mustafa University College, AL-SAAKKRA Square, Baghdad-Iraq.

Dr. P. P. Satya Paul Kumar

Associate Professor, Department of Physical Education & Sports Sciences, University College of Physical Education & Sports Sciences, Guntur (Andhra Pradesh), India.

Dr. Sohrab Mirsaedi

Associate Professor, Department of Electrical Engineering, Universiti Teknologi Malaysia (UTM), Skudai (Johor), Malaysia.

Dr. Omed Ghareb Abdullah

Associate Professor, Department of Physics, School of Science, University of Sulaimani, Iraq.

Dr. Khaled Eskaf

Associate Professor, Department of Computer Engineering, College of Computing and Information Technology, Alexandria, Egypt.

Dr. Nitin W. Ingole

Associate Professor & Head, Department of Civil Engineering, Prof Ram Meghe Institute of Technology and Research, Badnera Amravati (Maharashtra), India.

Dr. P. K. Gupta

Associate Professor, Department of Computer Science and Engineering, Jaypee University of Information Technology, Solan (Himachal Pradesh), India.

Dr. P. Ganesh Kumar

Associate Professor, Department of Electronics & Communication, Sri Krishna College of Engineering and Technology, Linyi Top Network Co Ltd Linyi, China.

Dr. Santhosh K V

Associate Professor, Department of Instrumentation and Control Engineering, Manipal Institute of Technology, Manipal (Karnataka), India.

Dr. Subhendu Kumar Pani

Associate Professor, Department of Computer Science and Engineering, Orissa Engineering College, Bhubaneswar (Odisha), India.

Dr. Syed Asif Ali

Professor & Chairman, Department of Computer Science, SMI University, Karachi, Pakistan.

Dr. Vilas Warudkar

Associate Professor, Department of Mechanical Engineering, Maulana Azad National Institute of Technology, Bhopal (M.P.), India.

Dr. S. Chandra Mohan Reddy

Associate Professor & Head, Department of Electronics & Communication Engineering, JNTUA College of Engineering (Autonomous), Cuddapah (Andhra Pradesh), India.

Dr. V. Chittaranjan Das

Associate Professor, Department of Mechanical Engineering, R.V.R. & J.C. College of Engineering, Guntur (Andhra Pradesh), India.

Dr. Jamal Fathi Abu Hasna

Associate Professor, Department of Electrical & Electronics and Computer Engineering, Near East University, TRNC, Turkey.

Dr. S. Deivanayagi

Associate Professor, Department of Physics, Sri Ramakrishna Engineering College, Coimbatore (Tamil Nadu), India.

Dr. Nirvesh S. Mehta

Professor, Department of Mechanical Engineering, Sardar Vallabhbhai National Institute of Technology, Surat (Gujarat), India.

Dr. A.Vijaya Bhasakar Reddy

Associate Professor, Research Scientist, Department of Chemistry, Sri Venkateswara University, Tirupati (Andhra Pradesh), India.

Dr. C. Jaya Subba Reddy

Associate Professor, Department of Mathematics, Sri Venkateswara University, Tirupathi (Andhra Pradesh), India.

Dr. Balbir Singh

Associate Professor, Department of Health Studies, Human Development Area, Administrative Staff College of India, Bella Vista (Andhra Pradesh), India.

Dr. D. RAJU

Associate Professor, Department of Mathematics, Vidya Jyothi Institute of Technology (VJIT), Hyderabad (Telangana), India.

Dr. Salim Y. Amdani

Associate Professor & Head, Department of Computer Science Engineering, B. N. College of Engineering, Pusad (M.S.), India.

Dr. K. Kiran Kumar

Associate Professor, Department of Information Technology, Bapatla Engineering College, Bapatla (Andhra Pradesh), India.

Dr. Md. Abdullah Al Humayun

Associate Professor, Department of Electrical Systems Engineering, University Malaysia Perlis, Malaysia.

Dr. Vellore Vasu

Teaching Assistant, Department of Mathematics, S.V. University, Tirupati (Andhra Pradesh), India.

Dr. Naveen K. Mehta

Associate Professor & Head, Department of Communication Skills, Mahakal Institute of Technology, Ujjain (M.P.), India.

Dr. Gujar Anant Kumar Jotiram

Associate Professor, Department of Mechanical Engineering, Ashokrao Mane Group of Institutions, Vathar (Maharashtra), India.

Dr. Pratibhamoy Das

Scientist, Department of Mathematics, IMU Berlin Einstein Foundation Fellow Technical University of Berlin, Germany.

Dr. Messaouda AZZOUZI

Associate Professor, Department of Sciences & Technology, University of Djelfa, Algeria.

Dr. Vandana Swarnkar

Associate Professor, Department of Chemistry, Jiwaji University, Gwalior (M.P.), India.

Dr. Arvind K. Sharma

Associate Professor, Department of Computer Science Engineering, University of Kota, Kabir Circle (Rajasthan), India.

Dr. R. Balu

Associate Professor, Department of Computr Applications, Bharathiar University, Coimbatore (Tamil Nadu), India.

Dr. S. Suriyanarayanan

Associate Professor, Department of Water and Health, Jagadguru Sri Shivarathreeswara University, Mysuru (Karnataka), India.

Dr. Dinesh Kumar

Associate Professor, Department of Mathematics, Pratap University, Jaipur (Rajasthan), India.

Dr. Sandeep N

Associate Professor, Department of Mathematics, Vellore Institute of Technology, Vellore (Tamil Nadu), India.

Dr. Dharmpal Singh

Associate Professor, Department of Computer Science Engineering, JIS College of Engineering, Kalyani (West Bengal), India.

Dr. Farshad Zahedi

Associate Professor, Department of Mechanical Engineering, University of Texas at Arlington, Tehran, Iran.

Dr. Atishey Mittal

Associate Professor, Department of Mechanical Engineering, SRM University, NCR Campus Meerut Delhi Road Modinagar (Aligarh), India.

Dr. Hussein Togun

Associate Professor, Department of Mechanical Engineering, University of Thiqr, Iraq.

Dr. Shrikaant Kulkarni

Associate Professor, Department of Senior Faculty Vishwakarma Institute of Technology, Pune (M.S.), India.

Dr. Mukesh Negi

Project Manager, Department of Computer Science & IT, Mukesh Negi, Project Manager, Noida (U.P), India.

Dr. Sachin Madhavrao Kanawade

Associate Professor, Department Chemical Engineering, Pravara Rural Education Society's, Sir Visvesvaraya Institute of Technology, Nashik (Maharashtra), India.

Dr. Ganesh S Sable

Professor, Department of Electronics and Telecommunication, Maharashtra Institute of Technology Satara Parisar, Aurangabad (Maharashtra), India.

Dr. T.V. Rajini Kanth

Professor, Department of Computer Science Engineering, Sreenidhi Institute of Science and Technology, Hyderabad (Telangana), India.

Dr. Anuj Kumar Gupta

Associate Professor, Department of Computer Science & Engineering, RIMT Institute of Engineering & Technology, Godindgarh (Punjab), India.

Dr. Hasan Ashrafi- Rizi

Associate Professor, Medical Library and Information Science Department of Health Information Technology Research Center, Isfahan University of Medical Sciences, Isfahan, Iran.

Dr. Golam Kibria

Associate Professor, Department of Mechanical Engineering, Aliah University, Kolkata (West Bengal), India.

Dr. Mohammad Jannati

Professor, Department of Energy Conversion, UTM-PROTON Future Drive Laboratory, Faculty of Electrical Engineering, University of Technology, Malaysia.

Dr. Mohammed Saber Mohammed Gad

Professor, Department of Mechanical Engineering, National Research Center, Cairo, Egypt.

Dr. V. Balaji

Professor, Department of Electronics and Electrical Engineering, Sapthagiri College of Engineering Periyannahalli, (Taluk) Dharmapuri.

Dr. Naveen Beri

Associate Professor, Department of Mechanical Engineering, BEANT College of Engineering & Technology, Gurdaspur (Punjab), India.

Dr. Abdel-Baset H. Mekky

Associate Professor, Department of Physics, Buraydah Colleges Al Qassim / Saudi Arabia.

Dr. T. Abdul Razak

Associate Professor, Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli (Tamil Nadu), India.

Dr. Preeti Singh Bahadur

Associate Professor, Department of Applied Physics Amity University, Greater Noida (U.P.) India.

Dr. Ramadan Elaieess

Associate Professor, Department of Information Studies, Faculty of Arts University of Benghazi, Libya.

Dr. R. Emmaniel

Professor & Head, Department of Business Administration St. Ann's College of Engineering and Technology, Chirala (A.P), India.

Dr. C. Phani Ramesh

Director cum Associate Professor, Department of Computer Science Engineering, PRIST University, Manamai (Tamil Nadu), India.

Dr. Rachna Goswami

Associate Professor, Department of Faculty in Bio-Science, Rajiv Gandhi University of Knowledge Technologies (RGUKT) Krishna (Andhra Pradesh), India.

Dr. Sudhakar Singh

Associate Professor & Head, Department of Physics and Computer Science, Sardar Patel College of Technology, Balaghat (M.P.), India.

Dr. Xiaolin Qin

Associate Professor & Assistant Director of Laboratory for Automated Reasoning and Programming, Chengdu Institute of Computer

Applications, Chinese Academy of Sciences, China.

Dr. Maddila Lakshmi Chaitanya

Associate Professor, Department of Mechanical, Pragati Engineering College, Godavari (A.P.), India.

Dr. Jyoti Anand

Assistant Professor, Department of Mathematics, Dronacharya College of Engineering, Gurgaon (Haryana), India.

Dr. Nasser Fegh-hi Farahmand

Associate Professor, Department of Industrial Management, College of Management, Economy and Accounting, Tabriz Branch, Islamic Azad University, Tabriz, Iran

Dr. Ravindra Jilte

Assistant Professor & Head, Department of Mechanical Engineering, Vidyavardhini College of Engineering and Technology, University of Mumbai, Vasai (Maharashtra), India.

Dr. Sarita Gajbhiye Meshram

Research Scholar, Department of Water Resources, Development & Management Indian Institute of Technology, Roorkee (Uttarakhand), India.

Dr. G. Komarasamy

Associate Professor, Senior Grade, Department of Computer Science & Engineering, Bannari Amman Institute of Technology, Sathyamangalam (Tamil Nadu), India.

Dr. P. Raman

Professor, Department of Management Studies, Panimalar Engineering College, Chennai (Tamil Nadu) India.

Dr. M. Anto Bennet

Professor, Department of Electronics & Communication Engineering, Vel-Tech Engineering College, Chennai (Tamil Nadu), India.

Dr. P. Keerthika

Associate Professor, Department of Computer Science & Engineering, Kongu Engineering College, Perundurai (Tamil Nadu), India.

Dr. Santosh Kumar Behera

Associate Professor, Department of Education, Sidho-Kanho-Birsha University, Purulia (West Bengal), India.

Dr. P. Suresh

Associate Professor, Department of Information Technology, Kongu Engineering College Perundurai (Tamil Nadu), India.

Dr. Santosh Shivajirao Lomte

Associate Professor, Department of Computer Science and Information Technology, Radhai Mahavidyalaya, Aurangabad Gymkhana, (Maharashtra), India.

Dr. Altaf Ali Siyal

Professor, Department of Land and Water Management, Sindh Agriculture University Tandojam, Pakistan.

Dr. Mohammad Valipour

Associate Professor, Sari Agricultural Sciences and Natural Resources University, Sari, Iran.

Dr. Prakash H. Patil

Vice Principal and Professor, Department of Electronics and Tele-Communication Engineering, Dr. D.Y. Patil College of Engineering, Pune (Maharashtra), India.

Dr. Smolarek Malgorzata

Associate Professor, Department of Institute of Management and Economics, High School of Humanitas in Sosnowiec, Wyższa Szkoła Humanitas Instytut Zarządzania i Ekonomii ul. Kilińskiego Sosnowiec Poland.

Dr. Umakant Vyankatesh Kongre

Associate Professor, Department of Mechanical Engineering, Jawaharlal Darda Institute of Engineering and Technology, Yavatmal (Maharashtra), India.

Dr. Niranjana S

Associate Professor, Department of Biomedical Engineering, Manipal Institute of Technology (MIT) Manipal University, Manipal (Karnataka), India

Dr. Naseema Khatoon

Associate Professor, Department of Chemistry, Integral University Lucknow (U.P), India.

Dr. P. Samuel

Associate Professor, Department of English, KSR College of Engineering Tiruchengode, Namakkal (Tamil Nadu), India.

Dr. Mohammad Sajid

Associate Professor, Department of Mathematics, College of Engineering Qassim University Buraidah, Al-Qassim Saudi Arabia.

Dr. Sanjay Pachauri

Associate Professor, Department of Computer Science & Engineering, IMS Unison University Makkawala Greens Dehradun (UK). India.

Dr. S. Kishore Reddy

Professor, Department of School of Electrical & Computer Engineering, Adama Science & Technology University, Adama, Ethiopia.

Dr. Muthukumar Subramanyam

Professor, Department of Computer Science & Engineering, National Institute of Technology, Puducherry, India

Dr. Latika Kharb

Associate Professor, Faculty of Information Technology, Jagan Institute of Management Studies (JIMS), Rohini (Delhi), India.

Dr. Kusum Yadav

Associate Professor, Department of Information Systems, College of Computer Engineering & Science Salman bin Abdulaziz University, Saudi Arabia.

Dr. Preeti Gera

Associate Professor, Department of Computer Science & Engineering, Savera Group of Institutions, Gurgaon (Haryana), India.

Dr. Ajeet Kumar

Associate Professor, Department of Chemistry and Biomolecular Science, Clarkson University, Clarkson Avenue, New York.

Dr. M. Jinnah S Mohamed

Associate Professor, Department of Mechanical Engineering, National College of Engineering, Tirunelveli (Tamil Nadu), India.

Dr. Mostafa Eslami

Assistant Professor, Department of Mathematics, University of Mazandaran Babolsar, Iran.

Dr. Akram Mohammad Hassan Elentably

Professor, Department of Economics of Maritime Transport, Faculty of Maritime Studies, King Abdulaziz University, Jeddah, Saudi Arabia.

Dr. Aarti Tolia

Faculty, Prahaldbhai Dalmia Lions College of Commerce & Economics, Mumbai (Maharashtra), India.

Dr. Ramachandra C G

Professor & Head, Department of Marine Engineering, Srinivas Institute of Technology, Mangalore (Karnataka), India.

Dr. G. Anandharaj

Associate Professor, Department of M.C.A, Ganadipathy Tulsi's Jain Engineering College, Vellore (Tamil Nadu), India.

Dr. Najmuddin Ahmad

Associate Professor, Department of Mathematics, Faculty of Applied Science, Integral University, Lucknow (U.P), India.

Dr. Kaikai Xu

Associate Professor, School of Microelectronics and Solid-State Electronics, State Key Laboratory of Electronic Thin Films and Integrated Devices, University of Electronic Science and Technology of China (UESTC), China.

Dr. V. V. Prathibha Bharathi

Associate Professor, Department of Mechanical Engineering, Malla Reddy College of Engineering, Maisammaguda (Telangana), India.

Dr. Smita Selot

Head & Professor, Department of Computer Applications, Shri Shankaracharya College of Engineering and Technology, Bhilai (Chhattisgarh), India.

Dr. S. Balamurugan

Director-Research & Development, Mindnotix Technologies, Coimbatore (Tamil Nadu), India.

Dr. Suresh D. Mane

Professor, Department of Mechanical Engineering, Shaikh College of Engineering & Technology, Belagavi (Karnataka), India.

Dr. Mohmaed Abdel Fattah Ashabrawy

Associate Professor, Reactors Department, Atomic Energy Authority, Egypt – IAM NOW Salman bin Abdulaziz University, Kingdom Saudi Arabia. (KSA)

Dr. Shiv Kumar Verma

Associate Professor, Department of Computer Science & Engineering, University Institute of Engineering Chandigarh University, Gharuan (Punjab), India.

Dr. Mohamed Abd El-Basset Matwalli

Associate Professor, Department of Operations Research & Decision Support System, Faculty of Computers and Informatics, Zagazig University, Egypt.

Dr. Vikas Maheshwari

Associate Professor, Department of Electrical Communication Engineering, Amity University, Gwalior (M.P), India.

Dr. Sudhakara A

Associate Professor, Department of Chemistry, Jain Institute of Technology, Davanagere (Karnataka), India.

Dr. Jammi Ashok

Associate Professor, Department of Electrical and Computer Engineering, Hawassa University, Hawassa, East Africa.

Dr. Mohamed Ashabrawy

Associate Professor, Department of Computer Science, Salman bin Abdulaziz University Kingdom, Saudi Arabia.

Dr. Omer Muhammad Ayoub

Associate Professor, Department of Computer Science, Affected Center Abdullah Sulayman, Al-Fayyaz, Jeddah, KSA Saudi Arabia.

Dr. M. Seenivasan

Associate Professor, Department of Mathematics, Annamalai University, Chidambaram (Tamil Nadu), India.

Dr. S.V.G.V.A. Prasad

Associate Professor, Department of Physics, Ideal College of Arts & Sciences, Kakinada (A.P), India.

Dr. S. Omkumar

Associate Professor, Department of Electronics and Communication Engineering, SCSVMV University, Enathur (Tamil Nadu), India.

Dr. Yousef FARHAOUI

Associate Professor, Department of Computer Science, Faculty of Sciences and Technic, Moulay Ismail University, Boutalamine, Errachidia, Morocco.

Dr. Gutta Sridevi

Associate Professor, Department of Computer Science & Engineering, K L University, Vaddeswaram, Guntur (DT) (A.P.), India.

Dr. Debmalya Bhattacharya

Associate Professor, Department of Electronics & Communication Engineering, University of Technology & Management, Bawri Mansion, Dhankheti (Meghalaya), India.

Dr. K. Harinadha Reddy

Professor, Department of Electrical and Electronics Engineering, L B R College of Engineering, Mylavaram, Krishna (Andhra Pradesh), India.

Dr. C. Gajendran

Associate Professor, Department of Civil Engineering, Karunya Nagar, Karunya University, Coimbatore (Tamil Nadu), India.

Dr. Dibya Prakash Rai

Assistant Professor, Department of Physics, College of Aizawl, Pachhunga University, Mizoram, India.

Dr. Sreenivasa Reddy

Associate Professor, Department of Chemistry, Sri Krishnadevaraya University, Anantapur (A.P.), India.

Dr. P. K. Dhal

Associate Professor, Department of Electrical and Electronics Engineering, Vel Tech Dr. RR & Dr. SR Technical University, Chennai (Tamil Nadu), India.

Dr. M. A. Ashabrawy

Associate Professor, Department of Computer Science, Atomic Energy Authority, Salman bin Abdulaziz University, Al Kharj Saudi Arabia.

Dr. K. Meenakshi Sundaram

Professor & Head, Department of Computer Science, Agnel Institute of Technology and Design, Assagao – Bardez, Goa. India.

Dr. Persis Voola

Associate Professor, Department of Computer Science and Engineering, Adikavi Nannaya University, Rajahmundry (Andhra Pradesh), India.

Dr. Abhijit Banerjee

Associate Professor, Department of Electronics and Instrumentation Engineering, Academy of Technology, Hooghly (West Bengal), India.

Dr. D. Amaranatha Reddy

Associate Professor, Department of Chemistry, Pusan National University, Busan, South Korea.

Dr. A. Heidari

Associate Professor, Department of Chemistry, Postdoctoral Research Fellow, California South University (CSU), Irvine, California, USA.

Dr. Ashwani Kumar Aggarwal

Assistant Professor, Department of Electrical and Instrumentation Engineering, Sant Longowal Institute of Engineering and Technology, Longowal (Punjab), India.

Dr. P. Srinivas

Assistant Professor, Department of Electrical Engineering, University College of Engineering Osmania University, Hyderabad (Telangana), India.

Dr. Sandeep Chettri

DST-SERB, Young Scientist, Department of Physics, Mizoram University, Tanhril, Aizawl (Mizoram), India.

Dr. Elsanosy M. Elamin

Assistant Professor, Department of Electrical and Electronic Engineering, University of Kordofan, Elobeid, (Sudan), North Africa.

Dr. Porag Kalita

Professor & Head, Department of Automobile Engineering, Jorhat (Assam), India.

Dr. T. A. Ashok Kumar

Associate Professor, Department of Computer Science, Christ University, Bengaluru (Karnataka), India.

Dr. Malini M Patil

Associate Professor, Department of Information Science and Engineering, JSS Academy of Technical Education, JSS Campus, Bangalore (Karnataka), India.

Dr. V. Selvan

Associate Professor, Department of Civil Engineering, Sri Ramakrishna Engineering College, Vattamalaipalayam, Coimbatore (Tamil Nadu), India.

Dr. Syed Umar

Associate Professor, Department of Computer Science and Engineering, Koneru Lakshmaiah University, Vaddeswaram (Andhra Pradesh), India.

Dr. Anand Kumar Singh

Associate Professor & HOD, Department of Computer Science & Engineering, Vikrant Institute of Technology & Management, Gwalior, (M.P). India.

Dr. Ajit Kumar Senapati

Associate Professor, Department of Mechanical Engineering, Gandhi Institute of Engineering & Technology Gunupur (Orissa), India.

Dr. Lakshmi Praveen Pogula

Assistant Professor, Department of Physics, Veer Surendra Sai University of Technology, Burla (Odisha), India.

Dr. A. Dinesh Kumar

Assistant Professor & Head, Department of Science & Humanities, Dhanalakshmi Srinivasan Engineering College, Perambalur (Tamil Nadu), India.

Dr. A. Sasi Kumar

Associate Professor, Department of Information Technology, Institution or Company, Vels University, Pallavaram, (Tamil Nadu), India.

Dr. B. N. Chandrashekar

Post Doctoral Scholar, Department of Material Science & Engineering, South University of Science and Technology of China, Shenzhen, China.

Dr. F. Ayca Cetinkaya

Assistant Professor, Department of Mathematics, Mersin University, Mersin, Yenişehir, Yenişehir, Turkey.

Dr. Pavan Agrawal

Associated Professor, Department of Mechanical Engineering, Vikrant Institute of Technology & Management, Gwalior (M.P), India.

Dr. Muhammad Hussein Noure Elahi

Associated Professor, Department of Educational Administration, Science and Research Branch, Islamic Azad University, Tehran. Iran.

Dr. Roozbeh Abedini Nassab

Research Assistant, Department of Mechanical Engineering and Materials Science, Duke University, Durham, North Carolina.

Dr. S. R. Boselin Prabhu

Assistant Professor, Department of Electrical Communication Engineering, SVS College of Engineering, Coimbatore (Tamil Nadu) India.

Dr. Y. Ashok Kumar Reddy

Research Professor, Department of Electrical Engineering, Korea Advanced Institute of Science and Technology, Daejeon, South Korea.

Dr. Ilknur Yesilce

Assistant Professor, Research Assistant, Department of Mathematics, Mersin University, Turkey.

Dr. Jingchao Zhang

Assistant Professor, Holland Computing Center, University of Nebraska-Lincoln, Lincoln.

Dr. Mohamed Abd El-Baset Matwalli

Assistant Professor, Department of Operations Research & Decision Support, Faculty of Computers and Informatics, Zagazig University, Egypt.

Dr. S. R. Boselin Prabhu

Assistant Professor, Department of Electrical Communication Engineering, SVS College of Engineering Coimbatore, Arasampalayam (Tamil Nadu). India.

Dr. Vikram Sharma

Associate Professor & Head, Department of Science and Humanities, RVS College of Engineering and Technology, Jamshedpur (Jharkhand), India.

Dr. Akshey Bhargava

Assistant Professor, Department of Civil Engineering, Global Institute of Engineering and Technology, Melvisharam (Tamil Nadu), India.

Dr. S. Rajkumar

Assistant Professor, Department of Mechanical and Electromechanical Engineering, Hawassa Institute of Technology, Hawassa University, Hawassa, Ethiopia.

Dr. A.V. Senthil Kumar

Professor, Department of Computer Applications, Hindusthan College of Arts and Science College, Coimbatore (Tamil Nadu), India.

Dr. K. Subramanyam

Associate Professor, Department of Physics, Sri Venkateswara University, Tirupati (Andhra Pradesh), India.

Dr. Said Elshahat Abdallah

Associate Professor, Department of Agricultural Engineering, Faculty of Agriculture Kafrelsheikh University, Kafr Elsheikh, Egypt.

Dr. R. Devi Priya

Associate Professor, Department of Information Technology, Kongu Engineering College, Erode (Tamil Nadu), India.

Dr. Abhinav Vidwans

Associate Professor, Department of Computer Science and Engineering, Vikrant Group of Institutions Campus, Morar, Gwalior (M.P.), India.

Dr. A. K. Priya

Associate Professor, Department of Civil Engineering, KPR Institute of Engineering and Technology, Arasur, Coimbatore (Tamil Nadu), India.

Dr. K Ashok Reddy

Associate Professor, Department of Mechanical Engineering, MLR Institute of Technology, Hyderabad (Telangana), India.

Dr. T. V. Surya Narayana

Assistant Professor, Department of Information Technology, Manipal University, SMUDDE, Gangtok (Sikkim), India.

Dr. Srinivasa Raju Rallabandi

Assistant Professor, Department of Mathematics, Gandhi Institute of Technology and Management, Hyderabad (Telangana), India.

Dr. Deepika Garg

Assistant Professor, Department of Applied Science, GD Goenka University, Gurgaon (Haryana), India.

Dr. Girish Madhukar Tere

Assistant Professor, Department of Computer Science, Thakur College of Science and Commerce, Affiliated to University of Mumbai, Mumbai (Maharashtra), India.

Dr. Sameh G.Salem

Associate Professor, Department of Electrical Engineering, Military Technical College, Cairo Governorate, Egypt.

Dr. Abhishek Singh

Associate Professor, Department of Mathematics, African Institute for Agrarian Studies, Amity University, Noida (U.P.), India.

Dr. Kompella Venkata Ramana

Associate Professor, Department of Computer Science and Systems Engineering, Engineering College, Andhra University, Visakhapatnam (A.P.), India.

Dr. Bala Siddulu Malga

Assistant Professor, Department of Mathematics, Gandhi Institute of Technology and Management, Visakhapatnam (Andhra Pradesh), India.

Dr. Meeravali Shaik

Professor, Department of Master of Business Administration, Rise Krishna Sai Prakasam Group of Institutions, Valluru, Ongole (A.P.), India.

Dr. Mohammad Valipour

Assistant Professor, Department of Water Sciences and Engineering, Payame Noor University, Tehran, Iran.

Dr. Arvind Kumar Drave

Associate Professor, Department of Mechanical Engineering, Indian Institute of Technology, Kanpur (Uttar Pradesh), India.

Dr. Krishna Banana

Assistant Professor, Department of Commerce and Business Administration, Acharya Nagajuna University Ongole Campus, Ongole Prakasam (Andhra Pradesh), India.

Dr. Christo Ananth

Associate Professor, Department of Electrical & Communication Engineering, Francis Xavier Engineering College, Tirunelveli (Tamil Nadu), India.

Dr. Dhananjaya Reddy

Assistant Professor, Department of Mathematics, Govt. Degree College, Puttur (Andhra Pradesh), India.

Dr. Gamal Abd El-Nasser Ahmed Mohamed Said

Department of Computer and Information Technology, Arab Academy for Science and Technology and Maritime Transport (AASTMT) Alexandria, Egypt.

Dr. Srijit Biswas

Professor, Department of Civil Engineering, Manav Rachna International University, Faridabad (Haryana), India.

Dr. K. Suresh Babu

Professor & HOD, Department of Computer Science & Engineering, RISE Krishna Sai Prakasam Group of Institutions, Ongole (Andhra Pradesh), India.

Dr. Giriraj Kumar Prajapati

Associate Professor, Department of Electronics and Communication Engineering, Sree Chaitanya Institute of Technological Sciences, Timmapur (Telangana), India.

Dr. Prasenjit Chatterjee

Associate Professor & Head, Department of Mechanical Engineering, MCKV Institute of Engineering, Howrah (West Bengal), India.

Dr. Mallavolu Malleswararao

Associate Professor & Head, Department of Electrical & Electronics Engineering, RISE Krishna Sai Prakasam Group of Institutions Ongole (Andhra Pradesh), India.

Dr. Deepali Sharma

Assistant Professor, Department of Radiation Oncology, School of Medicine, Tulane University, LA, USA.

Dr. Sadu Venkatesu

Associate Professor, Department of Mechanical Engineering, Sree Vidyanikethan Engineering College, Tirupati (Andhra Pradesh), India.

Dr. B. Krishna Kumar

Professor, Department of Electronics and Communication Engineering, Methodist College of Engineering and Technology, Hyderabad (Telangana), India.

Dr. M. Vasim Babu

Associate Professor, Department of Electronics and Communication Engineering, KKR & KSR Institute of Technology and Sciences (KITS) Vinjanampadu (Andhra Pradesh), India.

Dr. Froilan D. Mobo

Assistant Professor, Department of Computer and Social Sciences, Philippine Merchant Marine Academy, San Narciso (Zambales), Philippines.

Dr. Sujoy Kumar Jana

Associate Professor & Course Coordinator, Department of Surveying & Land Studies, The Papua New Guinea University of Technology, (Morobe Province), Papua New Guinea.

Dr. S. Vijayarani

Assistant Professor, Department of Computer Science, Bharathiar University, Coimbatore (Tamil Nadu), India.

Dr. G. Nagalakshmi

Professor, Department of Computer Science and Engineering, Siddhartha Institute of Science and Technology Puttur, Narayanavanam (Andhra Pradesh), India.

Dr. A. Mummoorthy

Associate Professor, Department of Computer Science and Engineering, Malla Reddy College of Engineering & Technology, Hyderabad (Telangana), India.

Dr. S. Ganesh Kumaran

Assistant Professor, Department of Electrical and Electronics Engineering, Arunai Engineering College and University, (Tamil Nadu) India.

Dr. S. Raja

Associate Professor cum Research and Development Coordinator, Department of Electronics and Communication Engineering, Sri Shakthi Institute of Engineering and Technology, Coimbatore (Tamil Nadu), India.

Dr. Javad Khamisabadi

Consultant & Representative of the Director, Department of Management, Islamic Azad University, Tehran, Iran.

Dr. Manoj Kumar U. Chopade

Assistant Professor, Department of Chemistry, Sant Dnyaneshwar Mahavidyalaya, Soegaon (Maharashtra), India.

Dr. K. Nirmal Raja

Professor, Department of Electronics and Communication Engineering, Mangalam College of Engineering, Kottayam (Kerala), India.

Dr. Valentin Romanovski

Associate Professor, Department of Industrial Ecology, Sverdlova STR, Belarus.

Dr. N. S. Mohan

Professor, Department of Mechanical and Manufacturing Engineering, Manipal Institute of Technology, Manipal University, Manipal (Karnataka), India.

Dr. Gyanesh Shrivastava

Associate Professor, Department of Information Technology, MATS University, Raipur (Chhattisgarh), India.

Dr. Swapnil B. Mohod

Assistant Professor, Department of Electrical Engineering, Prof. Ram Meghe College of Engineering & Management, Badnera, Amravati (Maharashtra), India.

Dr. Subramani Roychoudri

Professor, Department of Computer Science and Engineering, Usha Rama College of Engineering and Technology, Telaprolu (Andhra Pradesh), India.

Dr. KPNV Satyasree

Professor, Department of Computer Science and Engineering, Usha Rama College of Engineering and Technology, Telaprolu (Andhra Pradesh), India.

Dr. M. Anjan Kumar

Visiting Professor, Department of Computer Science, Sathavahana University, Karimnagar (Telangana), India.

Editor-In-Chief**Dr. Shiv Kumar**

Ph.D. (CSE), M.Tech. (IT, Honors), B.Tech. (IT), IEEE Member

Director, Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd., Bhopal(M.P.), India

Professor, Department of Computer Science & Engineering, Lakshmi Narain College of Technology-Excellence (LNCTE), Bhopal (M.P.), India

Associated Editor-In-Chief**Prof. (Dr.) Hamid Saremi**

Vice Chancellor of Islamic Azad University of Iran, Quchan Branch, Quchan-Iran

Dr. Venkat K. Krishnan

Post-Doctoral Research Associate, Electrical and Computer Engineering, 1121 Coover Hall, Iowa State University, Ames, Iowa, USA

Scientific Editors**Dr. CheeFai Tan**

Faculty of Mechanical Engineering, University Technical, Malaysia Melaka, Malaysia.

Dr. Moinuddin Sarker

Vice President of Research & Development, Head of Science Team, Natural State Research, Inc., 37 Brown House Road (2nd Floor) Stamford, USA.

Dr. Shanmugha Priya. Pon

Principal, Department of Commerce and Management, St. Joseph College of Management and Finance, Makambako, Tanzania, East Africa, Tanzania

Dr. Guoxiang Liu

Member of IEEE, University of North Dakota, Grand Froks, N.D., USA

Dr. Veronica Mc Gowan

Associate Professor, Department of Computer and Business Information Systems, Delaware Valley College, Doylestown, PA, Allman, China.

Dr. Mohd. Nazri Ismail

Professor, System and Networking Department, Jalan Sultan Ismail, Kaula Lumpur, Malaysia

Dr. Fadiya Samson Oluwaseun

Assistant Professor, Girne American University, as a Lecturer & International Admission Officer (African Region) Girne, Northern Cyprus, Turkey.

Dr. Kakoli Das

Principal Engineer, Globalfoundries, New York, USA

Dr. M. Madijagan

BITS Pilani, Dubai Campus, DIAC, Dubai, United Arab, UAE

Dr. Pavol Tanuska

Associate Professor, Department of Applied Informatics, Automation, and Mathematics, Trnava, Slovakia

Dr. Robert Brian Smith

International Development Assistance Consultant, Department of AEC Consultants Pty Ltd, AEC Consultants Pty Ltd, Macquarie Centre, North Ryde, New South Wales, Australia

Dr. Durgesh Mishra

Chairman, IEEE Computer Society Chapter Bombay Section, Chairman IEEE MP Subsection, Professor & Dean (R&D), Acropolis Institute of Technology, Indore (M.P.), India

Dr. Sandra De Iaco

Professor, Dip.to Di Scienze Dell'Economia-Sez. Matematico-Statistica, Italy

Executive Editors**Dr. Yu Qi**

Department of Computer Science, 30 Montgomery Street, Jersey, NJ, USA.

Dr. Vahid Nourani

Professor, Faculty of Civil Engineering, University of Tabriz, Iran.

Prof.(Dr.) Anuranjan Misra

Professor & Head, Department of Computer Science & Engineering and Information Technology, Noida International University, Noida (U.P.), India.

Dr. TOFAN Cezarina Adina

Associate Professor, Department of Sciences Engineering, Spiru Haret University, Arges, Romania.

Dr. Deepak Garg

Professor, Department of Computer Science and Engineering, Thapar University, Patiala (Punjab), India, Senior Member of IEEE, Secretary of IEEE Computer Society (Delhi Section), Life Member of Computer Society of India (CSI), Indian Society of Technical Education (ISTE), Indian Science Congress Association Kolkata.

Dr. Dinesh Varshney

Director of College Development Counseling, Devi Ahilya University, Indore (M.P.), Professor, School of Physics, Devi Ahilya University, Indore (M.P.), and Regional Director, Madhya Pradesh Bhoj (Open) University, Indore (M.P.), India

Dr. Saber Mohamed Abd-Allah

Associate Professor, Department of Biochemistry, Shanghai Institute of Biochemistry and Cell Biology, Shanghai, China.

Dr. Xiaoguang Yue

Associate Professor, Department of Computer and Information, Southwest Forestry University, Kunming (Yunnan), China.

Dr. Labib Francis Gergis Rofaiel

Associate Professor, Department of Digital Communications and Electronics, Misr Academy for Engineering and Technology, Mansoura, Egypt.

Dr. Ravindra Prakash Gupta

Principal, Maharishi Arvind College of Engineering and Research Center, Jaipur (Rajasthan), India.

Dr. Hugo A.F.A. Santos

ICES, Institute for Computational Engineering and Sciences, The University of Texas, Austin, USA.

Dr. D. S. R. Murthy

Professor, Department of Information Technology, Sree Nidhi Institute of Science and Technology Yamnampet, Hyderabad (A.P.), India.

Dr. P. Raviraj

Professor & Head, Department of Computer Science & Engineering, Kalaignar Karunanidhi Institute of Technology, Coimbatore (Tamil Nadu), India.

Dr. Kapil Kumar Bansal

Head (Research and Publication), SRM University, Gaziabad (U.P.), India.

Dr. T. C. Manjunath

Principal & Professor, HKBK College of Engineering, Nagawara, Bengaluru (Karnataka), India.

Dr. Kosta Yogeshwar Prasad

Director, Technical Campus, Marwadi Education Foundation's Group of Institutions Gauridad, Rajkot (Gujarat), India.

Dr. P. Dananjayan

Professor, Department of Electrical Communication Engineering, Pondicherry Engineering College, Pondicherry (Tamil Nadu), India.

Dr. Sunandan Bhunia

Associate Professor & Head, Department of Electronics & Communication Engineering, Haldia Institute of Technology, Haldia (Bengal), India.

Dr. Rajiv Srivastava

Director, Department of Computer Science & Engineering, Sagar Institute of Research & Technology, Bhopal (M.P.), India.

Dr. Chakunta Venkata Guru Rao

Professor, Department of Computer Science & Engineering, SR Engineering College, Warangal Urban (Telangana), India.

Dr. Anuranjan Misra

Professor, Department of Computer Science & Engineering, Bhagwant Institute of Technology, Ghaziabad (U.P.), India.

Dr. A. Sivaramakrishnan

Professor, Department of Computer Science, School of Computer Science and Technology, Karunya University Coimbatore (Tamil Nadu), India.

Dr. Maheshwar Shrestha

Assistant Professor, Department of Electrical Engineering & Computer Science, Outh Dakota State University Daktronics Engineering Hall, Brookings, USA.

Dr. Awatif Mohammed Ali Elsiddieg

Assistant Professor, Department of Mathematics, Faculty of Science and Humatarian Studies, Elnielain University, Khartoum Sudan, Saudi Arabia.

Dr. P. Rathnakumar

Professor & Head, Department of Mechanical Engineering, Navodaya Institute of Technology, Raichur (Karnataka), India.

Advisory Chair**Dr. Uma Shanker**

Professor & Head, Department of Mathematics, Chouksey Engineering College, Bilaspur (C.G.), India.

Dr. Rama Shanker

Professor & Head, Department of Statistics, Eritrea Institute of Technology, Asmara, Eritrea.

Dr. Vinita Kumari

Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd., India

Dr. Sadhana Vishwakarma

Associate Professor, Department of Chemistry, Technocrat Institute of Technology, Bhopal (M.P.), India.

Dr. Kamal Mehta

Associate Professor, Department of Computer Engineering, Institute of Technology, NIRMA University, Ahmedabad (Gujarat), India.

Dr. Suresh Babu Perli

Professor & Head, Department of Electrical and Electronic Engineering, Narasaraopeta Engineering College, Guntur (A.P.), India.

Dr. Binod Kumar

Associate Professor, School of Engineering and Computer Technology, Faculty of Integrative Sciences and Technology, Quest International University, Ipoh, Perak, Malaysia.

Dr. Chiladze George

Professor, Faculty of Law, Akhaltsikhe State University, Tbilisi University, Georgia.

Dr. Kavita Khare

Professor, Department of Electronics & Communication Engineering., MANIT, Bhopal (M.P.), India.

Dr. C. Saravanan

Associate Professor (System Manager) & Head, Computer Center, NIT, Durgapur (W.B), India.

Dr. S. Saravanan

Professor, Department of Electrical and Electronics Engineering, Muthayamal Engineering College, Resipuram (Tamilnadu), India.

Dr. Amit Kumar Garg

Professor & Head, Department of Electronics and Communication Engineering, Maharishi Markandeshwar University, Mullana Ambala (Haryana), India.

Dr. Kamal K Mehta

Associate Professor, Department of Computer Engineering, Institute of Technology, NIRMA University, Ahmedabad (Gujarat), India.

Dr. Sahab Singh

Associate Professor, Department of Management Studies, Dronacharya Group of Institutions, Greater Noida (U.P), India.

Dr. Umesh Kumar

Principal, Govt Women Poly, Ranchi (Jharkhand), India.

Dr. Jaswant Singh Bhomrah

Director, Department of Profit Oriented Technique, Navsari (Gujarat), India.

Technical Chair**Dr. Mohd. Husain**

Director. MG Institute of Management & Technology, Banthara, Lucknow (U.P.), India.

Dr. T. Jayanthi

Principal, Panimalar Institute of Technology, Chennai (TN), India.

Dr. Umesh A.S.

Director, Technocrats Institute of Technology & Science, Bhopal (M.P.), India.

Dr. B. Kanagasabapathi

Infosys Labs, Infosys Limited, Center for Advance Modeling and Simulation, Infosys Labs, Infosys Limited, Electronics City, Bangalore, India.

Dr. C.B. Gupta

Professor, Department of Mathematics, Birla Institute of Technology & Sciences, Pilani (Rajasthan), India.

Dr. Jaydeb Bhaumik

Associate Professor, Department of Electronics & Communication Engineering, Haldia Institute of Technology, Haldia (Bengal), India.

Dr. Rajesh Das

Associate Professor, School of Applied Sciences, Haldia Institute of Technology, Haldia (West Bengal), India.

Dr. Mrutyunjaya Panda

Professor & Head, Department of EEE, Gandhi Institute for Technological Development, Bhubaneswar, Odisha, India

Dr. Mohd. Nazri Ismail

Associate Professor, Department of System and Networking, University of Kuala (UniKL), Kuala Lumpur, Malaysia.

Dr. Haw Su Cheng

Faculty of Information Technology, Multimedia University (MMU), Jalan Multimedia (Cyberjaya), Malaysia.

Dr. Hossein Rajabalipour Cheshmehgaz

Department of Industrial Modeling and Computing, Faculty of Computer Science and Information Systems, Universiti Teknologi Malaysia (UTM) 81310, Skudai, Malaysia.

Dr. Sudhinder Singh Chowhan

Associate Professor, Institute of Management and Computer Science, NIMS University, Jaipur (Rajasthan), India.

Dr. Neeta Sharma

Professor & Head, Department of Communication Skills, Technocrat Institute of Technology, Bhopal (M.P.), India.

Dr. Ashish Rastogi

Associate Professor, Department of CS & IT, Guru Ghansi Das University, Bilaspur (C.G.), India.

Dr. Santosh Kumar Nanda

Professor, Department of Computer Science and Engineering, Eastern Academy of Science and Technology (EAST), Khurda (Orisa), India.

Dr. Hai Shanker Hota

Associate Professor, Department of CSIT, Guru Ghansi Das University, Bilaspur (C.G.), India.

Dr. Sunil Kumar Singla

Professor, Department of Electrical and Instrumentation Engineering, Thapar University, Patiala (Punjab), India.

Dr. A. K. Verma

Professor, Department of Computer Science and Engineering, Thapar University, Patiala (Punjab), India.

Dr. Mohd. Ali Hussain

Professor, Department of Computer Science and Engineering, Sri Sai Madhavi Institute of Science & Technology, Rajahmundry (A.P.), India.

Dr. Sunil Mishra

Associate Professor, Department of Communication Skills (English), Dronacharya College of Engineering, Farrukhnagar, Gurgaon (Haryana), India.

Dr. VS Giridhar Akula

Professor, Avanthi's Research & Technological Academy, Gunthapally, Hyderabad (Andhra Pradesh), India.

Dr. S. Satyanarayana

Associate Professor, Department of Computer Science and Engineering, KL University, Guntur (Andhra Pradesh), India.

Dr. Bhupendra Kumar Sharma

Associate Professor, Department of Mathematics, KL University, BITS Pilani (Rajasthan), India.

Dr. Praveen Agarwal

Associate Professor & Head, Department of Mathematics, Anand International College of Engineering, Jaipur (Rajasthan), India.

Dr. Manoj Kumar

Professor, Department of Mathematics, Rashtriya Kishan Post Graduate Degree, College, Shamli (U.P.), India.

Dr. Shaikh Abdul Hannan

Associate Professor, Department of Computer Science, Vivekanand Arts Sardar Dalipsing Arts and Science College, Aurangabad (Maharashtra), India.

Dr. K.M. Pandey

Professor, Department of Mechanical Engineering, National Institute of Technology, Silchar (Assam), India.

Dr. Biswajit Chakraborty

MECON Limited, Research and Development Division (A Govt. of India Enterprise), Ranchi (Jharkhand), India.

Dr. D. V. Ashoka

Professor & Head, Department of Information Science & Engineering, SJB Institute of Technology, Kengeri (Bangalore), India.

Dr. Sasidhar Babu Suvanam

Professor & Academic Coordinator, Department of Computer Science & Engineering, Sree Narayana Gurukulam College of Engineering, Kadayiuruppu (Kerala), India.

Dr. C. Venkatesh

Professor & Dean, Faculty of Engineering, EBET Group of Institutions, Kangayam, Erode, Caimbatore (Tamil Nadu), India.

Dr. Nilay Khare

Associate Professor & Head, Department of Computer Science, Maulana Azad National Institute of Technology, Bhopal (M.P.), India.

Dr. Yaduvir Singh

Associate Professor, Department of Computer Science & Engineering, Ideal Institute of Technology, Govindpuram Ghaziabad, Lucknow (U.P.), India

Dr. Angela Amphawan

Head of Optical Technology, School of Computing, Universiti Utara Malaysia (Kedah), Malaysia.

Dr. Ashwini Kumar Arya

Associate Professor, Department of Electronics & Communication Engineering, Faculty of Engineering and Technology, Graphic Era University, Dehradun (Uttarakhand), India.

Dr. Yash Pal Singh

Director, Department of Electronics & Communication Engineering, KLS Institute of Engineering & Technology, KLSIET, Chandok, Bijnor (U.P.), India.

Dr. Ashish Jain

Associate Professor, Department of Computer Science & Engineering, Accurate Institute of Management & Technology, Gr. Noida (U.P.), India.

Dr. Abhay Saxena

Associate Professor & Head, Department. of Computer Science, Dev Sanskriti University, Haridwar, Uttarakhand, India

Dr. Judy. M.V

Associate Professor & Head, Department of CS & IT, Amrita School of Arts and Sciences, Amrita Vishwa Vidyapeetham, Edapally, (Kerala), India.

Dr. Sangkyun Kim

Professor, Department of Industrial Engineering, Kangwon National University, Gangwondo, Korea.

Dr. Sanjay M. Gulhane

Professor, Department of Electronics & Telecommunication Engineering, Jawaharlal Darda Institute of Engineering & Technology, Yavatmal (Maharashtra), India.

Dr. K.K. Thyagarajan

Principal & Professor, Department of Informational Technology, RMK College of Engineering & Technology, Thiruyallur (Tamil Nadu), India.

Dr. P. Subashini

Associate Professor, Department of Computer Science, Coimbatore (Tamil Nadu), India.

Dr. G. Srinivasrao

Professor, Department of Mechanical Engineering, RVR & JC, College of Engineering, Chowdavaram, Guntur (Andhra Pradesh), India.

Dr. Rajesh Verma

Professor, Department of Computer Science & Engineering & Information Technology, Kurukshetra Institute of Technology & Management, Kurukshetra (Haryana), India.

Dr. Pawan Kumar Shukla

Associate Professor, Satya College of Engineering & Technology, Haryana, India.

Dr. U C Srivastava

Associate Professor, Department of Applied Physics, Amity Institute of Applied Sciences, Amity University, Noida (U.P), India.

Dr. Reena Dadhich

Professor & Head, Department of Computer Science and Informatics, MBS MArg, Near Kabir Circle, University of Kota (Rajasthan), India.

Dr. Aashis.S.Roy

Department of Materials Engineering, Indian Institute of Science, Bangalore (Karnataka), India.

Dr. Sudhir Nigam

Professor & Principal, Department of Civil Engineering, Lakshmi Narain College of Technology and Science, Bhopal, (M.P.), India.

Dr. S. Senthil Kumar

Doctorate, Department of Center for Advanced Image and Information Technology, Division of Computer Science and Engineering, Graduate School of Electronics and Information Engineering, Chon Buk National University Deok Jin-Dong, Jeonju, Chon Buk, 561-756, South Korea.

Dr. Gufran Ahmad Ansari

Associate Professor, Department of Information Technology, College of Computer, Qassim University, Al-Qassim, Kingdom of Saudi Arabia (KSA).

Dr. R.Navaneethakrishnan

Associate Professor, Department of MCA, Bharathiyar College of Engineering and Technology, Thiruvettakudy (Puducherry), India.

Dr. Hossein Rajabalipour Cheshmejjaz

Industrial Modeling and Computing Department, Faculty of Computer Science and Information Systems, University Teknologi Skudai, Malaysia.

Dr. Veronica McGowan

Associate Professor, Department of Computer and Business Information Systems, Delaware Valley College, Doylestown, PA, Allman China.

Dr. Sanjay Sharma

Associate Professor, Department of Mathematics, Bhilai Institute of Technology, Durg (Chhattisgarh), India.

Dr. Taghreed Hashim Al-Noor

Professor, Department of Chemistry, Ibn-Al-Haitham Education for Pure Science College, University of Baghdad, Iraq.

Dr. Madhumita Dash

Professor, Department of Electronics & Telecommunication, Orissa Engineering College, Bhubaneswar (Odisha), India.

Dr. Anita Sagadevan Ethiraj

Associate Professor, Department of Centre for Nanotechnology Research (CNR), School of Electronics Engineering (Sense), Vellore Institute of Technology (VIT) University, (Tamil Nadu), India.

Dr. Sibasis Acharya

Project Consultant, Department of Metallurgy & Mineral Processing, Midas Tech International, Jindalee (Queensland), Australia.

Dr. Neelam Ruhil

Professor, Department of Electronics & Computer Engineering, Dronacharya College of Engineering, Gurgaon (Haryana), India.

Dr. Faizullah Mahar

Professor, Department of Electrical Engineering, Balochistan University of Engineering and Technology, Pakistan.

Dr. K. Selvaraju

Head, PG & Research, Department of Physics, Kandaswami Kandars College (Govt. Aided), Namakkal (Tamil Nadu), India.

Dr. M. K. Bhanarkar

Associate Professor, Department of Electronics, Shivaji University, Kolhapur (Maharashtra), India.

Dr. Sanjay Hari Sawant

Professor, Department of Mechanical Engineering, Dr. J. J. Magdum College of Engineering, Jaysingpur (Maharashtra), India.

Dr. Arindam Ghosal

Professor, Department of Mechanical Engineering, Dronacharya Group of Institutions, Noida (U.P) India.

Dr. M. Chithirai Pon Selvan

Assistant Professor, Department of Mechanical Engineering, Amity University, Dubai, UAE.

Dr. S. Sambhu Prasad

Professor & Principal, Department of Mechanical Engineering, Pragati College of Engineering, Surampalem (Andhra Pradesh), India.

Dr. Muhammad Attique Khan Shahid

Professor of Physics & Chairman, Department of Physics, Advisor (SAAP) at Government Post Graduate College of Science, Faisalabad.

Dr. Kuldeep Pareta

Professor & Head, Department of Remote Sensing/GIS & NRM, New Delhi, India.

Dr. Th. Kiranbala Devi

Associate Professor, Department of Civil Engineering, Manipur Institute of Technology, Takyelpat (Manipur), India.

Dr. Nirmala Mungamuru

Associate Professor, Department of Computing, School of Engineering, Adama Science and Technology University, Ethiopia.

Dr. Srilalitha Girija Kumari Sagi

Associate Professor, Department of Management, Gandhi Institute of Technology and Management, Visakhapatnam (Andhra Pradesh) India.

Dr. Vishnu Narayan Mishra

Associate Professor, Department of Mathematics, Sardar Vallabhbhai National Institute of Technology, Ichchhanath Mahadev Dumas Road, Surat (Gujarat), India.

Dr. Sripada Rama Sree

Vice Principal, Associate Professor, Department of Computer Science and Engineering, Aditya Engineering College, Surampalem (Andhra Pradesh), India.

Dr. Rustom Mamlook

Associate Professor, Department of Electrical and Computer Engineering, Dhofar University, Salalah, Oman. Middle East.

Dr. Ramzi Raphael Ibraheem Al Barwari

Assistant Professor, Department of Mechanical Engineering, College of Engineering, Salahaddin University – Hawler (SUH) Erbil – Kurdistan, Erbil Iraq.

Dr. Kapil Chandra Agarwal

H.O.D. & Professor, Department of Applied Sciences & Humanities, Radha Govind Engineering College, U. P. Technical University, Jai Bheem Nagar, Meerut, (U.P). India.

Dr. Anil Kumar Tripathy

Associate Professor, Department of Environmental Science & Engineering, Ghanashyama Hemalata Institute of Technology and Management, Puri Odisha, India.

Dr. Hasan. A. M Al Dabbas

Chairperson, Vice Dean Faculty of Engineering, Department of Mechanical Engineering, Philadelphia University, Amman, Jordan.

Dr. Gabil Adilov

Professor, Department of Mathematics, Akdeniz University, Konyaalti/Antalya, Turkey.

Dr. Ch.V. Raghavendran

Professor, Department of Computer Science & Engineering, Ideal College of Arts and Sciences Kakinada (Andhra Pradesh), India.

Dr. Ikvinderpal Singh

Assistant Professor, Department of Computer Science & Applications, Trai Shatabdi Guru Gobind Khalsa College, Amritsar (Punjab), India.

Managing Chair**Mr. Jitendra Kumar Sen**

International Journal of Engineering and Advanced Technology (IJEAT)

Reviewer Chair**Dr. Saeed Balochian**

Associate Professor, Gonaabad Branch, Islamic Azad University, Gonabad, Iran.

Dr. Mongey Ram

Associate Professor, Department of Mathematics, Graphics Era University, Dehradun (Uttarakhand), India.

Dr. Arupratan Santra

Sr. Project Manager, Infosys Technologies Ltd, Hyderabad (A.P.), India.

Dr. Ashish Jolly

Dean, Department of Computer Applications, Guru Nanak Khalsa Institute & Management Studies, Yamuna Nagar (Haryana), India.

Dr. Israel Gonzalez Carrasco

Associate Professor, Department of Computer Science, Universidad Carlos III de Madrid, Leganes (Madrid), Spain.

Dr. Khushali Menaria

Associate Professor, Department of Bio-Informatics, Maulana Azad National Institute of Technology (MANIT), Bhopal (M.P.), India.

Dr. R. Sukumar

Professor, Sethu Institute of Technology, Pulloor, (Tamil Nadu), India.

Dr. Cherouat Abel

Professor, University of Technology, Troyes, France.

Dr. Rinkle Aggrawal

Associate Professor, Department of Computer Science and Engineering, Thapar University, Patiala (Punjab), India.

Dr. Parteek Bhatia

Associate Professor, Department of Computer Science & Engineering, Thapar University, Patiala (Punjab), India.

Dr. Manish Srivastava

Professor & Head, Department of Computer Science and Engineering, Guru Ghasidas Central University, Bilaspur (C.G.), India.

Dr. Pratosh Bansal

Associate Professor, Department of Information Technology, Institute of Engineering and Technology, Devi Ahilya Vishwavidyalaya, Indore (M.P.), India.

Dr. Pouya Derakhshan Barjoei

Associate Professor, Department of Electrical and Computer Engineering, Islamic Azad University, Naein Branch, Iran.

Dr. Subrata Bhowmik

Technical University of Denmark, Lyngby, Denmark.

Dr. Ashraf Hossain

Associate Professor, Department of Electronics & Communication Engineering, Aliah University, Kolkata (W.B), India.

Dr. A. Subramani

Professor, Department of MCA, K.S.R. College of Engineering, Tiruchengode (Tamil Nadu), India.

Dr. K. Ramesh Kumar

Associate Professor, Department of Information Technology, Hindustan University, Chennai (Tamil Nadu), India.

Dr. Jatinder Kumar R. Saini

Associate Professor & Head, Department of Computer Science, Sankalchand Patel College of Engineering, Visnagar (Gujrat), India.

Dr. Sanchayan Mukherjee

Associate Professor, Department of Mechanical Engineering, Kalyani Government Engineering College, Kalyani University, Kalyani (West Bengal), India.

Dr. Tapanendu Kamilya

Associate Professor, Department of Physics, Narajole Raj College, Narajole (West Bengal), India.

Dr. A. K. Malik

Associate Professor, Department of Mathematics, B K Birla Institute of Engineering & Technology, Pilani (Rajasthan), India.

Dr. P. Sandhya Joshi

Associate Professor, Department of Computer Science, Amrita Vishwa Vidayapeetham University, Mysore (Karnataka), India.

Dr. Jayashri Vajpai

Associate Professor, Department of Electrical Engineering, J.N.V. University, Jodhpur (Rajasthan), India.

Dr. Sam Emmanuel W R

Associate Professor, Department of Computer Science, Nesamony Memorial Christian College, Marthandam (TN), India.

Dr. Sanjay Babarao Warkad

Associate Professor, Department of Electrical Engineering, Priyadarshini College of Engineering, Nagpur (Maharashtra), India.

Dr. Ahmed Nabih Zaki Rashed

Associate Professor, Department of Electronics and Electrical Communication Engineering, Menoufia University, Menoufia, Egypt.

Dr. Deepali Virmani

Associate Professor, Department of Computer Science & Engineering, Bhagwan Parshuram Institute of Technology, GGSIPU, Rohini (Delhi), India.

Dr. M. Subba Rao

Professor, Department of Information Technology, Annamacharya Institute of Technology and Sciences, Kadapa (Andhra Pradesh), India.

Dr. K.V.L.N. Acharyulu

Professor, Faculty of Science, Department of Mathematics, Bapatla Engineering College, Bapatla (Andhra Pradesh), India.

Dr. Remisetti Rajeswara Rao

Professor & Haed, Department of Computer Science and Engineering, Mahatma Gandhi Institute of Technology, Gandipet (Hyderabad), India.

Dr. R.R. Mudholkar

Associate Professor, Department of Electronics, Shivaji University, Kodhapu (Maharashtra), India.

Dr. Rajesh Kumar U. Sambhe

Associate Professor & Head, Department of Mechanical Engineering Workshop, Jawaharlal Dard Institute of Engineering and Technology, Yavatmal (Maharashtra), India.

Dr. A. Indra

Senior General Manager, Department of Space, Control Centre and Computer Facilities, ISRO Telemetry, Tracking and Command Network, Bangalore (Karnataka), India.

Dr. M. Sasikumar

Professor, Department of Electronics and Electrical Engineering, Jeppiaar Engineering College, Chennai (Temil Nadu), India.

Dr. Syed Asfandyar Gilani

Research Associate at SCIT Lab, Lahore, Pakistan.

Dr. VPS Naidu

Scientist, MSDF Lab, CSIR-NAL, Bangalore (Karnataka), India.

Dr. Kamal K. Mandal

Associate Professor, Department of Power Engineering, Jadavpur University, Salt Lake Campus, Kolkata (West Bengal), India.

Dr. G. Sreedhar

Associate Professor, Department of Computer Science, Rashtriya Sanskrit Vidyapeetha (Deemed University), Tirupati, (A.P), India.

Dr. B. Muthukumar

Associate Professor, Department of Information Technology, Kathir College of Engineering, Neelambur, Coimbatore (Tamil Nadu), India.

Dr. V. Nagarajan

Professor & Head, Department of Electrical and Electronics Engineering, Sona College of Technology, Salem (Tamil Nadu), India.

Dr. R. Arulmozhiyal

Associate Professor, Department of Electronics and Communication Engineering, Adhiparasakthi College of Engineering, Villupuram (Tamil Nadu), India.

Dr. R. Harikumar

Professor, Department of Electronics and Communication Engineering, Bannari Amman Institute of Technology, Sathyamangalam (Tamil Nadu), India

Dr. Anand Kumar

Professor & Head, Department of MCA, M.S. Engineering College, Bangalore (Karnataka), India.

Dr. Mohamed Rahayem

School of Science and Technology, Karlavägen (Karlskoga), Sweden.

Dr. P.T.V. Bhuvaneshwari

Associate Professor, Department of Electronics Engineering, Madras Institute of Technology Anna University, Chennai (Tamil Nadu), India.

Dr. Mangey Ram

Associate Professor, Department of Mathematics, Graphic Era University, Dehradun (Uttarakhand), India.

Dr. Sarika Jain

Assistant Professor, Department of Computer Applications, National Institute of Technology, Kurukshetra (Haryana), India.

Dr. Adri Jovin J.J.

Associate Professor, Department of Computer Science & Engineering, Sri Narayana Guru Institute of Technology, Coimbatore (Tamil Nadu), India.

Dr. V. Kumar Chinnaiyan

Professor & Head, Department of Electrical and Electronics, Jansons Institute of Technology, Caimbatore (Tamil Nadu), India.

Dr. T. Pearson

Professor, Department of Electronics and Communication Engineering, SMK Fomra Institute of Technology, Anna Nagar (Chennai), India.

Dr. Indu Verma

Professor, Department of Physics, University of Lucknow (U.P.), India.

Dr. Pravin P Patil

Associate Professor, Department of Mechanical Engineering, Graphic Era University, Dehradun (Uttarakhand), India.

Dr. Surendra Yadav

Professor, Department of Computer Science and Engineering, Dreen Avenue, Jaipur (Rajasthan), India.

Dr. K. Sivakumar

Assoc. Professor, Department of Computer Applications, SNMV College of Arts & Science, Coimbatore (Tamil Nadu), India.

Dr. Lazar Stosic

College for Professional Studies Educators, Aleksinac, Serbia, Europe.

Dr. Ashu Gupta

Associate Professor, Department of Computer Applications, Apeejay Institute of Management Technical Campus, Jalandhar (Punjab), India.

Dr. T. Logeswari

Associate Professor, Department of MCA, Dr. N.G.P. Institute of Technology, Coimbatore (Tamil Nadu), India.

Dr. Nurul Fadly Habidin

Department of Management, Faculty of Management and Economics, Universiti Pendidikan Sultan Idris, Perak.

Dr. S. Manikandan

Dean, Department of Electronics and Communication Engineering, VKS College of Engineering and Technology, Karur (Tamil Nadu), India.

Dr. S. Sasikumar

Department of Electronics and Communication Engineering, Jayaram College of Engineering and Technology, Tiruchirappalli (Tamil Nadu), India.

Dr. Mojtaba Moradi

Associate Professor, Department of Statistics, Faculty of Mathematical Sciences, University of Guilan, Rasht, Iran.

Dr. Neeraj Kumar

Associate Professor, Department of Applied Sciences & Humanities, IIMT Engineering College, Meerut (U.P.), India.

Dr. T. V. Suryanarayana

Associate Professor, Department of ECM, K L University, Green Fields, Vaddeswaram, Guntur (A.P.), India.

Dr. Yaswanth Kumar Avulapati

Department of Computer Science, S.V.U. College of CM & CS, S.V. University, Tirupati (A.P.), India.

Dr. N Dinesh Kumar

Professor, Department of Electronics & Instrumentation, Vignan Institute of Technology and Science, Nalgonda (Telangana), India.

Dr. Deepshikha Bhargava

Associate Professor & Head, Department of Information Technology, Amity University, Jaipur (Rajasthan), India.

Dr. Dinesh Sharma

Associate Professor, Department of Electronics and Communication Engineering, DAV College of Engineering & Technology, Kanina (HR), India.

Dr. Aginam, Chukwurah Henry

Department of Civil Engineering/Structural Engineering, Nnamdi Azikiwe University, Awka, Anambra, Nigeria.

Dr. Messaouda AZZOUZI

Associate Professor, Department of Sciences and Technologies, Djelfa, Algeria.

Dr. Remica Aggarwal

Associate Professor, Department of Management, Birla Institute of Technology and Science, Pilani (Rajasthan), India.

Dr. Dinesh Chandra Jain

Associate Professor, Department of Computer Science & Engineering, Shri Vaishnav Institute of Technology and Science, Indore (M.P.), India.

Dr. Vu Truong Vu

Department of Civil Engineering, Ho Chi Minh City University of Transport, Faculty of Civil Engineering, Binh Thanh, Vietnam.

Dr. Muhammad Farhan

Department of Mathematical Models & Travel Demand Forecasting, Wasatch Front Regional Council, USA.

Dr. S. Sumathi

Professor, Department of Electrical and Electronics Engineering, Vinayaka Mission's Kirupananda Variyar Engineering College, Salem (Tamil Nadu), India.

Dr. G. Subramanya Nayak

Associate Professor, Department of Electronics & Communication Engineering, Manipal Institute of Technology, Manipal University, Manipal (Karnataka), India.

Dr. R. Balamurugan

Professor, Department of Electrical and Electronics Engineering, KSR College of Technology, Tiruchengode (Tamil Nadu), India.

Dr. Ganesh Kumar T

Department of Computer Science and Engineering, Manonmaniam Sundaranar University, Tirunelveli (Tamil Nadu), India.

Dr. K. Siva Rama Krishna

Associate Professor, Department of Civil Engineering, Gitam University, Visakhapatnam (Andhra Pradesh), India.

Dr. P. Sanjeevi Kumar

Associate Professor, Department of Electrical Engineering, Bharathi Street (Puducherry), India.

Dr. DALAH Mohamed

Professor, Department of Mathematics, Faculty of Sciences, University of Constantine, Algeria.

Dr. Shoukat Ali

Professor, Department of Mathematics, Govt. Engineering College Bikaner, Bikaner (Rajasthan), India.

Dr. Vijay K Chaudhari

Professor & Head, Department of Information Technology, Truba Institute of Engineering and Technology, Bhopal (M.P.), India.

Dr. Ricardo Rodriguez Jorge

Associate Professor, Technological University of Ciudad Juarez.

Dr. N. Venkatesan

Associate Professor, Department of IT, Bharathiyar College of Engineering and Technology, Thiruvettakudy (Puducherry), India.

Dr. Syed Umar

Associate Professor, Department of ECM, Koneru Lakshmaiah Education Foundation, Guntur (A.P.), India.

Dr. Manoranjan Pradhan

Professor, Department of Computer Science and Engineering, Gandhi Institute for Technological Advancement, Badaraghunathpur (Odisha), India.

Dr. H. S. Behera

Associate Professor, Department of Computer Science and Engineering, Veer Surendra Sai University of Technology, Burla, Sambalpur (Odisha), India.

Dr. Sunil Kumar

Associate Professor, Department of Mathematics, National Institute of Technology, Jharkhand, India.

Dr. Shrikant Tiwari

Associate Professor, Department of Computer Science & Engineering, Shri Shankaracharya Group of Institutions, Chattisgarh, India.

Dr. Ahmed AbdAllah Hassan

Associate Professor, Department of Computer Science and Information, Community College, Taibah University, Al Medina Al Munawara, Saud Arabia.

Dr. Vijay H Mankar

Associate Professor, Department of Electronics and Telecommunication, Govt. Poly Technique, Nagpur (Maharashtra), India.

Dr. Govindaraj Thangavel

Professor & Head, Department of Electronics and Electrical Engineering, Muthayammal Engineering College, Namakkal (Tamil Nadu), India.

Dr. Satish Kumar Peddapelli

Associate Professor, Department of Electrical Engineering, University College of Engineering, Osmania University, Hyderabad (Andhra Pradesh), India.

Dr. Kola Satya Narayana

Pragati Engineering College, East Godavari (Andhra Pradesh), India.

Dr. Pankaj Kumar Sharma

Associate Professor, Department of Electronics and Communication Engineering, Moradabad Institute of Technology, Moradabad (U.P.), India.

Dr. Shaikh Abdul Hannan

Associate Professor, Department of Computer Science, Vivekanand Arts Sardar Dalipsing Arts and Science College, Aurangabad (Maharashtra), India.

Dr. Om Prakash Singh

Associate Professor, School of Engineering, Indian Institute of Technology (IIT) Mandi, Mandi (Himachal Pradesh), India.

Dr. JatinderKumar R. Saini

Associate Professor & Head, Department of Computer Science, Sankalchand Patel College of Engineering, Mehsana (Gujrat), India.

Dr. G. R. Rameshkumar

Senior Lecturer, Department of Mechanical & Industrial Engineering, Caledonian College of Engineering, SEEB, Oman.

Dr. K.S. Zakiuddin

Dean Academics, Professor & Head, Department of Mechanical Engineering, Priyadarshini College of Engineering, Nagpur Maharashtra, India.

Dr. Kamal K Mandal

Associate Professor & Ex-Head, Department of Power Engineering, Jadavpur University, Salt Lake Campus, Kolkata (West Bengal), India.

Dr. Satyanarayana

Professor, Department of Biomedical Engineering, Director of Research, Orthopaedic Surgery, Wayne State University, Bioengineering Center, Michigan, USA.

Dr. Chitra Dhawale

Department of M.C.A , P. R. Patil Group of Educational Institutes, Amravati (Maharashtra), India.

Dr. Abdul Mutalib Leman

Associate Professor, Faculty of Mechanical and Manufacturing Engineering, University Tun Hussein Onn Malaysia, Malaysia.

Dr. Ashis Banerjee

400 Stone Break Extension, Malta, NY 12020, USA.

Dr. B. L Dhananjaya

Associate Professor, School of Chemical and Biotechnology (SCBT), SASTRA University, Thirumalaisamudram (Tamil Nadu), India.

Dr. S. Kishore Reddy

Associate Professor, Department of Electronics & Communication Engineering, Swarna Bharathi College of Engineering, Khammam (Andhra Pradesh), India.

Dr. Rajesh Singh

Head, Institute of Robotics Technology, University of Petroleum and Energy Studies, Dehradun (Uttarakhand), India.

Dr. Binay Kumar

Associate Professor, Department of Applied Science, Dronacharya College of Engineering, Gurgaon (Delhi), India.

Dr. V. Sekar

Professor, Department of Electronics and Electrical Engineering, Principal Dhanalakshmi Srinivasan Institute of Technology, Samayapuram (Tamil Nadu), India.

Dr. S. Prabu

Associate Professor, Department of Computing Science and Engineering, VIT University Vellore (Tamil Nadu), India.

Dr. Mohammad Israr

Principal, Department of Mechanical Engineering, Balaji Engineering College Junagadh (Gujarat) India.

Dr. A. Siva Kumar

Professor & Head, Department of Mechanical Engineering, MLR Institute of Technology, Dundigal (Hyderabad), India.

Dr. Joydip Sengupta

Assistant Professor & Head, Department of Electronic Science, Jogesh Chandra Chaudhuri College (Affiliated to University of Calcutta), Kolkata (West Bengal), India.

Dr. B. P. Ladgaonkar

Associate Professor & Head, Department of Electronics, Shankarrao Mohite Mahavidyalaya, Akhuj (Maharashtra), India.

Dr. E. Mohan

Professor & Head, Department of Computer Science and Engineering, Pallavan College of Engineering, Kanchipuram (Tamilnadu), India.

Dr. M. Shanmuga Priya

Associate Professor, Department of Biotechnology, MVJ College of Engineering, Bangalore (Karnataka), India.

Dr. Leena Jain

Associate Professor & Head, Department of Computer Applications, Global Institute of Management & Emerging Technologies, Amritsar (Punjab), India.

Dr. S.S.S.V Gopala Raju

Professor, Department of Civil Engineering, GITAM School of Technology, GITAM, University, Hyderabad (Andhra Pradesh), India.

Dr. Ani Grubisic

Department of Computer Science, Teslina 12, 21000 split, Croatia.

Dr. Ashish Paul

Associate Professor, Department of Basic Sciences (Mathematics), Assam Don Bosco University, Guwahati (Assam), India.

Dr. Sivakumar Durairaj

Professor, Department of Civil Engineering, Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Chennai (Tamil Nadu), India.

Dr. Rashmi Nigam

Associate Professor, Department of Applied Mathematics, University Institute of Technology RGPV, Bhopal, (M.P.), India.

Dr. Mu-Song Chen

Associate Professor, Department of Electrical Engineering, Da-Yeh University, Taiwan, China.

Dr. Ramesh S

Associate Professor, Department of Electronics & Communication Engineering, Dr. Ambedkar Institute of Technology, Bangalore (Karnataka), India.

Dr. Nor Hayati Abdul Hamid

Associate Professor, Department of Civil Engineering, University Teknologi Mara, Selangor, Malaysia.

Dr. C. Nagarajan

Professor & Head, Department of Electrical & Electronic Engineering, Muthayammal Engineering College, Rasipuram (Tamil Nadu), India.

Dr. Ilaria Cacciotti

Department of Industrial Engineering, University of Rome Tor Vergata Via del Politecnico, Rome-Italy.

Dr. V. Balaji

Principal Cum Professor, Department of Electronics and Electrical Engineering and E & I, Lord Ayyappa Institute of Engineering and Technology, Kanchipuram (Tamil Nadu), India.

Dr. G. Anjan Babu

Associate Professor, Department of Computer Science, S V University, Tirupati (Andhra Pradesh), India.

Dr. Damodar Reddy Edla

Associate Professor, Department of Computer Science & Engineering, National Institute of Technology, Farmagudi (Goa), India.

Dr. D. Arumuga Perumal

Professor, Department of Mechanical Engineering, Noorul Islam University, Kanyakumari (Tamil Nadu), India.

Dr. Roshdy A. AbdelRassoul

Professor, Department of Electronics and Communications Engineering, Arab Academy for Science and Technology, Abu-Qir, Alexandria, Egypt.

Dr. Aniruddha Bhattacharya

Associate Professor & Head, Department of Computer Science & Engineering, Amrita School of Engineering, Bangalore (Karnataka), India.

Dr. P. Venkateswara Rao

Professor, Department of Mechanical Engineering, Kakatiya Institute of Technology and Science, Warangal (Telangana), India.

Dr. V. Mahalakshmi M.L

Associate Professor & Head, Institute of Management Studies, Chennai CID Quarters, Mandaveli (Chennai), India.

Dr. Rajeshkumar U. Sambhe

Associate Professor & Head, Department of Mechanical, Jawaharlal Darda Institute of Engineering and Technology, Yavatmal (Maharashtra), India.

Dr. Ashok G. Matani

Associate Professor, Department Mechanical Engineering, Govt. College of Engineering, Vidarbha Mahavidyalaya, Amravati (Maharashtra), India.

Dr. Gamze OZ E L

Department Statistics, Faculty of Science, Hacettepe University Ankara, Turkey.

Dr. M V Ragahavendra

Associate Professor, Department Electronics & Communication, Adama Science & Technology University, Adama, Ethiopia.

Dr. A. Selvan

Associate Professor, Department Chemistry, Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Avadi (Tamil Nadu), India.

Dr. R. V. Krishnaiah

Professor & Head, Department of Computer Science & Engineering, DRK Institute of Science and Technology, Hyderabad (Telangana), India.

Dr. Jamshid Nazemi

Associate Professor, Department Industrial Engineering, Science & Research Branch, Azad University, Poonak (Tehran), Iran.

Dr. V. Shanmugaraju

Associate Professor & Head, Department Biotechnology, Dr. NGP Arts and Science College, Bangalore (Karnataka), India.

Dr. Soni Changlani

Professor, Department of Electronics & Communication, Lakshmi Narain College of Technology & Science, Bhopal (M.P.), India.

Dr. M. M. Manyuchi

Professor, Department Chemical and Process Systems Engineering, Lecturer-Harare Institute of Technology, Zimbabwe.

Dr. John Kaiser S. Calautit

Professor, Department Civil Engineering, School of Civil Engineering, University of Leeds, Leeds, United Kingdom.

Dr. Audai Hussein Al-Abbas

Deputy Head, Department AL-Musaib Technical College, Foundation of Technical Education, Babylon, Iraq.

Dr. Şeref Doğuşcan Akbaş

Professor, Department Civil Engineering, Şehit Muhtar Mah. Öğüt Sok. Beyoğlu Istanbul, Turkey.

Dr. H S Behera

Associate Professor, Department Computer Science & Engineering, Veer Surendra Sai University of Technology (VSSUT) A Unitary

Technical University Established by the Government of Odisha, India.

Dr. Rajeev Tiwari

Associate Professor, Department Computer Science & Engineering, University of Petroleum & Energy Studies (UPES), Bidholi (Uttarakhand), India.

Dr. Piyush Kumar Shukla

Associate Professor, Department of Computer Science and Engineering, University Institute of Technology, RGPV University, Bhopal (M.P.), India.

Dr. Piyush Lotia

Associate Professor, Department of Electronics and Instrumentation, Shankaracharya College of Engineering and Technology, Bhilai (C.G.), India.

Dr. Asha Rai

Associate Professor, Department of Communication Skills, Technocrat Institute of Technology, Bhopal (M.P.), India.

Dr. Vahid Nourani

Associate Professor, Department of Civil Engineering, University of Minnesota, USA.

Dr. Hung-Wei Wu

Associate Professor, Department of Computer and Communication, Kun Shan University, Taiwan.

Dr. Vuda Sreenivasarao

Associate Professor, Department of Computer and Information Technology, Defence University College, Debrezeit Ethiopia.

Dr. Sanjay Bhargava

Associate Professor, Department of Computer Science, Banasthali University, Jaipur (Rajasthan), India.

Dr. Sanjoy Deb

Associate Professor, Department of Electrical Communication Engineering, BIT Sathy, Sathyamangalam (Tamil Nadu), India.

Dr. Papita Das (Saha)

Associate Professor, Department of Biotechnology, National Institute of Technology, Durgapur (West Bengal), India.

Dr. Waail Mahmud Lafta Al-waely

Associate Professor, Department of Mechatronics Engineering, Al-Mustafa University College, AL-SAAKKRA Square, Baghdad-Iraq.

Dr. P. P. Satya Paul Kumar

Associate Professor, Department of Physical Education & Sports Sciences, University College of Physical Education & Sports Sciences, Guntur (Andhra Pradesh), India.

Dr. Sohrab Mirsaedi

Associate Professor, Department of Electrical Engineering, Universiti Teknologi Malaysia (UTM), Skudai (Johor), Malaysia.

Dr. Omed Ghareb Abdullah

Associate Professor, Department of Physics, School of Science, University of Sulaimani, Iraq.

Dr. Khaled Eskaf

Associate Professor, Department of Computer Engineering, College of Computing and Information Technology, Alexandria, Egypt.

Dr. Nitin W. Ingole

Associate Professor & Head, Department of Civil Engineering, Prof Ram Meghe Institute of Technology and Research, Badnera Amravati (Maharashtra), India.

Dr. P. K. Gupta

Associate Professor, Department of Computer Science and Engineering, Jaypee University of Information Technology, Solan (Himachal Pradesh), India.

Dr. P. Ganesh Kumar

Associate Professor, Department of Electronics & Communication, Sri Krishna College of Engineering and Technology, Linyi Top Network Co Ltd Linyi, China.

Dr. Santhosh K V

Associate Professor, Department of Instrumentation and Control Engineering, Manipal Institute of Technology, Manipal (Karnataka), India.

Dr. Subhendu Kumar Pani

Associate Professor, Department of Computer Science and Engineering, Orissa Engineering College, Bhubaneswar (Odisha), India.

Dr. Syed Asif Ali

Professor & Chairman, Department of Computer Science, SMI University, Karachi, Pakistan.

Dr. Vilas Warudkar

Associate Professor, Department of Mechanical Engineering, Maulana Azad National Institute of Technology, Bhopal (M.P.), India.

Dr. S. Chandra Mohan Reddy

Associate Professor & Head, Department of Electronics & Communication Engineering, JNTUA College of Engineering (Autonomous), Cuddapah (Andhra Pradesh), India.

Dr. V. Chittaranjan Das

Associate Professor, Department of Mechanical Engineering, R.V.R. & J.C. College of Engineering, Guntur (Andhra Pradesh), India.

Dr. Jamal Fathi Abu Hasna

Associate Professor, Department of Electrical & Electronics and Computer Engineering, Near East University, TRNC, Turkey.

Dr. S. Deivanayaki

Associate Professor, Department of Physics, Sri Ramakrishna Engineering College, Coimbatore (Tamil Nadu), India.

Dr. Nirvesh S. Mehta

Professor, Department of Mechanical Engineering, Sardar Vallabhbhai National Institute of Technology, Surat (Gujarat), India.

Dr. A.Vijaya Bhasakar Reddy

Associate Professor, Research Scientist, Department of Chemistry, Sri Venkateswara University, Tirupati (Andhra Pradesh), India.

Dr. C. Jaya Subba Reddy

Associate Professor, Department of Mathematics, Sri Venkateswara University, Tirupathi (Andhra Pradesh), India.

Dr. Balbir Singh

Associate Professor, Department of Health Studies, Human Development Area, Administrative Staff College of India, Bella Vista (Andhra Pradesh), India.

Dr. D. RAJU

Associate Professor, Department of Mathematics, Vidya Jyothi Institute of Technology (VJIT), Hyderabad (Telangana), India.

Dr. Salim Y. Amdani

Associate Professor & Head, Department of Computer Science Engineering, B. N. College of Engineering, Pusad (M.S.), India.

Dr. K. Kiran Kumar

Associate Professor, Department of Information Technology, Bapatla Engineering College, Bapatla (Andhra Pradesh), India.

Dr. Md. Abdullah Al Humayun

Associate Professor, Department of Electrical Systems Engineering, University Malaysia Perlis, Malaysia.

Dr. Vellore Vasu

Teaching Assistant, Department of Mathematics, S.V. University, Tirupati (Andhra Pradesh), India.

Dr. Naveen K. Mehta

Associate Professor & Head, Department of Communication Skills, Mahakal Institute of Technology, Ujjain (M.P.), India.

Dr. Gujar Anant Kumar Jotiram

Associate Professor, Department of Mechanical Engineering, Ashokrao Mane Group of Institutions, Vathar (Maharashtra), India.

Dr. Pratibhamoy Das

Scientist, Department of Mathematics, IMU Berlin Einstein Foundation Fellow Technical University of Berlin, Germany.

Dr. Messaouda AZZOUZI

Associate Professor, Department of Sciences & Technology, University of Djelfa, Algeria.

Dr. Vandana Swarnkar

Associate Professor, Department of Chemistry, Jiwaji University, Gwalior (M.P.), India.

Dr. Arvind K. Sharma

Associate Professor, Department of Computer Science Engineering, University of Kota, Kabir Circle (Rajasthan), India.

Dr. R. Balu

Associate Professor, Department of Computr Applications, Bharathiar University, Coimbatore (Tamil Nadu), India.

Dr. S. Suriyanarayanan

Associate Professor, Department of Water and Health, Jagadguru Sri Shivarathreeswara University, Mysuru (Karnataka), India.

Dr. Dinesh Kumar

Associate Professor, Department of Mathematics, Pratap University, Jaipur (Rajasthan), India.

Dr. Sandeep N

Associate Professor, Department of Mathematics, Vellore Institute of Technology, Vellore (Tamil Nadu), India.

Dr. Dharmpal Singh

Associate Professor, Department of Computer Science Engineering, JIS College of Engineering, Kalyani (West Bengal), India.

Dr. Farshad Zahedi

Associate Professor, Department of Mechanical Engineering, University of Texas at Arlington, Tehran, Iran.

Dr. Atishey Mittal

Associate Professor, Department of Mechanical Engineering, SRM University, NCR Campus Meerut Delhi Road Modinagar (Aligarh), India.

Dr. Hussein Togun

Associate Professor, Department of Mechanical Engineering, University of Thiqr, Iraq.

Dr. Shrikaant Kulkarni

Associate Professor, Department of Senior Faculty Vishwakarma Institute of Technology, Pune (M.S.), India.

Dr. Mukesh Negi

Project Manager, Department of Computer Science & IT, Mukesh Negi, Project Manager, Noida (U.P), India.

Dr. Sachin Madhavrao Kanawade

Associate Professor, Department Chemical Engineering, Pravara Rural Education Society's, Sir Visvesvaraya Institute of Technology, Nashik (Maharashtra), India.

Dr. Ganesh S Sable

Professor, Department of Electronics and Telecommunication, Maharashtra Institute of Technology Satara Parisar, Aurangabad (Maharashtra), India.

Dr. T.V. Rajini Kanth

Professor, Department of Computer Science Engineering, Sreenidhi Institute of Science and Technology, Hyderabad (Telangana), India.

Dr. Anuj Kumar Gupta

Associate Professor, Department of Computer Science & Engineering, RIMT Institute of Engineering & Technology, Godindgarh (Punjab), India.

Dr. Hasan Ashrafi- Rizi

Associate Professor, Medical Library and Information Science Department of Health Information Technology Research Center, Isfahan University of Medical Sciences, Isfahan, Iran.

Dr. Golam Kibria

Associate Professor, Department of Mechanical Engineering, Aliah University, Kolkata (West Bengal), India.

Dr. Mohammad Jannati

Professor, Department of Energy Conversion, UTM-PROTON Future Drive Laboratory, Faculty of Electrical Engineering, University of Technology, Malaysia.

Dr. Mohammed Saber Mohammed Gad

Professor, Department of Mechanical Engineering, National Research Center, Cairo, Egypt.

Dr. V. Balaji

Professor, Department of Electronics and Electrical Engineering, Sapthagiri College of Engineering Periyannahalli, (Taluk) Dharmapuri.

Dr. Naveen Beri

Associate Professor, Department of Mechanical Engineering, BEANT College of Engineering & Technology, Gurdaspur (Punjab), India.

Dr. Abdel-Baset H. Mekky

Associate Professor, Department of Physics, Buraydah Colleges Al Qassim / Saudi Arabia.

Dr. T. Abdul Razak

Associate Professor, Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli (Tamil Nadu), India.

Dr. Preeti Singh Bahadur

Associate Professor, Department of Applied Physics Amity University, Greater Noida (U.P.) India.

Dr. Ramadan Elaieess

Associate Professor, Department of Information Studies, Faculty of Arts University of Benghazi, Libya.

Dr. R. Emmaniel

Professor & Head, Department of Business Administration St. Ann's College of Engineering and Technology, Chirala (A.P), India.

Dr. C. Phani Ramesh

Director cum Associate Professor, Department of Computer Science Engineering, PRIST University, Manamai (Tamil Nadu), India.

Dr. Rachna Goswami

Associate Professor, Department of Faculty in Bio-Science, Rajiv Gandhi University of Knowledge Technologies (RGUKT) Krishna (Andhra Pradesh), India.

Dr. Sudhakar Singh

Associate Professor & Head, Department of Physics and Computer Science, Sardar Patel College of Technology, Balaghat (M.P.), India.

Dr. Xiaolin Qin

Associate Professor & Assistant Director of Laboratory for Automated Reasoning and Programming, Chengdu Institute of Computer Applications, Chinese Academy of Sciences, China.

Dr. Maddila Lakshmi Chaitanya

Associate Professor, Department of Mechanical, Pragati Engineering College, Godavari (A.P.), India.

Dr. Jyoti Anand

Assistant Professor, Department of Mathematics, Dronacharya College of Engineering, Gurgaon (Haryana), India.

Dr. Nasser Fegh-hi Farahmand

Associate Professor, Department of Industrial Management, College of Management, Economy and Accounting, Tabriz Branch, Islamic Azad University, Tabriz, Iran

Dr. Ravindra Jilte

Assistant Professor & Head, Department of Mechanical Engineering, Vidyavardhini College of Engineering and Technology, University of Mumbai, Vasai (Maharashtra), India.

Dr. Sarita Gajbhiye Meshram

Research Scholar, Department of Water Resources, Development & Management Indian Institute of Technology, Roorkee (Uttarakhand), India.

Dr. G. Komarasamy

Associate Professor, Senior Grade, Department of Computer Science & Engineering, Bannari Amman Institute of Technology, Sathyamangalam (Tamil Nadu), India.

Dr. P. Raman

Professor, Department of Management Studies, Panimalar Engineering College, Chennai (Tamil Nadu) India.

Dr. M. Anto Bennet

Professor, Department of Electronics & Communication Engineering, Vel-Tech Engineering College, Chennai (Tamil Nadu), India.

Dr. P. Keerthika

Associate Professor, Department of Computer Science & Engineering, Kongu Engineering College, Perundurai (Tamil Nadu), India.

Dr. Santosh Kumar Behera

Associate Professor, Department of Education, Sidho-Kanho-Birsha University, Purulia (West Bengal), India.

Dr. P. Suresh

Associate Professor, Department of Information Technology, Kongu Engineering College Perundurai (Tamil Nadu), India.

Dr. Santosh Shivajirao Lomte

Associate Professor, Department of Computer Science and Information Technology, Radhai Mahavidyalaya, Aurangabad Gymkhana, (Maharashtra), India.

Dr. Altaf Ali Siyal

Professor, Department of Land and Water Management, Sindh Agriculture University Tandojam, Pakistan.

Dr. Mohammad Valipour

Associate Professor, Sari Agricultural Sciences and Natural Resources University, Sari, Iran.

Dr. Prakash H. Patil

Vice Principal and Professor, Department of Electronics and Tele-Communication Engineering, Dr. D.Y. Patil College of Engineering, Pune (Maharashtra), India.

Dr. Smolarek Malgorzata

Associate Professor, Department of Institute of Management and Economics, High School of Humanitas in Sosnowiec, Wyższa Szkoła Humanitas Instytut Zarządzania i Ekonomii ul. Kilińskiego Sosnowiec Poland.

Dr. Umakant Vyankatesh Kongre

Associate Professor, Department of Mechanical Engineering, Jawaharlal Darda Institute of Engineering and Technology, Yavatmal (Maharashtra), India.

Dr. Niranjana S

Associate Professor, Department of Biomedical Engineering, Manipal Institute of Technology (MIT) Manipal University, Manipal (Karnataka), India

Dr. Naseema Khatoon

Associate Professor, Department of Chemistry, Integral University Lucknow (U.P), India.

Dr. P. Samuel

Associate Professor, Department of English, KSR College of Engineering Tiruchengode, Namakkal (Tamil Nadu), India.

Dr. Mohammad Sajid

Associate Professor, Department of Mathematics, College of Engineering Qassim University Buraidah, Al-Qassim Saudi Arabia.

Dr. Sanjay Pachauri

Associate Professor, Department of Computer Science & Engineering, IMS Unison University Makkawala Greens Dehradun (UK). India.

Dr. S. Kishore Reddy

Professor, Department of School of Electrical & Computer Engineering, Adama Science & Technology University, Adama, Ethiopia.

Dr. Muthukumar Subramanyam

Professor, Department of Computer Science & Engineering, National Institute of Technology, Puducherry, India

Dr. Latika Kharb

Associate Professor, Faculty of Information Technology, Jagan Institute of Management Studies (JIMS), Rohini (Delhi), India.

Dr. Kusum Yadav

Associate Professor, Department of Information Systems, College of Computer Engineering & Science Salman bin Abdulaziz University, Saudi Arabia.

Dr. Preeti Gera

Associate Professor, Department of Computer Science & Engineering, Savera Group of Institutions, Gurgaon (Haryana), India.

Dr. Ajeet Kumar

Associate Professor, Department of Chemistry and Biomolecular Science, Clarkson University, Clarkson Avenue, New York.

Dr. M. Jinnah S Mohamed

Associate Professor, Department of Mechanical Engineering, National College of Engineering, Tirunelveli (Tamil Nadu), India.

Dr. Mostafa Eslami

Assistant Professor, Department of Mathematics, University of Mazandaran Babolsar, Iran.

Dr. Akram Mohammad Hassan Elentably

Professor, Department of Economics of Maritime Transport, Faculty of Maritime Studies, King Abdulaziz University, Jeddah, Saudi Arabia.

Dr. Aarti Tolia

Faculty, Prahaldbhai Dalmia Lions College of Commerce & Economics, Mumbai (Maharashtra), India.

Dr. Ramachandra C G

Professor & Head, Department of Marine Engineering, Srinivas Institute of Technology, Mangalore (Karnataka), India.

Dr. G. Anandharaj

Associate Professor, Department of M.C.A, Ganadipathy Tulsi's Jain Engineering College, Vellore (Tamil Nadu), India.

Dr. Najmuddin Ahmad

Associate Professor, Department of Mathematics, Faculty of Applied Science, Integral University, Lucknow (U.P), India.

Dr. Kaikai Xu

Associate Professor, School of Microelectronics and Solid-State Electronics, State Key Laboratory of Electronic Thin Films and Integrated Devices, University of Electronic Science and Technology of China (UESTC), China.

Dr. V. V. Prathibha Bharathi

Associate Professor, Department of Mechanical Engineering, Malla Reddy College of Engineering, Maisammaguda (Telangana), India.

Dr. Smita Selot

Head & Professor, Department of Computer Applications, Shri Shankaracharya College of Engineering and Technology, Bhilai (Chhattisgarh), India.

Dr. S. Balamurugan

Director-Research & Development, Mindnotix Technologies, Coimbatore (Tamil Nadu), India.

Dr. Suresh D. Mane

Professor, Department of Mechanical Engineering, Shaikh College of Engineering & Technology, Belagavi (Karnataka), India.

Dr. Mohmaed Abdel Fattah Ashabrawy

Associate Professor, Reactors Department, Atomic Energy Authority, Egypt – IAM NOW Salman bin Abdulaziz University, Kingdom Saudi Arabia. (KSA)

Dr. Shiv Kumar Verma

Associate Professor, Department of Computer Science & Engineering, University Institute of Engineering Chandigarh University, Gharuan (Punjab), India.

Dr. Mohamed Abd El-Basset Matwalli

Associate Professor, Department of Operations Research & Decision Support System, Faculty of Computers and Informatics, Zagazig University, Egypt.

Dr. Vikas Maheshwari

Associate Professor, Department of Electrical Communication Engineering, Amity University, Gwalior (M.P), India.

Dr. Sudhakara A

Associate Professor, Department of Chemistry, Jain Institute of Technology, Davanagere (Karnataka), India.

Dr. Jammi Ashok

Associate Professor, Department of Electrical and Computer Engineering, Hawassa University, Hawassa, East Africa.

Dr. Mohamed Ashabrawy

Associate Professor, Department of Computer Science, Salman bin Abdulaziz University Kingdom, Saudi Arabia.

Dr. Omer Muhammad Ayoub

Associate Professor, Department of Computer Science, Affected Center Abdullah Sulayman, Al-Fayyaz, Jeddah, KSA Saudi Arabia.

Dr. M. Seenivasan

Associate Professor, Department of Mathematics, Annamalai University, Chidambaram (Tamil Nadu), India.

Dr. S.V.G.V.A. Prasad

Associate Professor, Department of Physics, Ideal College of Arts & Sciences, Kakinada (A.P), India.

Dr. S. Omkumar

Associate Professor, Department of Electronics and Communication Engineering, SCSVMV University, Enathur (Tamil Nadu), India.

Dr. Yousef FARHAOUI

Associate Professor, Department of Computer Science, Faculty of Sciences and Technic, Moulay Ismail University, Boutalamine, Errachidia, Morocco.

Dr. Gutta Sridevi

Associate Professor, Department of Computer Science & Engineering, K L University, Vaddeswaram, Guntur (DT) (A.P.), India.

Dr. Debmalya Bhattacharya

Associate Professor, Department of Electronics & Communication Engineering, University of Technology & Management, Bawri Mansion, Dhankheti (Meghalaya), India.

Dr. K. Harinadha Reddy

Professor, Department of Electrical and Electronics Engineering, L B R College of Engineering, Mylavaram, Krishna (Andhra Pradesh), India.

Dr. C. Gajendran

Associate Professor, Department of Civil Engineering, Karunya Nagar, Karunya University, Coimbatore (Tamil Nadu), India.

Dr. Dibya Prakash Rai

Assistant Professor, Department of Physics, College of Aizawl, Pachhunga University, Mizoram, India.

Dr. Sreenivasa Reddy

Associate Professor, Department of Chemistry, Sri Krishnadevaraya University, Anantapur (A.P.), India.

Dr. P. K. Dhal

Associate Professor, Department of Electrical and Electronics Engineering, Vel Tech Dr. RR & Dr. SR Technical University, Chennai (Tamil Nadu), India.

Dr. M. A. Ashabrawy

Associate Professor, Department of Computer Science, Atomic Energy Authority, Salman bin Abdulaziz University, Al Kharj Saudi Arabia.

Dr. K. Meenakshi Sundaram

Professor & Head, Department of Computer Science, Agnel Institute of Technology and Design, Assagao – Bardez, Goa. India.

Dr. Persis Voola

Associate Professor, Department of Computer Science and Engineering, Adikavi Nannaya University, Rajahmundry (Andhra Pradesh), India.

Dr. Abhijit Banerjee

Associate Professor, Department of Electronics and Instrumentation Engineering, Academy of Technology, Hooghly (West Bengal), India.

Dr. D. Amaranatha Reddy

Associate Professor, Department of Chemistry, Pusan National University, Busan, South Korea.

Dr. A. Heidari

Associate Professor, Department of Chemistry, Postdoctoral Research Fellow, California South University (CSU), Irvine, California, USA.

Dr. Ashwani Kumar Aggarwal

Assistant Professor, Department of Electrical and Instrumentation Engineering, Sant Longowal Institute of Engineering and Technology, Longowal (Punjab), India.

Dr. P. Srinivas

Assistant Professor, Department of Electrical Engineering, University College of Engineering Osmania University, Hyderabad (Telangana), India.

Dr. Sandeep Chettri

DST-SERB, Young Scientist, Department of Physics, Mizoram University, Tanhril, Aizawl (Mizoram), India.

Dr. Elsanosy M. Elamin

Assistant Professor, Department of Electrical and Electronic Engineering, University of Kordofan, Elobeid, (Sudan), North Africa.

Dr. Porag Kalita

Professor & Head, Department of Automobile Engineering, Jorhat (Assam), India.

Dr. T. A. Ashok Kumar

Associate Professor, Department of Computer Science, Christ University, Bengaluru (Karnataka), India.

Dr. Malini M Patil

Associate Professor, Department of Information Science and Engineering, JSS Academy of Technical Education, JSS Campus, Bangalore (Karnataka), India.

Dr. V. Selvan

Associate Professor, Department of Civil Engineering, Sri Ramakrishna Engineering College, Vattamalaipalayam, Coimbatore (Tamil Nadu), India.

Dr. Syed Umar

Associate Professor, Department of Computer Science and Engineering, Koneru Lakshmaiah University, Vaddeswaram (Andhra Pradesh), India.

Dr. Anand Kumar Singh

Associate Professor & HOD, Department of Computer Science & Engineering, Vikrant Institute of Technology & Management, Gwalior, (M.P.) India.

Dr. Ajit Kumar Senapati

Associate Professor, Department of Mechanical Engineering, Gandhi Institute of Engineering & Technology Gunupur (Orissa), India.

Dr. Lakshmi Praveen Pogula

Assistant Professor, Department of Physics, Veer Surendra Sai University of Technology, Burla (Odisha), India.

Dr. A. Dinesh Kumar

Assistant Professor & Head, Department of Science & Humanities, Dhanalakshmi Srinivasan Engineering College, Perambalur (Tamil Nadu), India.

Dr. A. Sasi Kumar

Associate Professor, Department of Information Technology, Institution or Company, Vels University, Pallavaram, (Tamil Nadu), India.

Dr. B. N. Chandrashekar

Post Doctoral Scholar, Department of Material Science & Engineering, South University of Science and Technology of China, Shenzhen, China.

Dr. F. Ayca Cetinkaya

Assistant Professor, Department of Mathematics, Mersin University, Mersin, Yenişehir, Yenişehir, Turkey.

Dr. Pavan Agrawal

Associated Professor, Department of Mechanical Engineering, Vikrant Institute of Technology & Management, Gwalior (M.P), India.

Dr. Muhammad Hussein Noure Elahi

Associated Professor, Department of Educational Administration, Science and Research Branch, Islamic Azad University, Tehran. Iran.

Dr. Roozbeh Abedini Nassab

Research Assistant, Department of Mechanical Engineering and Materials Science, Duke University, Durham, North Carolina.

Dr. S. R. Boselin Prabhu

Assistant Professor, Department of Electrical Communication Engineering, SVS College of Engineering, Coimbatore (Tamil Nadu) India.

Dr. Y. Ashok Kumar Reddy

Research Professor, Department of Electrical Engineering, Korea Advanced Institute of Science and Technology, Daejeon, South Korea.

Dr. Ilknur Yesilce

Assistant Professor, Research Assistant, Department of Mathematics, Mersin University, Turkey.

Dr. Jingchao Zhang

Assistant Professor, Holland Computing Center, University of Nebraska-Lincoln, Lincoln.

Dr. Mohamed Abd El-Baset Matwalli

Assistant Professor, Department of Operations Research & Decision Support, Faculty of Computers and Informatics, Zagazig University, Egypt.

Dr. S. R. Boselin Prabhu

Assistant Professor, Department of Electrical Communication Engineering, SVS College of Engineering Coimbatore, Arasampalayam (Tamil Nadu). India.

Dr. Vikram Sharma

Associate Professor & Head, Department of Science and Humanities, RVS College of Engineering and Technology, Jamshedpur (Jharkhand), India.

Dr. Akshey Bhargava

Assistant Professor, Department of Civil Engineering, Global Institute of Engineering and Technology, Melvisharam (Tamil Nadu), India.

Dr. S. Rajkumar

Assistant Professor, Department of Mechanical and Electromechanical Engineering, Hawassa Institute of Technology, Hawassa University, Hawassa, Ethiopia.

Dr. A.V. Senthil Kumar

Professor, Department of Computer Applications, Hindusthan College of Arts and Science College, Coimbatore (Tamil Nadu), India.

Dr. K. Subramanyam

Associate Professor, Department of Physics, Sri Venkateswara University, Tirupati (Andhra Pradesh), India.

Dr. Said Elshahat Abdallah

Associate Professor, Department of Agricultural Engineering, Faculty of Agriculture Kafrelsheikh University, Kafr Elsheikh, Egypt.

Dr. R. Devi Priya

Associate Professor, Department of Information Technology, Kongu Engineering College, Erode (Tamil Nadu), India.

Dr. Abhinav Vidwans

Associate Professor, Department of Computer Science and Engineering, Vikrant Group of Institutions Campus, Morar, Gwalior (M.P.), India.

Dr. A. K. Priya

Associate Professor, Department of Civil Engineering, KPR Institute of Engineering and Technology, Arasur, Coimbatore (Tamil Nadu), India.

Dr. K Ashok Reddy

Associate Professor, Department of Mechanical Engineering, MLR Institute of Technology, Hyderabad (Telangana), India.

Dr. T. V. Surya Narayana

Assistant Professor, Department of Information Technology, Manipal University, SMUDDE, Gangtok (Sikkim), India.

Dr. Srinivasa Raju Rallabandi

Assistant Professor, Department of Mathematics, Gandhi Institute of Technology and Management, Hyderabad (Telangana), India.

Dr. Deepika Garg

Assistant Professor, Department of Applied Science, GD Goenka University, Gurgaon (Haryana), India.

Dr. Girish Madhukar Tere

Assistant Professor, Department of Computer Science, Thakur College of Science and Commerce, Affiliated to University of Mumbai, Mumbai (Maharashtra), India.

Dr. Sameh G.Salem

Associate Professor, Department of Electrical Engineering, Military Technical College, Cairo Governorate, Egypt.

Dr. Abhishek Singh

Associate Professor, Department of Mathematics, African Institute for Agrarian Studies, Amity University, Noida (U.P.), India.

Dr. Kompella Venkata Ramana

Associate Professor, Department of Computer Science and Systems Engineering, Engineering College, Andhra University, Visakhapatnam (A.P.), India.

Dr. Bala Siddulu Malga

Assistant Professor, Department of Mathematics, Gandhi Institute of Technology and Management, Visakhapatnam (Andhra Pradesh), India.

Dr. Meeravali Shaik

Professor, Department of Master of Business Administration, Rise Krishna Sai Prakasam Group of Institutions, Valluru, Ongole (A.P.), India.

Dr. Mohammad Valipour

Assistant Professor, Department of Water Sciences and Engineering, Payame Noor University, Tehran, Iran.

Dr. Arvind Kumar Drave

Associate Professor, Department of Mechanical Engineering, Indian Institute of Technology, Kanpur (Uttar Pradesh), India.

Dr. Krishna Banana

Assistant Professor, Department of Commerce and Business Administration, Acharya Nagajuna University Ongole Campus, Ongole Prakasam (Andhra Pradesh), India.

Dr. Christo Ananth

Associate Professor, Department of Electrical & Communication Engineering, Francis Xavier Engineering College, Tirunelveli (Tamil Nadu), India.

Dr. Dhananjaya Reddy

Assistant Professor, Department of Mathematics, Govt. Degree College, Puttur (Andhra Pradesh), India.

2015

Editor-In-Chief**Dr. Shiv Kumar**

Ph.D. (CSE), M.Tech. (IT, Honors), B.Tech. (IT), IEEE Member

Director, Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd., Bhopal(M.P.), India

Professor, Department of Computer Science & Engineering, Lakshmi Narain College of Technology-Excellence (LNCTE), Bhopal (M.P.), India

Associated Editor-In-Chief**Dr. CheeFai Tan**

Faculty of Mechanical Engineering, University Technical, Malaysia Melaka, Malaysia.

Dr. Venkat K. Krishnan

Post-Doctoral Research Associate, Electrical and Computer Engineering, 1121 Coover Hall, Iowa State University, Ames, Iowa, USA

Scientific Editors**Dr. Moinuddin Sarker**

Vice President of Research & Development, Head of Science Team, Natural State Research, Inc., 37 Brown House Road (2nd Floor) Stamford, USA.

Dr. Shanmugha Priya. Pon

Principal, Department of Commerce and Management, St. Joseph College of Management and Finance, Makambako, Tanzania, East Africa, Tanzania

Dr. Guoxiang Liu

Member of IEEE, University of North Dakota, Grand Forks, N.D., USA

Dr. Veronica Mc Gowan

Associate Professor, Department of Computer and Business Information Systems, Delaware Valley College, Doylestown, PA, Allman, China.

Dr. Mohd. Nazri Ismail

Professor, System and Networking Department, Jalan Sultan Ismail, Kuala Lumpur, Malaysia

Dr. Fadiya Samson Oluwaseun

Assistant Professor, Girne American University, as a Lecturer & International Admission Officer (African Region) Girne, Northern Cyprus, Turkey.

Dr. Kakoli Das

Principal Engineer, Globalfoundries, New York, USA

Dr. M. Madijagan

BITS Pilani, Dubai Campus, DIAC, Dubai, United Arab, UAE

Dr. Pavol Tanuska

Associate Professor, Department of Applied Informatics, Automation, and Mathematics, Trnava, Slovakia

Dr. Robert Brian Smith

International Development Assistance Consultant, Department of AEC Consultants Pty Ltd, AEC Consultants Pty Ltd, Macquarie Centre, North Ryde, New South Wales, Australia

Dr. Durgesh Mishra

Chairman, IEEE Computer Society Chapter Bombay Section, Chairman IEEE MP Subsection, Professor & Dean (R&D), Acropolis Institute of Technology, Indore (M.P.), India

Dr. Sandra De Iaco

Professor, Dip.to Di Scienze Dell'Economia-Sez. Matematico-Statistica, Italy

Executive Editors**Dr. Yu Qi**

Department of Computer Science, 30 Montgomery Street, Jersey, NJ, USA.

Dr. Vahid Nourani

Professor, Faculty of Civil Engineering, University of Tabriz, Iran.

Prof.(Dr.) Anuranjan Misra

Professor & Head, Department of Computer Science & Engineering and Information Technology, Noida International University, Noida (U.P.), India.

Dr. TOFAN Cezarina Adina

Associate Professor, Department of Sciences Engineering, Spiru Haret University, Arges, Romania.

Dr. Deepak Garg

Professor, Department of Computer Science and Engineering, Thapar University, Patiala (Punjab), India, Senior Member of IEEE, Secretary of IEEE Computer Society (Delhi Section), Life Member of Computer Society of India (CSI), Indian Society of Technical Education (ISTE), Indian Science Congress Association Kolkata.

Dr. Dinesh Varshney

Director of College Development Counseling, Devi Ahilya University, Indore (M.P.), Professor, School of Physics, Devi Ahilya University, Indore (M.P.), and Regional Director, Madhya Pradesh Bhoj (Open) University, Indore (M.P.), India

Dr. Saber Mohamed Abd-Allah

Associate Professor, Department of Biochemistry, Shanghai Institute of Biochemistry and Cell Biology, Shanghai, China.

Dr. Xiaoguang Yue

Associate Professor, Department of Computer and Information, Southwest Forestry University, Kunming (Yunnan), China.

Dr. Labib Francis Gergis Rofaiel

Associate Professor, Department of Digital Communications and Electronics, Misr Academy for Engineering and Technology, Mansoura, Egypt.

Dr. Ravindra Prakash Gupta

Principal, Maharishi Arvind College of Engineering and Research Center, Jaipur (Rajasthan), India.

Dr. Hugo A.F.A. Santos

ICES, Institute for Computational Engineering and Sciences, The University of Texas, Austin, USA.

Dr. D. S. R. Murthy

Professor, Department of Information Technology, Sree Nidhi Institute of Science and Technology Yamnampet, Hyderabad (A.P.), India.

Dr. P. Raviraj

Professor & Head, Department of Computer Science & Engineering, Kalaignar Karunanidhi Institute of Technology, Coimbatore (Tamil Nadu), India.

Dr. Kapil Kumar Bansal

Head (Research and Publication), SRM University, Gaziabad (U.P.), India.

Dr. T. C. Manjunath

Principal & Professor, HKBK College of Engineering, Nagawara, Bengaluru (Karnataka), India.

Dr. Kosta Yogeshwar Prasad

Director, Technical Campus, Marwadi Education Foundation's Group of Institutions Gauridad, Rajkot (Gujarat), India.

Dr. P. Dananjayan

Professor, Department of Electrical Communication Engineering, Pondicherry Engineering College, Pondicherry (Tamil Nadu), India.

Dr. Sunandan Bhunia

Associate Professor & Head, Department of Electronics & Communication Engineering, Haldia Institute of Technology, Haldia (Bengal), India.

Dr. Rajiv Srivastava

Director, Department of Computer Science & Engineering, Sagar Institute of Research & Technology, Bhopal (M.P.), India.

Dr. Chakunta Venkata Guru Rao

Professor, Department of Computer Science & Engineering, SR Engineering College, Warangal Urban (Telangana), India.

Dr. Anuranjan Misra

Professor, Department of Computer Science & Engineering, Bhagwant Institute of Technology, Ghaziabad (U.P.), India.

Advisory Chair**Dr. Uma Shanker**

Professor & Head, Department of Mathematics, Chouksey Engineering College, Bilaspur (C.G.), India.

Dr. Rama Shanker

Professor & Head, Department of Statistics, Eritrea Institute of Technology, Asmara, Eritrea.

Dr. Vinita Kumari

Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd., India

Dr. Sadhana Vishwakarma

Associate Professor, Department of Chemistry, Technocrat Institute of Technology, Bhopal (M.P.), India.

Dr. Kamal Mehta

Associate Professor, Department of Computer Engineering, Institute of Technology, NIRMA University, Ahmedabad (Gujarat), India.

Dr. Suresh Babu Perli

Professor & Head, Department of Electrical and Electronic Engineering, Narasaraopeta Engineering College, Guntur (A.P.), India.

Dr. Binod Kumar

Associate Professor, School of Engineering and Computer Technology, Faculty of Integrative Sciences and Technology, Quest International University, Ipoh, Perak, Malaysia.

Dr. Chiladze George

Professor, Faculty of Law, Akhaltsikhe State University, Tbilisi University, Georgia.

Dr. Kavita Khare

Professor, Department of Electronics & Communication Engineering., MANIT, Bhopal (M.P.), India.

Dr. C. Saravanan

Associate Professor (System Manager) & Head, Computer Center, NIT, Durgapur (W.B), India.

Dr. S. Saravanan

Professor, Department of Electrical and Electronics Engineering, Muthayamal Engineering College, Resipuram (Tamilnadu), India.

Dr. Amit Kumar Garg

Professor & Head, Department of Electronics and Communication Engineering, Maharishi Markandeshwar University, Mullana Ambala (Haryana), India.

Dr. Kamal K Mehta

Associate Professor, Department of Computer Engineering, Institute of Technology, NIRMA University, Ahmedabad (Gujarat), India.

Dr. Sahab Singh

Associate Professor, Department of Management Studies, Dronacharya Group of Institutions, Greater Noida (U.P.), India.

Dr. Umesh Kumar

Principal, Govt Women Poly, Ranchi (Jharkhand), India.

Dr. Jaswant Singh Bhomrah

Director, Department of Profit Oriented Technique, Navsari (Gujarat), India.

Technical Chair**Dr. Mohd. Husain**

Director. MG Institute of Management & Technology, Banthara, Lucknow (U.P.), India.

Dr. T. Jayanthi

Principal, Panimalar Institute of Technology, Chennai (TN), India.

Dr. Umesh A.S.

Director, Technocrats Institute of Technology & Science, Bhopal (M.P.), India.

Dr. B. Kanagasabapathi

Infosys Labs, Infosys Limited, Center for Advance Modeling and Simulation, Infosys Labs, Infosys Limited, Electronics City, Bangalore, India.

Dr. C.B. Gupta

Professor, Department of Mathematics, Birla Institute of Technology & Sciences, Pilani (Rajasthan), India.

Dr. Jaydeb Bhaumik

Associate Professor, Department of Electronics & Communication Engineering, Haldia Institute of Technology, Haldia (Bengal), India.

Dr. Rajesh Das

Associate Professor, School of Applied Sciences, Haldia Institute of Technology, Haldia (West Bengal), India.

Dr. Mrutyunjaya Panda

Professor & Head, Department of EEE, Gandhi Institute for Technological Development, Bhubaneswar, Odisha, India

Dr. Mohd. Nazri Ismail

Associate Professor, Department of System and Networking, University of Kuala (UniKL), Kuala Lumpur, Malaysia.

Dr. Haw Su Cheng

Faculty of Information Technology, Multimedia University (MMU), Jalan Multimedia (Cyberjaya), Malaysia.

Dr. Hossein Rajabalipour Cheshmehgaz

Department of Industrial Modeling and Computing, Faculty of Computer Science and Information Systems, Universiti Teknologi Malaysia (UTM) 81310, Skudai, Malaysia.

Dr. Sudhinder Singh Chowhan

Associate Professor, Institute of Management and Computer Science, NIMS University, Jaipur (Rajasthan), India.

Dr. Neeta Sharma

Professor & Head, Department of Communication Skills, Technocrat Institute of Technology, Bhopal (M.P.), India.

Dr. Ashish Rastogi

Associate Professor, Department of CS & IT, Guru Ghansi Das University, Bilaspur (C.G.), India.

Dr. Santosh Kumar Nanda

Professor, Department of Computer Science and Engineering, Eastern Academy of Science and Technology (EAST), Khurda (Orisa), India.

Dr. Hai Shanker Hota

Associate Professor, Department of CSIT, Guru Ghansi Das University, Bilaspur (C.G.), India.

Dr. Sunil Kumar Singla

Professor, Department of Electrical and Instrumentation Engineering, Thapar University, Patiala (Punjab), India.

Dr. A. K. Verma

Professor, Department of Computer Science and Engineering, Thapar University, Patiala (Punjab), India.

Dr. Mohd. Ali Hussain

Professor, Department of Computer Science and Engineering, Sri Sai Madhavi Institute of Science & Technology, Rajahmundry (A.P.), India.

Dr. Sunil Mishra

Associate Professor, Department of Communication Skills (English), Dronacharya College of Engineering, Farrukhnagar, Gurgaon (Haryana), India.

Dr. VS Giridhar Akula

Professor, Avanthi's Research & Technological Academy, Gunthapally, Hyderabad (Andhra Pradesh), India.

Dr. S. Satyanarayana

Associate Professor, Department of Computer Science and Engineering, KL University, Guntur (Andhra Pradesh), India.

Dr. Bhupendra Kumar Sharma

Associate Professor, Department of Mathematics, KL University, BITS Pilani (Rajasthan), India.

Dr. Praveen Agarwal

Associate Professor & Head, Department of Mathematics, Anand International College of Engineering, Jaipur (Rajasthan), India.

Dr. Manoj Kumar

Professor, Department of Mathematics, Rashtriya Kishan Post Graduate Degree, College, Shamli (U.P.), India.

Dr. Shaikh Abdul Hannan

Associate Professor, Department of Computer Science, Vivekanand Arts Sardar Dalipsing Arts and Science College, Aurangabad (Maharashtra), India.

Dr. K.M. Pandey

Professor, Department of Mechanical Engineering, National Institute of Technology, Silchar (Assam), India.

Dr. Biswajit Chakraborty

MECON Limited, Research and Development Division (A Govt. of India Enterprise), Ranchi (Jharkhand), India.

Dr. D. V. Ashoka

Professor & Head, Department of Information Science & Engineering, SJB Institute of Technology, Kengeri (Bangalore), India.

Dr. Sasidhar Babu Suvanam

Professor & Academic Coordinator, Department of Computer Science & Engineering, Sree Narayana Gurukulam College of Engineering, Kadayiuruppu (Kerala), India.

Dr. C. Venkatesh

Professor & Dean, Faculty of Engineering, EBET Group of Institutions, Kangayam, Erode, Caimbatore (Tamil Nadu), India.

Dr. Nilay Khare

Associate Professor & Head, Department of Computer Science, Maulana Azad National Institute of Technology, Bhopal (M.P.), India.

Dr. Yaduvir Singh

Associate Professor, Department of Computer Science & Engineering, Ideal Institute of Technology, Govindpuram Ghaziabad, Lucknow (U.P.), India

Dr. Angela Amphawan

Head of Optical Technology, School of Computing, Universiti Utara Malaysia (Kedah), Malaysia.

Dr. Ashwini Kumar Arya

Associate Professor, Department of Electronics & Communication Engineering, Faculty of Engineering and Technology, Graphic Era University, Dehradun (Uttarakhand), India.

Dr. Yash Pal Singh

Director, Department of Electronics & Communication Engineering, KLS Institute of Engineering & Technology, KLSIET, Chandok, Bijnor (U.P.), India.

Dr. Ashish Jain

Associate Professor, Department of Computer Science & Engineering, Accurate Institute of Management & Technology, Gr. Noida (U.P.), India.

Dr. Abhay Saxena

Associate Professor & Head, Department. of Computer Science, Dev Sanskriti University, Haridwar, Uttrakhand, India

Dr. Judy. M.V

Associate Professor & Head, Department of CS & IT, Amrita School of Arts and Sciences, Amrita Vishwa Vidyapeetham, Edapally, (Kerala), India.

Dr. Sangkyun Kim

Professor, Department of Industrial Engineering, Kangwon National University, Gangwondo, Korea.

Dr. Sanjay M. Gulhane

Professor, Department of Electronics & Telecommunication Engineering, Jawaharlal Darda Institute of Engineering & Technology, Yavatmal (Maharashtra), India.

Dr. K.K. Thyagarajan

Principal & Professor, Department of Informational Technology, RMK College of Engineering & Technology, Thiruyallur (Tamil Nadu), India.

Dr. P. Subashini

Associate Professor, Department of Computer Science, Coimbatore (Tamil Nadu), India.

Dr. G. Srinivasrao

Professor, Department of Mechanical Engineering, RVR & JC, College of Engineering, Chowdavaram, Guntur (Andhra Pradesh), India.

Dr. Rajesh Verma

Professor, Department of Computer Science & Engineering & Information Technology, Kurukshetra Institute of Technology & Management, Kurukshetra (Haryana), India.

Dr. Pawan Kumar Shukla

Associate Professor, Satya College of Engineering & Technology, Haryana, India.

Dr. U C Srivastava

Associate Professor, Department of Applied Physics, Amity Institute of Applied Sciences, Amity University, Noida (U.P.), India.

Dr. Reena Dadhich

Professor & Head, Department of Computer Science and Informatics, MBS MArg, Near Kabir Circle, University of Kota (Rajasthan), India.

Dr. Aashis.S.Roy

Department of Materials Engineering, Indian Institute of Science, Bangalore (Karnataka), India.

Dr. Sudhir Nigam

Professor & Principal, Department of Civil Engineering, Lakshmi Narain College of Technology and Science, Bhopal, (M.P.), India.

Dr. S. Senthil Kumar

Doctorate, Department of Center for Advanced Image and Information Technology, Division of Computer Science and Engineering,

Graduate School of Electronics and Information Engineering, Chon Buk National University Deok Jin-Dong, Jeonju, Chon Buk, 561-756, South Korea.

Dr. Gufran Ahmad Ansari

Associate Professor, Department of Information Technology, College of Computer, Qassim University, Al-Qassim, Kingdom of Saudi Arabia (KSA).

Dr. R.Navaneethakrishnan

Associate Professor, Department of MCA, Bharathiyar College of Engineering and Technology, Thiruvettakudy (Puducherry), India.

Dr. Hossein Rajabalipour Cheshmejjaz

Industrial Modeling and Computing Department, Faculty of Computer Science and Information Systems, University Teknologi Skudai, Malaysia.

Dr. Veronica McGowan

Associate Professor, Department of Computer and Business Information Systems, Delaware Valley College, Doylestown, PA, Allman China.

Dr. Sanjay Sharma

Associate Professor, Department of Mathematics, Bhilai Institute of Technology, Durg (Chhattisgarh), India.

Dr. Taghreed Hashim Al-Noor

Professor, Department of Chemistry, Ibn-Al-Haitham Education for Pure Science College, University of Baghdad, Iraq.

Dr. Madhumita Dash

Professor, Department of Electronics & Telecommunication, Orissa Engineering College, Bhubaneswar (Odisha), India.

Dr. Anita Sagadevan Ethiraj

Associate Professor, Department of Centre for Nanotechnology Research (CNR), School of Electronics Engineering (Sense), Vellore Institute of Technology (VIT) University, (Tamil Nadu), India.

Dr. Sibasis Acharya

Project Consultant, Department of Metallurgy & Mineral Processing, Midas Tech International, Jindalee (Queensland), Australia.

Dr. Neelam Ruhil

Professor, Department of Electronics & Computer Engineering, Dronacharya College of Engineering, Gurgaon (Haryana), India.

Dr. Faizullah Mahar

Professor, Department of Electrical Engineering, Balochistan University of Engineering and Technology, Pakistan.

Dr. K. Selvaraju

Head, PG & Research, Department of Physics, Kandaswami Kandars College (Govt. Aided), Namakkal (Tamil Nadu), India.

Dr. M. K. Bhanarkar

Associate Professor, Department of Electronics, Shivaji University, Kolhapur (Maharashtra), India.

Dr. Sanjay Hari Sawant

Professor, Department of Mechanical Engineering, Dr. J. J. Magdum College of Engineering, Jaysingpur (Maharashtra), India.

Dr. Arindam Ghosal

Professor, Department of Mechanical Engineering, Dronacharya Group of Institutions, Noida (U.P) India.

Dr. M. Chithirai Pon Selvan

Assistant Professor, Department of Mechanical Engineering, Amity University, Dubai, UAE.

Dr. S. Sambhu Prasad

Professor & Principal, Department of Mechanical Engineering, Pragati College of Engineering, Surampalem (Andhra Pradesh), India.

Dr. Muhammad Attique Khan Shahid

Professor of Physics & Chairman, Department of Physics, Advisor (SAAP) at Government Post Graduate College of Science, Faisalabad.

Dr. Kuldeep Pareta

Professor & Head, Department of Remote Sensing/GIS & NRM, New Delhi, India.

Dr. Th. Kiranbala Devi

Associate Professor, Department of Civil Engineering, Manipur Institute of Technology, Takyelpat (Manipur), India.

Dr. Nirmala Mungamuru

Associate Professor, Department of Computing, School of Engineering, Adama Science and Technology University, Ethiopia.

Dr. Srilalitha Girija Kumari Sagi

Associate Professor, Department of Management, Gandhi Institute of Technology and Management, Visakhapatnam (Andhra Pradesh) India.

Dr. Vishnu Narayan Mishra

Associate Professor, Department of Mathematics, Sardar Vallabhbhai National Institute of Technology, Ichchhanath Mahadev Dumas Road, Surat (Gujarat), India.

Dr. Sripada Rama Sree

Vice Principal, Associate Professor, Department of Computer Science and Engineering, Aditya Engineering College, Surampalem (Andhra Pradesh), India.

Dr. Rustom Mamlook

Associate Professor, Department of Electrical and Computer Engineering, Dhofar University, Salalah, Oman. Middle East.

Dr. Ramzi Raphael Ibraheem Al Barwari

Assistant Professor, Department of Mechanical Engineering, College of Engineering, Salahaddin University – Hawler (SUH) Erbil – Kurdistan, Erbil Iraq.

Dr. Kapil Chandra Agarwal

H.O.D. & Professor, Department of Applied Sciences & Humanities, Radha Govind Engineering College, U. P. Technical University, Jai Bheem Nagar, Meerut, (U.P). India.

Dr. Anil Kumar Tripathy

Associate Professor, Department of Environmental Science & Engineering, Ghanashyama Hemalata Institute of Technology and Management, Puri Odisha, India.

Managing Chair**Mr. Jitendra Kumar Sen**

International Journal of Engineering and Advanced Technology (IJEAT)

Reviewer Chair**Dr. Saeed Balochian**

Associate Professor, Gonaabad Branch, Islamic Azad University, Gonabad, Iran.

Dr. Mongey Ram

Associate Professor, Department of Mathematics, Graphics Era University, Dehradun (Uttarakhand), India.

Dr. Arupratan Santra

Sr. Project Manager, Infosys Technologies Ltd, Hyderabad (A.P.), India.

Dr. Ashish Jolly

Dean, Department of Computer Applications, Guru Nanak Khalsa Institute & Management Studies, Yamuna Nagar (Haryana), India.

Dr. Israel Gonzalez Carrasco

Associate Professor, Department of Computer Science, Universidad Carlos III de Madrid, Leganes (Madrid), Spain.

Dr. Khushali Menaria

Associate Professor, Department of Bio-Informatics, Maulana Azad National Institute of Technology (MANIT), Bhopal (M.P.), India.

Dr. R. Sukumar

Professor, Sethu Institute of Technology, Pulloor, (Tamil Nadu), India.

Dr. Cherouat Abel

Professor, University of Technology, Troyes, France.

Dr. Rinkle Aggrawal

Associate Professor, Department of Computer Science and Engineering, Thapar University, Patiala (Punjab), India.

Dr. Parteek Bhatia

Associate Professor, Department of Computer Science & Engineering, Thapar University, Patiala (Punjab), India.

Dr. Manish Srivastava

Professor & Head, Department of Computer Science and Engineering, Guru Ghasidas Central University, Bilaspur (C.G.), India.

Dr. Pratosh Bansal

Associate Professor, Department of Information Technology, Institute of Engineering and Technology, Devi Ahilya Vishwavidyalaya, Indore (M.P.), India.

Dr. Pouya Derakhshan Barjoei

Associate Professor, Department of Electrical and Computer Engineering, Islamic Azad University, Naein Branch, Iran.

Dr. Subrata Bhowmik

Technical University of Denmark, Lyngby, Denmark.

Dr. Ashraf Hossain

Associate Professor, Department of Electronics & Communication Engineering, Aliah University, Kolkata (W.B), India.

Dr. A. Subramani

Professor, Department of MCA, K.S.R. College of Engineering, Tiruchengode (Tamil Nadu), India.

Dr. K. Ramesh Kumar

Associate Professor, Department of Information Technology, Hindustan University, Chennai (Tamil Nadu), India.

Dr. Jatinder Kumar R. Saini

Associate Professor & Head, Department of Computer Science, Sankalchand Patel College of Engineering, Visnagar (Gujrat), India.

Dr. Sanchayan Mukherjee

Associate Professor, Department of Mechanical Engineering, Kalyani Government Engineering College, Kalyani University, Kalyani (West Bengal), India.

Dr. Tapanendu Kamilya

Associate Professor, Department of Physics, Narajole Raj College, Narajole (West Bengal), India.

Dr. A. K. Malik

Associate Professor, Department of Mathematics, B K Birla Institute of Engineering & Technology, Pilani (Rajasthan), India.

Dr. P. Sandhya Joshi

Associate Professor, Department of Computer Science, Amrita Vishwa Vidyapeetham University, Mysore (Karnataka), India.

Dr. Jayashri Vajpai

Associate Professor, Department of Electrical Engineering, J.N.V. University, Jodhpur (Rajasthan), India.

Dr. Sam Emmanuel W R

Associate Professor, Department of Computer Science, Nesamony Memorial Christian College, Marthandam (TN), India.

Dr. Sanjay Babarao Warkad

Associate Professor, Department of Electrical Engineering, Priyadarshini College of Engineering, Nagpur (Maharashtra), India.

Dr. Ahmed Nabih Zaki Rashed

Associate Professor, Department of Electronics and Electrical Communication Engineering, Menoufia University, Menoufia, Egypt.

Dr. Deepali Virmani

Associate Professor, Department of Computer Science & Engineering, Bhagwan Parshuram Institute of Technology, GGSIPU, Rohini (Delhi), India.

Dr. M. Subba Rao

Professor, Department of Information Technology, Annamacharya Institute of Technology and Sciences, Kadapa (Andhra Pradesh), India.

Dr. K.V.L.N. Acharyulu

Professor, Faculty of Science, Department of Mathematics, Bapatla Engineering College, Bapatla (Andhra Pradesh), India.

Dr. Remisetti Rajeswara Rao

Professor & Haed, Department of Computer Science and Engineering, Mahatma Gandhi Institute of Technology, Gandipet (Hyderabad), India.

Dr. R.R. Mudholkar

Associate Professor, Department of Electronics, Shivaji University, Kodhapu (Maharashtra), India.

Dr. Rajesh Kumar U. Sambhe

Associate Professor & Head, Department of Mechanical Engineering Workshop, Jawaharlal Dard Institute of Engineering and Technology, Yavatmal (Maharashtra), India.

Dr. A. Indra

Senior General Manager, Department of Space, Control Centre and Computer Facilities, ISRO Telemetry, Tracking and Command Network, Bangalore (Karnataka), India.

Dr. M. Sasikumar

Professor, Department of Electronics and Electrical Engineering, Jeppiaar Engineering College, Chennai (Temil Nadu), India.

Dr. Syed Asfandyar Gilani

Research Associate at SCIT Lab, Lahore, Pakistan.

Dr. VPS Naidu

Scientist, MSDF Lab, CSIR-NAL, Bangalore (Karnataka), India.

Dr. Kamal K. Mandal

Associate Professor, Department of Power Engineering, Jadavpur University, Salt Lake Campus, Kolkata (West Bengal), India.

Dr. G. Sreedhar

Associate Professor, Department of Computer Science, Rashtriya Sanskrit Vidyapeetha (Deemed University), Tirupati, (A.P), India.

Dr. B. Muthukumar

Associate Professor, Department of Information Technology, Kathir College of Engineering, Neelambur, Coimbatore (Tamil Nadu), India.

Dr. V. Nagarajan

Professor & Head, Department of Electrical and Electronics Engineering, Sona College of Technology, Salem (Tamil Nadu), India.

Dr. R. Arulmozhiyal

Associate Professor, Department of Electronics and Communication Engineering, Adhiparasakthi College of Engineering, Villupuram (Tamil Nadu), India.

Dr. R. Harikumar

Professor, Department of Electronics and Communication Engineering, Bannari Amman Institute of Technology, Sathyamangalam (Tamil Nadu), India

Dr. Anand Kumar

Professor & Head, Department of MCA, M.S. Engineering College, Bangalore (Karnataka), India.

Dr. Mohamed Rahayem

School of Science and Technology, Karlavägen (Karlskoga), Sweden.

Dr. P.T.V. Bhuvaneshwari

Associate Professor, Department of Electronics Engineering, Madras Institute of Technology Anna University, Chennai (Tamil Nadu), India.

Dr. Mangey Ram

Associate Professor, Department of Mathematics, Graphic Era University, Dehradun (Uttarakhand), India.

Dr. Sarika Jain

Assistant Professor, Department of Computer Applications, National Institute of Technology, Kurukshetra (Haryana), India.

Dr. Adri Jovin J.J.

Associate Professor, Department of Computer Science & Engineering, Sri Narayana Guru Institute of Technology, Coimbatore (Tamil Nadu), India.

Dr. V. Kumar Chinnaiyan

Professor & Head, Department of Electrical and Electronics, Jansons Institute of Technology, Caimbatore (Tamil Nadu), India.

Dr. T. Pearson

Professor, Department of Electronics and Communication Engineering, SMK Fomra Institute of Technology, Anna Nagar (Chennai), India.

Dr. Indu Verma

Professor, Department of Physics, University of Lucknow (U.P.), India.

Dr. Pravin P Patil

Associate Professor, Department of Mechanical Engineering, Graphic Era University, Dehradun (Uttarakhand), India.

Dr. Surendra Yadav

Professor, Department of Computer Science and Engineering, Dreen Avenue, Jaipur (Rajasthan), India.

Dr. K. Sivakumar

Assoc. Professor, Department of Computer Applications, SNMV College of Arts & Science, Coimbatore (Tamil Nadu), India.

Dr. Lazar Stosic

College for Professional Studies Educators, Aleksinac, Serbia, Europe.

Dr. Ashu Gupta

Associate Professor, Department of Computer Applications, Apeejay Institute of Management Technical Campus, Jalandhar (Punjab), India.

Dr. T. Logeswari

Associate Professor, Department of MCA, Dr. N.G.P. Institute of Technology, Coimbatore (Tamil Nadu), India.

Dr. Nurul Fadly Habidin

Department of Management, Faculty of Management and Economics, Universiti Pendidikan Sultan Idris, Perak.

Dr. S. Manikandan

Dean, Department of Electronics and Communication Engineering, VKS College of Engineering and Technology, Karur (Tamil Nadu), India.

Dr. S. Sasikumar

Department of Electronics and Communication Engineering, Jayaram College of Engineering and Technology, Tiruchirappalli (Tamil Nadu), India.

Dr. Mojtaba Moradi

Associate Professor, Department of Statistics, Faculty of Mathematical Sciences, University of Guilan, Rasht, Iran.

Dr. Neeraj Kumar

Associate Professor, Department of Applied Sciences & Humanities, IIMT Engineering.College, Meerut (U.P.), India.

Dr. T. V. Suryanarayana

Associate Professor, Department of ECM, K L University, Green Fields,Vaddeswaram, Guntur (A.P.), India.

Dr. Yaswanth Kumar Avulapati

Department of Computer Science, S.V.U. College of CM & CS, S.V. University, Tirupati (A.P.), India.

Dr. N Dinesh Kumar

Professor, Department of Electronics & Instrumentation, Vignan Institute of Technology and Science, Nalgonda (Telangana), India.

Dr. Deepshikha Bhargava

Associate Professor & Head, Department of Information Technology, Amity University, Jaipur (Rajasthan), India.

Dr. Dinesh Sharma

Associate Professor, Department of Electronics and Communication Engineering, DAV College of Engineering & Technology, Kanina (HR), India.

Dr. Aginam, Chukwurah Henry

Department of Civil Engineering/Structural Engineering, Nnamdi Azikiwe University, Awka, Anambra, Nigeria.

Dr. Messaouda AZZOUZI

Associate Professor, Department of Sciences and Technologies, Djelfa, Algeria.

Dr. Remica Aggarwal

Associate Professor, Department of Management, Birla Institute of Technology and Science, Pilani (Rajasthan), India.

Dr. Dinesh Chandra Jain

Associate Professor, Department of Computer Science & Engineering, Shri Vaishnav Institute of Technology and Science, Indore (M.P.), India.

Dr. Vu Truong Vu

Department of Civil Engineering, Ho Chi Minh City University of Transport, Faculty of Civil Engineering, Binh Thanh, Vietnam.

Dr. Muhammad Farhan

Department of Mathematical Models & Travel Demand Forecasting, Wasatch Front Regional Council, USA.

Dr. S. Sumathi

Professor, Department of Electrical and Electronics Engineering, Vinayaka Mission's Kirupananda Variyar Engineering College, Salem (Tamil Nadu), India.

Dr. G. Subramanya Nayak

Associate Professor, Department of Electronics & Communication Engineering, Manipal Institute of Technology, Manipal University, Manipal (Karnataka), India.

Dr. R. Balamurugan

Professor, Department of Electrical and Electronics Engineering, KSR College of Technology, Tiruchengode (Tamil Nadu), India.

Dr. Ganesh Kumar T

Department of Computer Science and Engineering, Manonmaniam Sundaranar University, Tirunelveli (Tamil Nadu), India.

Dr. K. Siva Rama Krishna

Associate Professor, Department of Civil Engineering, Gitam University, Visakhapatnam (Andhra Pradesh), India.

Dr. P. Sanjeevi Kumar

Associate Professor, Department of Electrical Engineering, Bharathi Street (Puducherry), India.

Dr. DALAH Mohamed

Professor, Department of Mathematics, Faculty of Sciences, University of Constantine, Algeria.

Dr. Shoukat Ali

Professor, Department of Mathematics, Govt. Engineering College Bikaner, Bikaner (Rajasthan), India.

Dr. Vijay K Chaudhari

Professor & Head, Department of Information Technology, Truba Institute of Engineering and Technology, Bhopal (M.P.), India.

Dr. Ricardo Rodriguez Jorge

Associate Professor, Technological University of Ciudad Juarez.

Dr. N. Venkatesan

Associate Professor, Department of IT, Bharathiyar College of Engineering and Technology, Thiruvettakudy (Puducherry), India.

Dr. Syed Umar

Associate Professor, Department of ECM, Koneru Lakshmaiah Education Foundation, Guntur (A.P.), India.

Dr. Manoranjan Pradhan

Professor, Department of Computer Science and Engineering, Gandhi Institute for Technological Advancement, Badaragunathpur (Odisha), India.

Dr. H. S. Behera

Associate Professor, Department of Computer Science and Engineering, Veer Surendra Sai University of Technology, Burla, Sambalpur (Odisha), India.

Dr. Sunil Kumar

Associate Professor, Department of Mathematics, National Institute of Technology, Jharkhand, India.

Dr. Shrikant Tiwari

Associate Professor, Department of Computer Science & Engineering, Shri Shankaracharya Group of Institutions, Chattisgarh, India.

Dr. Ahmed AbdAllah Hassan

Associate Professor, Department of Computer Science and Information, Community College, Taibah University, Al Medina Al Munawara, Saud Arabia.

Dr. Vijay H Mankar

Associate Professor, Department of Electronics and Telecommunication, Govt. Poly Technique, Nagpur (Maharashtra), India.

Dr. Govindaraj Thangavel

Professor & Head, Department of Electronics and Electrical Engineering, Muthayammal Engineering College, Namakkal (Tamil Nadu), India.

Dr. Satish Kumar Peddapelli

Associate Professor, Department of Electrical Engineering, University College of Engineering, Osmania University, Hyderabad (Andhra Pradesh), India.

Dr. Kola Satya Narayana

Pragati Engineering College, East Godavari (Andhra Pradesh), India.

Dr. Pankaj Kumar Sharma

Associate Professor, Department of Electronics and Communication Engineering, Moradabad Institute of Technology, Moradabad (U.P.), India.

Dr. Shaikh Abdul Hannan

Associate Professor, Department of Computer Science, Vivekanand Arts Sardar Dalipsing Arts and Science College, Aurangabad (Maharashtra), India.

Dr. Om Prakash Singh

Associate Professor, School of Engineering, Indian Institute of Technology (IIT) Mandi, Mandi (Himachal Pradesh), India.

Dr. JatinderKumar R. Saini

Associate Professor & Head, Department of Computer Science, Sankalchand Patel College of Engineering, Mehsana (Gujrat), India.

Dr. G. R. Rameshkumar

Senior Lecturer, Department of Mechanical & Industrial Engineering, Caledonian College of Engineering, SEEB, Oman.

Dr. K.S. Zakiuddin

Dean Academics, Professor & Head, Department of Mechanical Engineering, Priyadarshini College of Engineering, Nagpur Maharashtra, India.

Dr. Kamal K Mandal

Associate Professor & Ex-Head, Department of Power Engineering, Jadavpur University, Salt Lake Campus, Kolkata (West Bengal), India.

Dr. Satyanarayana

Professor, Department of Biomedical Engineering, Director of Research, Orthopaedic Surgery, Wayne State University, Bioengineering Center, Michigan, USA.

Dr. Chitra Dhawale

Department of M.C.A , P. R. Patil Group of Educational Institutes, Amravati (Maharashtra), India.

Dr. Abdul Mutalib Leman

Associate Professor, Faculty of Mechanical and Manufacturing Engineering, University Tun Hussein Onn Malaysia, Malaysia.

Dr. Ashis Banerjee

400 Stone Break Extension, Malta, NY 12020, USA.

Dr. B. L Dhananjaya

Associate Professor, School of Chemical and Biotechnology (SCBT), SASTRA University, Thirumalaisamudram (Tamil Nadu), India.

Dr. S. Kishore Reddy

Associate Professor, Department of Electronics & Communication Engineering, Swarna Bharathi College of Engineering, Khammam (Andhra Pradesh), India.

Dr. Rajesh Singh

Head, Institute of Robotics Technology, University of Petroleum and Energy Studies, Dehradun (Uttarakhand), India.

Dr. Binay Kumar

Associate Professor, Department of Applied Science, Dronacharya College of Engineering, Gurgaon (Delhi), India.

Dr. V. Sekar

Professor, Department of Electronics and Electrical Engineering, Principal Dhanalakshmi Srinivasan Institute of Technology, Samayapuram (Tamil Nadu), India.

Dr. S. Prabu

Associate Professor, Department of Computing Science and Engineering, VIT University Vellore (Tamil Nadu), India.

Dr. Mohammad Israr

Principal, Department of Mechanical Engineering, Balaji Engineering College Junagadh (Gujarat) India.

Dr. A. Siva Kumar

Professor & Head, Department of Mechanical Engineering, MLR Institute of Technology, Dundigal (Hyderabad), India.

Dr. Joydip Sengupta

Assistant Professor & Head, Department of Electronic Science, Jogesh Chandra Chaudhuri College (Affiliated to University of Calcutta), Kolkata (West Bengal), India.

Dr. B. P. Ladgaonkar

Associate Professor & Head, Department of Electronics, Shankarrao Mohite Mahavidyalaya, Akluj (Maharashtra), India.

Dr. E. Mohan

Professor & Head, Department of Computer Science and Engineering, Pallavan College of Engineering, Kanchipuram (Tamilnadu), India.

Dr. M. Shanmuga Priya

Associate Professor, Department of Biotechnology, MVJ College of Engineering, Bangalore (Karnataka), India.

Dr. Leena Jain

Associate Professor & Head, Department of Computer Applications, Global Institute of Management & Emerging Technologies, Amritsar (Punjab), India.

Dr. S.S.S.V Gopala Raju

Professor, Department of Civil Engineering, GITAM School of Technology, GITAM, University, Hyderabad (Andhra Pradesh), India.

Dr. Ani Grubisic

Department of Computer Science, Teslina 12, 21000 split, Croatia.

Dr. Ashish Paul

Associate Professor, Department of Basic Sciences (Mathematics), Assam Don Bosco University, Guwahati (Assam), India.

Dr. Sivakumar Durairaj

Professor, Department of Civil Engineering, Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Chennai (Tamil Nadu), India.

Dr. Rashmi Nigam

Associate Professor, Department of Applied Mathematics, University Institute of Technology RGPV, Bhopal, (M.P.), India.

Dr. Mu-Song Chen

Associate Professor, Department of Electrical Engineering, Da-Yeh University, Taiwan, China.

Dr. Ramesh S

Associate Professor, Department of Electronics & Communication Engineering, Dr. Ambedkar Institute of Technology, Bangalore (Karnataka), India.

Dr. Nor Hayati Abdul Hamid

Associate Professor, Department of Civil Engineering, University Teknologi Mara, Selangor, Malaysia.

Dr. C. Nagarajan

Professor & Head, Department of Electrical & Electronic Engineering, Muthayammal Engineering College, Rasipuram (Tamil Nadu), India.

Dr. Ilaria Cacciotti

Department of Industrial Engineering, University of Rome Tor Vergata Via del Politecnico, Rome-Italy.

Dr. V. Balaji

Principal Cum Professor, Department of Electronics and Electrical Engineering and E & I, Lord Ayyappa Institute of Engineering and Technology, Kanchipuram (Tamil Nadu), India.

Dr. G. Anjan Babu

Associate Professor, Department of Computer Science, S V University, Tirupati (Andhra Pradesh), India.

Dr. Damodar Reddy Edla

Associate Professor, Department of Computer Science & Engineering, National Institute of Technology, Farmagudi (Goa), India.

Dr. D. Arumuga Perumal

Professor, Department of Mechanical Engineering, Noorul Islam University, Kanyakumari (Tamil Nadu), India.

Dr. Roshdy A. AbdelRassoul

Professor, Department of Electronics and Communications Engineering, Arab Academy for Science and Technology, Abu-Qir, Alexandria, Egypt.

Dr. Aniruddha Bhattacharya

Associate Professor & Head, Department of Computer Science & Engineering, Amrita School of Engineering, Bangalore (Karnataka), India.

Dr. P. Venkateswara Rao

Professor, Department of Mechanical Engineering, Kakatiya Institute of Technology and Science, Warangal (Telangana), India.

Dr. V. Mahalakshmi M.L

Associate Professor & Head, Institute of Management Studies, Chennai CID Quarters, Mandaveli (Chennai), India.

Dr. Rajeshkumar U. Sambhe

Associate Professor & Head, Department of Mechanical, Jawaharlal Darda Institute of Engineering and Technology, Yavatmal (Maharashtra), India.

Dr. Ashok G. Matani

Associate Professor, Department Mechanical Engineering, Govt. College of Engineering, Vidarbha Mahavidyalaya, Amravati (Maharashtra), India.

Dr. Gamze OZ E L

Department Statistics, Faculty of Science, Hacettepe University Ankara, Turkey.

Dr. M V Ragahavendra

Associate Professor, Department Electronics & Communication, Adama Science & Technology University, Adama, Ethiopia.

Dr. A. Selvan

Associate Professor, Department Chemistry, Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Avadi (Tamil Nadu), India.

Dr. R. V. Krishnaiah

Professor & Head, Department of Computer Science & Engineering, DRK Institute of Science and Technology, Hyderabad (Telangana), India.

Dr. Jamshid Nazemi

Associate Professor, Department Industrial Engineering, Science & Research Branch, Azad University, Poonak (Tehran), Iran.

Dr. V. Shanmugaraju

Associate Professor & Head, Department Biotechnology, Dr. NGP Arts and Science College, Bangalore (Karnataka), India.

Dr. Soni Changlani

Professor, Department of Electronics & Communication, Lakshmi Narain College of Technology & Science, Bhopal (M.P.), India.

Dr. M. M. Manyuchi

Professor, Department Chemical and Process Systems Engineering, Lecturer-Harare Institute of Technology, Zimbabwe.

Dr. John Kaiser S. Calautit

Professor, Department Civil Engineering, School of Civil Engineering, University of Leeds, Leeds, United Kingdom.

Dr. Audai Hussein Al-Abbas

Deputy Head, Department AL-Musaib Technical College, Foundation of Technical Education, Babylon, Iraq.

Dr. Şeref Doğuşcan Akbaş

Professor, Department Civil Engineering, Şehit Muhtar Mah. Öğüt Sok. Beyoğlu Istanbul, Turkey.

Dr. H S Behera

Associate Professor, Department Computer Science & Engineering, Veer Surendra Sai University of Technology (VSSUT) A Unitary Technical University Established by the Government of Odisha, India.

Dr. Rajeev Tiwari

Associate Professor, Department Computer Science & Engineering, University of Petroleum & Energy Studies (UPES), Bidholi (Uttarakhand), India.

Dr. Piyush Kumar Shukla

Associate Professor, Department of Computer Science and Engineering, University Institute of Technology, RGPV University, Bhopal (M.P.), India.

Dr. Piyush Lotia

Associate Professor, Department of Electronics and Instrumentation, Shankaracharya College of Engineering and Technology, Bhilai (C.G.), India.

Dr. Asha Rai

Associate Professor, Department of Communication Skills, Technocrat Institute of Technology, Bhopal (M.P.), India.

Dr. Vahid Nourani

Associate Professor, Department of Civil Engineering, University of Minnesota, USA.

Dr. Hung-Wei Wu

Associate Professor, Department of Computer and Communication, Kun Shan University, Taiwan.

Dr. Vuda Sreenivasarao

Associate Professor, Department of Computer and Information Technology, Defence University College, Debrezeit Ethiopia.

Dr. Sanjay Bhargava

Associate Professor, Department of Computer Science, Banasthali University, Jaipur (Rajasthan), India.

Dr. Sanjoy Deb

Associate Professor, Department of Electrical Communication Engineering, BIT Sathy, Sathyamangalam (Tamil Nadu), India.

Dr. Papita Das (Saha)

Associate Professor, Department of Biotechnology, National Institute of Technology, Durgapur (West Bengal), India.

Dr. Waail Mahmud Lafta Al-waely

Associate Professor, Department of Mechatronics Engineering, Al-Mustafa University College, AL-SAAKKRA Square, Baghdad-Iraq.

Dr. P. P. Satya Paul Kumar

Associate Professor, Department of Physical Education & Sports Sciences, University College of Physical Education & Sports Sciences, Guntur (Andhra Pradesh), India.

Dr. Sohrab Mirsaedi

Associate Professor, Department of Electrical Engineering, Universiti Teknologi Malaysia (UTM), Skudai (Johor), Malaysia.

Dr. Omed Ghareb Abdullah

Associate Professor, Department of Physics, School of Science, University of Sulaimani, Iraq.

Dr. Khaled Eskaf

Associate Professor, Department of Computer Engineering, College of Computing and Information Technology, Alexandria, Egypt.

Dr. Nitin W. Ingole

Associate Professor & Head, Department of Civil Engineering, Prof Ram Meghe Institute of Technology and Research, Badnera Amravati (Maharashtra), India.

Dr. P. K. Gupta

Associate Professor, Department of Computer Science and Engineering, Jaypee University of Information Technology, Solan (Himachal

Pradesh), India.

Dr. P. Ganesh Kumar

Associate Professor, Department of Electronics & Communication, Sri Krishna College of Engineering and Technology, Linyi Top Network Co Ltd Linyi, China.

Dr. Santhosh K V

Associate Professor, Department of Instrumentation and Control Engineering, Manipal Institute of Technology, Manipal (Karnataka), India.

Dr. Subhendu Kumar Pani

Associate Professor, Department of Computer Science and Engineering, Orissa Engineering College, Bhubaneswar (Odisha), India.

Dr. Syed Asif Ali

Professor & Chairman, Department of Computer Science, SMI University, Karachi, Pakistan.

Dr. Vilas Warudkar

Associate Professor, Department of Mechanical Engineering, Maulana Azad National Institute of Technology, Bhopal (M.P.), India.

Dr. S. Chandra Mohan Reddy

Associate Professor & Head, Department of Electronics & Communication Engineering, JNTUA College of Engineering (Autonomous), Cuddapah (Andhra Pradesh), India.

Dr. V. Chittaranjan Das

Associate Professor, Department of Mechanical Engineering, R.V.R. & J.C. College of Engineering, Guntur (Andhra Pradesh), India.

Dr. Jamal Fathi Abu Hasna

Associate Professor, Department of Electrical & Electronics and Computer Engineering, Near East University, TRNC, Turkey.

Dr. S. Deivanayaki

Associate Professor, Department of Physics, Sri Ramakrishna Engineering College, Coimbatore (Tamil Nadu), India.

Dr. Nirvesh S. Mehta

Professor, Department of Mechanical Engineering, Sardar Vallabhbhai National Institute of Technology, Surat (Gujarat), India.

Dr. A. Vijaya Bhasakar Reddy

Associate Professor, Research Scientist, Department of Chemistry, Sri Venkateswara University, Tirupati (Andhra Pradesh), India.

Dr. C. Jaya Subba Reddy

Associate Professor, Department of Mathematics, Sri Venkateswara University, Tirupathi (Andhra Pradesh), India.

Dr. Balbir Singh

Associate Professor, Department of Health Studies, Human Development Area, Administrative Staff College of India, Bella Vista (Andhra Pradesh), India.

Dr. D. RAJU

Associate Professor, Department of Mathematics, Vidya Jyothi Institute of Technology (VJIT), Hyderabad (Telangana), India.

Dr. Salim Y. Amdani

Associate Professor & Head, Department of Computer Science Engineering, B. N. College of Engineering, Pusad (M.S.), India.

Dr. K. Kiran Kumar

Associate Professor, Department of Information Technology, Bapatla Engineering College, Bapatla (Andhra Pradesh), India.

Dr. Md. Abdullah Al Humayun

Associate Professor, Department of Electrical Systems Engineering, University Malaysia Perlis, Malaysia.

Dr. Vellore Vasu

Teaching Assistant, Department of Mathematics, S.V. University, Tirupati (Andhra Pradesh), India.

Dr. Naveen K. Mehta

Associate Professor & Head, Department of Communication Skills, Mahakal Institute of Technology, Ujjain (M.P.), India.

Dr. Gujar Anant Kumar Jotiram

Associate Professor, Department of Mechanical Engineering, Ashokrao Mane Group of Institutions, Vathar (Maharashtra), India.

Dr. Pratibhamoy Das

Scientist, Department of Mathematics, IMU Berlin Einstein Foundation Fellow Technical University of Berlin, Germany.

Dr. Messaouda AZZOUZI

Associate Professor, Department of Sciences & Technology, University of Djelfa, Algeria.

Dr. Vandana Swarnkar

Associate Professor, Department of Chemistry, Jiwaji University, Gwalior (M.P.), India.

Dr. Arvind K. Sharma

Associate Professor, Department of Computer Science Engineering, University of Kota, Kabir Circle (Rajasthan), India.

Dr. R. Balu

Associate Professor, Department of Computr Applications, Bharathiar University, Coimbatore (Tamil Nadu), India.

Dr. S. Suriyanarayanan

Associate Professor, Department of Water and Health, Jagadguru Sri Shivarathreeswara University, Mysuru (Karnataka), India.

Dr. Dinesh Kumar

Associate Professor, Department of Mathematics, Pratap University, Jaipur (Rajasthan), India.

Dr. Sandeep N

Associate Professor, Department of Mathematics, Vellore Institute of Technology, Vellore (Tamil Nadu), India.

Dr. Dharmpal Singh

Associate Professor, Department of Computer Science Engineering, JIS College of Engineering, Kalyani (West Bengal), India.

Dr. Farshad Zahedi

Associate Professor, Department of Mechanical Engineering, University of Texas at Arlington, Tehran, Iran.

Dr. Atishey Mittal

Associate Professor, Department of Mechanical Engineering, SRM University, NCR Campus Meerut Delhi Road Modinagar (Aligarh), India.

Dr. Hussein Togun

Associate Professor, Department of Mechanical Engineering, University of Thiqr, Iraq.

Dr. Shrikaant Kulkarni

Associate Professor, Department of Senior Faculty Vishwakarma Institute of Technology, Pune (M.S.), India.

Dr. Mukesh Negi

Project Manager, Department of Computer Science & IT, Mukesh Negi, Project Manager, Noida (U.P), India.

Dr. Sachin Madhavrao Kanawade

Associate Professor, Department Chemical Engineering, Pravara Rural Education Society's, Sir Visvesvaraya Institute of Technology, Nashik (Maharashtra), India.

Dr. Ganesh S Sable

Professor, Department of Electronics and Telecommunication, Maharashtra Institute of Technology Satara Parisar, Aurangabad (Maharashtra), India.

Dr. T.V. Rajini Kanth

Professor, Department of Computer Science Engineering, Sreenidhi Institute of Science and Technology, Hyderabad (Telangana), India.

Dr. Anuj Kumar Gupta

Associate Professor, Department of Computer Science & Engineering, RIMT Institute of Engineering & Technology, Godindgarh (Punjab), India.

Dr. Hasan Ashrafi- Rizi

Associate Professor, Medical Library and Information Science Department of Health Information Technology Research Center, Isfahan University of Medical Sciences, Isfahan, Iran.

Dr. Golam Kibria

Associate Professor, Department of Mechanical Engineering, Aliah University, Kolkata (West Bengal), India.

Dr. Mohammad Jannati

Professor, Department of Energy Conversion, UTM-PROTON Future Drive Laboratory, Faculty of Electrical Engineering, University of Technology, Malaysia.

Dr. Mohammed Saber Mohammed Gad

Professor, Department of Mechanical Engineering, National Research Center, Cairo, Egypt.

Dr. V. Balaji

Professor, Department of Electronics and Electrical Engineering, Sapthagiri College of Engineering Periyannahalli, (Taluk) Dharmapuri.

Dr. Naveen Beri

Associate Professor, Department of Mechanical Engineering, BEANT College of Engineering & Technology, Gurdaspur (Punjab), India.

Dr. Abdel-Baset H. Mekky

Associate Professor, Department of Physics, Buraydah Colleges Al Qassim / Saudi Arabia.

Dr. T. Abdul Razak

Associate Professor, Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli (Tamil Nadu), India.

Dr. Preeti Singh Bahadur

Associate Professor, Department of Applied Physics Amity University, Greater Noida (U.P.) India.

Dr. Ramadan Elaiees

Associate Professor, Department of Information Studies, Faculty of Arts University of Benghazi, Libya.

Dr. R. Emmaniel

Professor & Head, Department of Business Administration St. Ann's College of Engineering and Technology, Chirala (A.P), India.

Dr. C. Phani Ramesh

Director cum Associate Professor, Department of Computer Science Engineering, PRIST University, Manamai (Tamil Nadu), India.

Dr. Rachna Goswami

Associate Professor, Department of Faculty in Bio-Science, Rajiv Gandhi University of Knowledge Technologies (RGUKT) Krishna (Andhra Pradesh), India.

Dr. Sudhakar Singh

Associate Professor & Head, Department of Physics and Computer Science, Sardar Patel College of Technology, Balaghat (M.P.), India.

Dr. Xiaolin Qin

Associate Professor & Assistant Director of Laboratory for Automated Reasoning and Programming, Chengdu Institute of Computer Applications, Chinese Academy of Sciences, China.

Dr. Maddila Lakshmi Chaitanya

Associate Professor, Department of Mechanical, Pragati Engineering College, Godavari (A.P.), India.

Dr. Jyoti Anand

Assistant Professor, Department of Mathematics, Dronacharya College of Engineering, Gurgaon (Haryana), India.

Dr. Nasser Fegh-hi Farahmand

Associate Professor, Department of Industrial Management, College of Management, Economy and Accounting, Tabriz Branch, Islamic Azad University, Tabriz, Iran

Dr. Ravindra Jilte

Assistant Professor & Head, Department of Mechanical Engineering, Vidyavardhini College of Engineering and Technology, University of Mumbai, Vasai (Maharashtra), India.

Dr. Sarita Gajbhiye Meshram

Research Scholar, Department of Water Resources, Development & Management Indian Institute of Technology, Roorkee (Uttarakhand), India.

Dr. G. Komarasamy

Associate Professor, Senior Grade, Department of Computer Science & Engineering, Bannari Amman Institute of Technology, Sathyamangalam (Tamil Nadu), India.

Dr. P. Raman

Professor, Department of Management Studies, Panimalar Engineering College, Chennai (Tamil Nadu) India.

Dr. M. Anto Bennet

Professor, Department of Electronics & Communication Engineering, Vel-Tech Engineering College, Chennai (Tamil Nadu), India.

Dr. P. Keerthika

Associate Professor, Department of Computer Science & Engineering, Kongu Engineering College, Perundurai (Tamil Nadu), India.

Dr. Santosh Kumar Behera

Associate Professor, Department of Education, Sidho-Kanho-Birsha University, Purulia (West Bengal), India.

Dr. P. Suresh

Associate Professor, Department of Information Technology, Kongu Engineering College Perundurai (Tamil Nadu), India.

Dr. Santosh Shivajirao Lomte

Associate Professor, Department of Computer Science and Information Technology, Radhai Mahavidyalaya, Aurangabad Gymkhana, (Maharashtra), India.

Dr. Altaf Ali Siyal

Professor, Department of Land and Water Management, Sindh Agriculture University Tandojam, Pakistan.

Dr. Mohammad Valipour

Associate Professor, Sari Agricultural Sciences and Natural Resources University, Sari, Iran.

Dr. Prakash H. Patil

Vice Principal and Professor, Department of Electronics and Tele-Communication Engineering, Dr. D.Y. Patil College of Engineering, Pune (Maharashtra), India.

Dr. Smolarek Malgorzata

Associate Professor, Department of Institute of Management and Economics, High School of Humanitas in Sosnowiec, Wyższa Szkoła Humanitas Instytut Zarządzania i Ekonomii ul. Kilińskiego Sosnowiec Poland.

Dr. Umakant Vyankatesh Kongre

Associate Professor, Department of Mechanical Engineering, Jawaharlal Darda Institute of Engineering and Technology, Yavatmal (Maharashtra), India.

Dr. Niranjana S

Associate Professor, Department of Biomedical Engineering, Manipal Institute of Technology (MIT) Manipal University, Manipal (Karnataka), India

Dr. Naseema Khatoon

Associate Professor, Department of Chemistry, Integral University Lucknow (U.P), India.

Dr. P. Samuel

Associate Professor, Department of English, KSR College of Engineering Tiruchengode, Namakkal (Tamil Nadu), India.

Dr. Mohammad Sajid

Associate Professor, Department of Mathematics, College of Engineering Qassim University Buraidah, Al-Qassim Saudi Arabia.

Dr. Sanjay Pachauri

Associate Professor, Department of Computer Science & Engineering, IMS Unison University Makkawala Greens Dehradun (UK). India.

Dr. S. Kishore Reddy

Professor, Department of School of Electrical & Computer Engineering, Adama Science & Technology University, Adama, Ethiopia.

Dr. Muthukumar Subramanyam

Professor, Department of Computer Science & Engineering, National Institute of Technology, Puducherry, India

Dr. Latika Kharb

Associate Professor, Faculty of Information Technology, Jagan Institute of Management Studies (JIMS), Rohini (Delhi), India.

Dr. Kusum Yadav

Associate Professor, Department of Information Systems, College of Computer Engineering & Science Salman bin Abdulaziz University, Saudi Arabia.

Dr. Preeti Gera

Associate Professor, Department of Computer Science & Engineering, Savera Group of Institutions, Gurgaon (Haryana), India.

Dr. Ajeet Kumar

Associate Professor, Department of Chemistry and Biomolecular Science, Clarkson University, Clarkson Avenue, New York.

Dr. M. Jinnah S Mohamed

Associate Professor, Department of Mechanical Engineering, National College of Engineering, Tirunelveli (Tamil Nadu), India.

Dr. Mostafa Eslami

Assistant Professor, Department of Mathematics, University of Mazandaran Babolsar, Iran.

Dr. Akram Mohammad Hassan Elentably

Professor, Department of Economics of Maritime Transport, Faculty of Maritime Studies, King Abdulaziz University, Jeddah, Saudi Arabia.

Dr. Aarti Tolia

Faculty, Prahaldbhai Dalmia Lions College of Commerce & Economics, Mumbai (Maharashtra), India.

Dr. Ramachandra C G

Professor & Head, Department of Marine Engineering, Srinivas Institute of Technology, Mangalore (Karnataka), India.

Dr. G. Anandharaj

Associate Professor, Department of M.C.A, Ganadipathy Tulsi's Jain Engineering College, Vellore (Tamil Nadu), India.

Dr. Najmuddin Ahmad

Associate Professor, Department of Mathematics, Faculty of Applied Science, Integral University, Lucknow (U.P), India.

Dr. Kaikai Xu

Associate Professor, School of Microelectronics and Solid-State Electronics, State Key Laboratory of Electronic Thin Films and Integrated Devices, University of Electronic Science and Technology of China (UESTC), China.

Dr. V. V. Prathibha Bharathi

Associate Professor, Department of Mechanical Engineering, Malla Reddy College of Engineering, Maisammaguda (Telangana), India.

Dr. Smita Selot

Head & Professor, Department of Computer Applications, Shri Shankaracharya College of Engineering and Technology, Bhilai (Chhattisgarh), India.

Dr. S. Balamurugan

Director-Research & Development, Mindnotix Technologies, Coimbatore (Tamil Nadu), India.

Dr. Suresh D. Mane

Professor, Department of Mechanical Engineering, Shaikh College of Engineering & Technology, Belagavi (Karnataka), India.

Dr. Mohmaed Abdel Fattah Ashabrawy

Associate Professor, Reactors Department, Atomic Energy Authority, Egypt – IAM NOW Salman bin Abdulaziz University, Kingdom Saudi Arabia. (KSA)

Dr. Shiv Kumar Verma

Associate Professor, Department of Computer Science & Engineering, University Institute of Engineering Chandigarh University, Gharuan (Punjab), India.

Dr. Mohamed Abd El-Basset Matwalli

Associate Professor, Department of Operations Research & Decision Support System, Faculty of Computers and Informatics, Zagazig University, Egypt.

Dr. Vikas Maheshwari

Associate Professor, Department of Electrical Communication Engineering, Amity University, Gwalior (M.P), India.

Dr. Sudhakara A

Associate Professor, Department of Chemistry, Jain Institute of Technology, Davanagere (Karnataka), India.

Dr. Jammi Ashok

Associate Professor, Department of Electrical and Computer Engineering, Hawassa University, Hawassa, East Africa.

Dr. Mohamed Ashabrawy

Associate Professor, Department of Computer Science, Salman bin Abdulaziz University Kingdom, Saudi Arabia.

Dr. Omer Muhammad Ayoub

Associate Professor, Department of Computer Science, Affected Center Abdullah Sulayman, Al-Fayyaz, Jeddah, KSA Saudi Arabia.

Dr. M. Seenivasan

Associate Professor, Department of Mathematics, Annamalai University, Chidambaram (Tamil Nadu), India.

Dr. S.V.G.V.A. Prasad

Associate Professor, Department of Physics, Ideal College of Arts & Sciences, Kakinada (A.P), India.

Dr. S. Omkumar

Associate Professor, Department of Electronics and Communication Engineering, SCSVMV University, Enathur (Tamil Nadu), India.

Dr. Yousef FARHAOUI

Associate Professor, Department of Computer Science, Faculty of Sciences and Technic, Moulay Ismail University, Boutalamine, Errachidia, Morocco.

Dr. Gutta Sridevi

Associate Professor, Department of Computer Science & Engineering, K L University, Vaddeswaram, Guntur (DT) (A.P.), India.

Dr. Debmalya Bhattacharya

Associate Professor, Department of Electronics & Communication Engineering, University of Technology & Management, Bawri Mansion, Dhankheti (Meghalaya), India.

Dr. K. Harinadha Reddy

Professor, Department of Electrical and Electronics Engineering, L B R College of Engineering, Mylavaram, Krishna (Andhra Pradesh), India.

Dr. C. Gajendran

Associate Professor, Department of Civil Engineering, Karunya Nagar, Karunya University, Coimbatore (Tamil Nadu), India.

Dr. Dibya Prakash Rai

Assistant Professor, Department of Physics, College of Aizawl, Pachhunga University, Mizoram, India.

Dr. Sreenivasa Reddy

Associate Professor, Department of Chemistry, Sri Krishnadevaraya University, Anantapur (A.P.), India.

Dr. P. K. Dhal

Associate Professor, Department of Electrical and Electronics Engineering, Vel Tech Dr. RR & Dr. SR Technical University, Chennai (Tamil Nadu), India.

Dr. M. A. Ashabrawy

Associate Professor, Department of Computer Science, Atomic Energy Authority, Salman bin Abdulaziz University, Al Kharj Saudi Arabia.

Dr. K. Meenakshi Sundaram

Professor & Head, Department of Computer Science, Agnel Institute of Technology and Design, Assagao – Bardez, Goa. India.

Dr. Persis Voola

Associate Professor, Department of Computer Science and Engineering, Adikavi Nannaya University, Rajahmundry (Andhra Pradesh), India.

Dr. Abhijit Banerjee

Associate Professor, Department of Electronics and Instrumentation Engineering, Academy of Technology, Hooghly (West Bengal), India.

Dr. D. Amaranatha Reddy

Associate Professor, Department of Chemistry, Pusan National University, Busan, South Korea.

Dr. A. Heidari

Associate Professor, Department of Chemistry, Postdoctoral Research Fellow, California South University (CSU), Irvine, California, USA.

Dr. Ashwani Kumar Aggarwal

Assistant Professor, Department of Electrical and Instrumentation Engineering, Sant Longowal Institute of Engineering and Technology, Longowal (Punjab), India.

Dr. P. Srinivas

Assistant Professor, Department of Electrical Engineering, University College of Engineering Osmania University, Hyderabad (Telangana), India.

Dr. Sandeep Chettri

DST-SERB, Young Scientist, Department of Physics, Mizoram University, Tanhril, Aizawl (Mizoram), India.

Dr. Elsanosy M. Elamin

Assistant Professor, Department of Electrical and Electronic Engineering, University of Kordofan, Elobeid, (Sudan), North Africa.

Dr. Porag Kalita

Professor & Head, Department of Automobile Engineering, Jorhat (Assam), India.

Dr. T. A. Ashok Kumar

Associate Professor, Department of Computer Science, Christ University, Bengaluru (Karnataka), India.

Dr. Malini M Patil

Associate Professor, Department of Information Science and Engineering, JSS Academy of Technical Education, JSS Campus, Bangalore (Karnataka), India.

Dr. V. Selvan

Associate Professor, Department of Civil Engineering, Sri Ramakrishna Engineering College, Vattamalaipalayam, Coimbatore (Tamil Nadu), India.

Dr. Syed Umar

Associate Professor, Department of Computer Science and Engineering, Koneru Lakshmaiah University, Vaddeswaram (Andhra Pradesh), India.

Dr. Anand Kumar Singh

Associate Professor & HOD, Department of Computer Science & Engineering, Vikrant Institute of Technology & Management, Gwalior, (M.P). India.

Dr. Ajit Kumar Senapati

Associate Professor, Department of Mechanical Engineering, Gandhi Institute of Engineering & Technology Gunupur (Orissa), India.

Dr. Lakshmi Praveen Pogula

Assistant Professor, Department of Physics, Veer Surendra Sai University of Technology, Burla (Odisha), India.

Dr. A. Dinesh Kumar

Assistant Professor & Head, Department of Science & Humanities, Dhanalakshmi Srinivasan Engineering College, Perambalur (Tamil Nadu), India.

Dr. A. Sasi Kumar

Associate Professor, Department of Information Technology, Institution or Company, Vels University, Pallavaram, (Tamil Nadu), India.

Dr. B. N. Chandrashekar

Post Doctoral Scholar, Department of Material Science & Engineering, South University of Science and Technology of China, Shenzhen, China.

Dr. F. Ayca Cetinkaya

Assistant Professor, Department of Mathematics, Mersin University, Mersin, Yenişehir, Yenişehir, Turkey.

Dr. Pavan Agrawal

Associated Professor, Department of Mechanical Engineering, Vikrant Institute of Technology & Management, Gwalior (M.P), India.

Dr. Muhammad Hussein Noure Elahi

Associated Professor, Department of Educational Administration, Science and Research Branch, Islamic Azad University, Tehran. Iran.

Dr. Roozbeh Abedini Nassab

Research Assistant, Department of Mechanical Engineering and Materials Science, Duke University, Durham, North Carolina.

Dr. S. R. Boselin Prabhu

Assistant Professor, Department of Electrical Communication Engineering, SVS College of Engineering, Coimbatore (Tamil Nadu) India.

Dr. Y. Ashok Kumar Reddy

Research Professor, Department of Electrical Engineering, Korea Advanced Institute of Science and Technology, Daejeon, South Korea.

Dr. Ilknur Yesilce

Assistant Professor, Research Assistant, Department of Mathematics, Mersin University, Turkey.

Dr. Jingchao Zhang

Assistant Professor, Holland Computing Center, University of Nebraska-Lincoln, Lincoln.

Dr. Mohamed Abd El-Baset Matwalli

Assistant Professor, Department of Operations Research & Decision Support, Faculty of Computers and Informatics, Zagazig University, Egypt.

Dr. S. R. Boselin Prabhu

Assistant Professor, Department of Electrical Communication Engineering, SVS College of Engineering Coimbatore, Arasampalayam (Tamil Nadu). India.

Dr. Vikram Sharma

Associate Professor & Head, Department of Science and Humanities, RVS College of Engineering and Technology, Jamshedpur (Jharkhand), India.

Dr. Akshey Bhargava

Assistant Professor, Department of Civil Engineering, Global Institute of Engineering and Technology, Melvisharam (Tamil Nadu), India.

Dr. S. Rajkumar

Assistant Professor, Department of Mechanical and Electromechanical Engineering, Hawassa Institute of Technology, Hawassa University, Hawassa, Ethiopia.

Dr. A.V. Senthil Kumar

Professor, Department of Computer Applications, Hindusthan College of Arts and Science College, Coimbatore (Tamil Nadu), India.

Dr. K. Subramanyam

Associate Professor, Department of Physics, Sri Venkateswara University, Tirupati (Andhra Pradesh), India.

Dr. Said Elshahat Abdallah

Associate Professor, Department of Agricultural Engineering, Faculty of Agriculture Kafrelsheikh University, Kafr Elsheikh, Egypt.

Dr. R. Devi Priya

Associate Professor, Department of Information Technology, Kongu Engineering College, Erode (Tamil Nadu), India.

Dr. Abhinav Vidwans

Associate Professor, Department of Computer Science and Engineering, Vikrant Group of Institutions Campus, Morar, Gwalior (M.P.), India.

Dr. A. K. Priya

Associate Professor, Department of Civil Engineering, KPR Institute of Engineering and Technology, Arasur, Coimbatore (Tamil Nadu), India.

Dr. K Ashok Reddy

Associate Professor, Department of Mechanical Engineering, MLR Institute of Technology, Hyderabad (Telangana), India.

Dr. T. V. Surya Narayana

Assistant Professor, Department of Information Technology, Manipal University, SMUDDE, Gangtok (Sikkim), India.

Dr. Srinivasa Raju Rallabandi

Assistant Professor, Department of Mathematics, Gandhi Institute of Technology and Management, Hyderabad (Telangana), India.

Dr. Deepika Garg

Assistant Professor, Department of Applied Science, GD Goenka University, Gurgaon (Haryana), India.

Dr. Girish Madhukar Tere

Assistant Professor, Department of Computer Science, Thakur College of Science and Commerce, Affiliated to University of Mumbai, Mumbai (Maharashtra), India.

Dr. Sameh G.Salem

Associate Professor, Department of Electrical Engineering, Military Technical College, Cairo Governorate, Egypt.

Dr. Abhishek Singh

Associate Professor, Department of Mathematics, African Institute for Agrarian Studies, Amity University, Noida (U.P.), India.

2014

Editor-In-Chief**Dr. Shiv Kumar**

Ph.D. (CSE), M.Tech. (IT, Honors), B.Tech. (IT), IEEE Member

Director, Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd., Bhopal(M.P.), India

Professor, Department of Computer Science & Engineering, Lakshmi Narain College of Technology-Excellence (LNCTE), Bhopal (M.P.), India

Associated Editor-In-Chief**Dr. CheeFai Tan**

Faculty of Mechanical Engineering, University Technical, Malaysia Melaka, Malaysia.

Scientific Editors**Dr. Moinuddin Sarker**

Vice President of Research & Development, Head of Science Team, Natural State Research, Inc., 37 Brown House Road (2nd Floor) Stamford, USA.

Dr. Shanmugha Priya. Pon

Principal, Department of Commerce and Management, St. Joseph College of Management and Finance, Makambako, Tanzania, East Africa, Tanzania

Dr. Guoxiang Liu

Member of IEEE, University of North Dakota, Grand Forks, N.D., USA

Dr. Veronica Mc Gowan

Associate Professor, Department of Computer and Business Information Systems, Delaware Valley College, Doylestown, PA, Allman, China.

Dr. Mohd. Nazri Ismail

Professor, System and Networking Department, Jalan Sultan Ismail, Kuala Lumpur, Malaysia

Dr. Fadiya Samson Oluwaseun

Assistant Professor, Girne American University, as a Lecturer & International Admission Officer (African Region) Girne, Northern Cyprus, Turkey.

Dr. Kakoli Das

Principal Engineer, Globalfoundries, New York, USA

Dr. M. Madijagan

BITS Pilani, Dubai Campus, DIAC, Dubai, United Arab, UAE

Dr. Pavol Tanuska

Associate Professor, Department of Applied Informatics, Automation, and Mathematics, Trnava, Slovakia

Dr. Robert Brian Smith

International Development Assistance Consultant, Department of AEC Consultants Pty Ltd, AEC Consultants Pty Ltd, Macquarie Centre, North Ryde, New South Wales, Australia

Dr. Durgesh Mishra

Chairman, IEEE Computer Society Chapter Bombay Section, Chairman IEEE MP Subsection, Professor & Dean (R&D), Acropolis Institute of Technology, Indore (M.P.), India

Dr. Sandra De Iaco

Professor, Dip.to Di Scienze Dell'Economia-Sez. Matematico-Statistica, Italy

Executive Editors**Dr. Yu Qi**

Department of Computer Science, 30 Montgomery Street, Jersey, NJ, USA.

Dr. Vahid Nourani

Professor, Faculty of Civil Engineering, University of Tabriz, Iran.

Prof.(Dr.) Anuranjan Misra

Professor & Head, Department of Computer Science & Engineering and Information Technology, Noida International University, Noida (U.P.), India.

Dr. TOFAN Cezarina Adina

Associate Professor, Department of Sciences Engineering, Spiru Haret University, Arges, Romania.

Dr. Deepak Garg

Professor, Department of Computer Science and Engineering, Thapar University, Patiala (Punjab), India, Senior Member of IEEE, Secretary of IEEE Computer Society (Delhi Section), Life Member of Computer Society of India (CSI), Indian Society of Technical Education (ISTE), Indian Science Congress Association Kolkata.

Dr. Dinesh Varshney

Director of College Development Counseling, Devi Ahilya University, Indore (M.P.), Professor, School of Physics, Devi Ahilya University, Indore (M.P.), and Regional Director, Madhya Pradesh Bhoj (Open) University, Indore (M.P.), India

Dr. Saber Mohamed Abd-Allah

Associate Professor, Department of Biochemistry, Shanghai Institute of Biochemistry and Cell Biology, Shanghai, China.

Dr. Xiaoguang Yue

Associate Professor, Department of Computer and Information, Southwest Forestry University, Kunming (Yunnan), China.

Dr. Labib Francis Gergis Rofaiel

Associate Professor, Department of Digital Communications and Electronics, Misr Academy for Engineering and Technology, Mansoura, Egypt.

Dr. Ravindra Prakash Gupta

Principal, Maharishi Arvind College of Engineering and Research Center, Jaipur (Rajasthan), India.

Dr. Hugo A.F.A. Santos

ICES, Institute for Computational Engineering and Sciences, The University of Texas, Austin, USA.

Dr. D. S. R. Murthy

Professor, Department of Information Technology, Sree Nidhi Institute of Science and Technology Yamnampet, Hyderabad (A.P.), India.

Dr. P. Raviraj

Professor & Head, Department of Computer Science & Engineering, Kalaignar Karunanidhi Institute of Technology, Coimbatore (Tamil Nadu), India.

Dr. Kapil Kumar Bansal

Head (Research and Publication), SRM University, Gaziabad (U.P.), India.

Dr. T. C. Manjunath

Principal & Professor, HKBK College of Engineering, Nagawara, Bengaluru (Karnataka), India.

Dr. Kosta Yogeshwar Prasad

Director, Technical Campus, Marwadi Education Foundation's Group of Institutions Gauridad, Rajkot (Gujarat), India.

Dr. P. Dananjayan

Professor, Department of Electrical Communication Engineering, Pondicherry Engineering College, Pondicherry (Tamil Nadu), India.

Advisory Chair**Dr. Uma Shanker**

Professor & Head, Department of Mathematics, Chouksey Engineering College, Bilaspur (C.G.), India.

Dr. Rama Shanker

Professor & Head, Department of Statistics, Eritrea Institute of Technology, Asmara, Eritrea.

Dr. Vinita Kumari

Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd., India

Dr. Sadhana Vishwakarma

Associate Professor, Department of Chemistry, Technocrat Institute of Technology, Bhopal (M.P.), India.

Dr. Kamal Mehta

Associate Professor, Department of Computer Engineering, Institute of Technology, NIRMA University, Ahmedabad (Gujarat), India.

Dr. Suresh Babu Perli

Professor & Head, Department of Electrical and Electronic Engineering, Narasaraopeta Engineering College, Guntur (A.P.), India.

Dr. Binod Kumar

Associate Professor, School of Engineering and Computer Technology, Faculty of Integrative Sciences and Technology, Quest International University, Ipoh, Perak, Malaysia.

Dr. Chiladze George

Professor, Faculty of Law, Akhaltsikhe State University, Tbilisi University, Georgia.

Dr. Kavita Khare

Professor, Department of Electronics & Communication Engineering, MANIT, Bhopal (M.P.), India.

Dr. C. Saravanan

Associate Professor (System Manager) & Head, Computer Center, NIT, Durgapur (W.B), India.

Dr. S. Saravanan

Professor, Department of Electrical and Electronics Engineering, Muthayamal Engineering College, Resipuram (Tamilnadu), India.

Dr. Amit Kumar Garg

Professor & Head, Department of Electronics and Communication Engineering, Maharishi Markandeshwar University, Mullana Ambala (Haryana), India.

Dr. Kamal K Mehta

Associate Professor, Department of Computer Engineering, Institute of Technology, NIRMA University, Ahmedabad (Gujarat), India.

Dr. Sahab Singh

Associate Professor, Department of Management Studies, Dronacharya Group of Institutions, Greater Noida (U.P), India.

Dr. Umesh Kumar

Principal, Govt Women Poly, Ranchi (Jharkhand), India.

Dr. Jaswant Singh Bhomrah

Director, Department of Profit Oriented Technique, Navsari (Gujarat), India.

Technical Chair

Dr. Mohd. Husain

Director. MG Institute of Management & Technology, Banthara, Lucknow (U.P.), India.

Dr. T. Jayanthi

Principal, Panimalar Institute of Technology, Chennai (TN), India.

Dr. Umesh A.S.

Director, Technocrats Institute of Technology & Science, Bhopal (M.P.), India.

Dr. B. Kanagasabapathi

Infosys Labs, Infosys Limited, Center for Advance Modeling and Simulation, Infosys Labs, Infosys Limited, Electronics City, Bangalore, India.

Dr. C.B. Gupta

Professor, Department of Mathematics, Birla Institute of Technology & Sciences, Pilani (Rajasthan), India.

Dr. Jaydeb Bhaumik

Associate Professor, Department of Electronics & Communication Engineering, Haldia Institute of Technology, Haldia (Bengal), India.

Dr. Rajesh Das

Associate Professor, School of Applied Sciences, Haldia Institute of Technology, Haldia (West Bengal), India.

Dr. Mrutyunjaya Panda

Professor & Head, Department of EEE, Gandhi Institute for Technological Development, Bhubaneswar, Odisha, India

Dr. Mohd. Nazri Ismail

Associate Professor, Department of System and Networking, University of Kuala (UniKL), Kuala Lumpur, Malaysia.

Dr. Haw Su Cheng

Faculty of Information Technology, Multimedia University (MMU), Jalan Multimedia (Cyberjaya), Malaysia.

Dr. Hossein Rajabalipour Cheshmehgaz

Department of Industrial Modeling and Computing, Faculty of Computer Science and Information Systems, Universiti Teknologi Malaysia (UTM) 81310, Skudai, Malaysia.

Dr. Sudhinder Singh Chowhan

Associate Professor, Institute of Management and Computer Science, NIMS University, Jaipur (Rajasthan), India.

Dr. Neeta Sharma

Professor & Head, Department of Communication Skills, Technocrat Institute of Technology, Bhopal (M.P.), India.

Dr. Ashish Rastogi

Associate Professor, Department of CS & IT, Guru Ghansi Das University, Bilaspur (C.G.), India.

Dr. Santosh Kumar Nanda

Professor, Department of Computer Science and Engineering, Eastern Academy of Science and Technology (EAST), Khurda (Orisa), India.

Dr. Hai Shanker Hota

Associate Professor, Department of CSIT, Guru Ghansi Das University, Bilaspur (C.G.), India.

Dr. Sunil Kumar Singla

Professor, Department of Electrical and Instrumentation Engineering, Thapar University, Patiala (Punjab), India.

Dr. A. K. Verma

Professor, Department of Computer Science and Engineering, Thapar University, Patiala (Punjab), India.

Dr. Mohd. Ali Hussain

Professor, Department of Computer Science and Engineering, Sri Sai Madhavi Institute of Science & Technology, Rajahmundry (A.P.), India.

Dr. Sunil Mishra

Associate Professor, Department of Communication Skills (English), Dronacharya College of Engineering, Farrukhnagar, Gurgaon (Haryana), India.

Dr. VS Giridhar Akula

Professor, Avanthi's Research & Technological Academy, Gunthapally, Hyderabad (Andhra Pradesh), India.

Dr. S. Satyanarayana

Associate Professor, Department of Computer Science and Engineering, KL University, Guntur (Andhra Pradesh), India.

Dr. Bhupendra Kumar Sharma

Associate Professor, Department of Mathematics, KL University, BITS Pilani (Rajasthan), India.

Dr. Praveen Agarwal

Associate Professor & Head, Department of Mathematics, Anand International College of Engineering, Jaipur (Rajasthan), India.

Dr. Manoj Kumar

Professor, Department of Mathematics, Rashtriya Kishan Post Graduate Degree, College, Shamli (U.P.), India.

Dr. Shaikh Abdul Hannan

Associate Professor, Department of Computer Science, Vivekanand Arts Sardar Dalipsing Arts and Science College, Aurangabad (Maharashtra), India.

Dr. K.M. Pandey

Professor, Department of Mechanical Engineering, National Institute of Technology, Silchar (Assam), India.

Dr. Biswajit Chakraborty

MECON Limited, Research and Development Division (A Govt. of India Enterprise), Ranchi (Jharkhand), India.

Dr. D. V. Ashoka

Professor & Head, Department of Information Science & Engineering, SJB Institute of Technology, Kengeri (Bangalore), India.

Dr. Sasidhar Babu Suvanam

Professor & Academic Coordinator, Department of Computer Science & Engineering, Sree Narayana Gurukulam College of Engineering, Kadayiuruppu (Kerala), India.

Dr. C. Venkatesh

Professor & Dean, Faculty of Engineering, EBET Group of Institutions, Kangayam, Erode, Caimbatore (Tamil Nadu), India.

Dr. Nilay Khare

Associate Professor & Head, Department of Computer Science, Maulana Azad National Institute of Technology, Bhopal (M.P.), India.

Dr. Yaduvir Singh

Associate Professor, Department of Computer Science & Engineering, Ideal Institute of Technology, Govindpuram Ghaziabad, Lucknow (U.P.), India

Dr. Angela Amphawan

Head of Optical Technology, School of Computing, Universiti Utara Malaysia (Kedah), Malaysia.

Dr. Ashwini Kumar Arya

Associate Professor, Department of Electronics & Communication Engineering, Faculty of Engineering and Technology, Graphic Era

University, Dehradun (Uttarakhand), India.

Dr. Yash Pal Singh

Director, Department of Electronics & Communication Engineering, KLS Institute of Engineering & Technology, KLSIET, Chandok, Bijnor (U.P.), India.

Dr. Ashish Jain

Associate Professor, Department of Computer Science & Engineering, Accurate Institute of Management & Technology, Gr. Noida (U.P.), India.

Dr. Abhay Saxena

Associate Professor & Head, Department. of Computer Science, Dev Sanskriti University, Haridwar, Uttarakhand, India

Dr. Judy. M.V

Associate Professor & Head, Department of CS & IT, Amrita School of Arts and Sciences, Amrita Vishwa Vidyapeetham, Edapally, (Kerala), India.

Dr. Sangkyun Kim

Professor, Department of Industrial Engineering, Kangwon National University, Gangwondo, Korea.

Dr. Sanjay M. Gulhane

Professor, Department of Electronics & Telecommunication Engineering, Jawaharlal Darda Institute of Engineering & Technology, Yavatmal (Maharashtra), India.

Dr. K.K. Thyagarajan

Principal & Professor, Department of Informational Technology, RMK College of Engineering & Technology, Thiruyallur (Tamil Nadu), India.

Dr. P. Subashini

Associate Professor, Department of Computer Science, Coimbatore (Tamil Nadu), India.

Dr. G. Srinivasrao

Professor, Department of Mechanical Engineering, RVR & JC, College of Engineering, Chowdavaram, Guntur (Andhra Pradesh), India.

Dr. Rajesh Verma

Professor, Department of Computer Science & Engineering & Information Technology, Kurukshetra Institute of Technology & Management, Kurukshetra (Haryana), India.

Dr. Pawan Kumar Shukla

Associate Professor, Satya College of Engineering & Technology, Haryana, India.

Dr. U C Srivastava

Associate Professor, Department of Applied Physics, Amity Institute of Applied Sciences, Amity University, Noida (U.P), India.

Dr. Reena Dadhich

Professor & Head, Department of Computer Science and Informatics, MBS MArg, Near Kabir Circle, University of Kota (Rajasthan), India.

Dr. Aashis.S.Roy

Department of Materials Engineering, Indian Institute of Science, Bangalore (Karnataka), India.

Dr. Sudhir Nigam

Professor & Principal, Department of Civil Engineering, Lakshmi Narain College of Technology and Science, Bhopal, (M.P.), India.

Dr. S. Senthil Kumar

Doctorate, Department of Center for Advanced Image and Information Technology, Division of Computer Science and Engineering, Graduate School of Electronics and Information Engineering, Chon Buk National University Deok Jin-Dong, Jeonju, Chon Buk, 561-756, South Korea.

Dr. Gufran Ahmad Ansari

Associate Professor, Department of Information Technology, College of Computer, Qassim University, Al-Qassim, Kingdom of Saudi Arabia (KSA).

Dr. R.Navaneethakrishnan

Associate Professor, Department of MCA, Bharathiyar College of Engineering and Technology, Thiruvettakudy (Puducherry), India.

Dr. Hossein Rajabalipour Cheshmejjaz

Industrial Modeling and Computing Department, Faculty of Computer Science and Information Systems, University Teknologi Skudai, Malaysia.

Dr. Veronica McGowan

Associate Professor, Department of Computer and Business Information Systems, Delaware Valley College, Doylestown, PA, Allman China.

Dr. Sanjay Sharma

Associate Professor, Department of Mathematics, Bhilai Institute of Technology, Durg (Chhattisgarh), India.

Dr. Taghreed Hashim Al-Noor

Professor, Department of Chemistry, Ibn-Al-Haitham Education for Pure Science College, University of Baghdad, Iraq.

Dr. Madhumita Dash

Professor, Department of Electronics & Telecommunication, Orissa Engineering College, Bhubaneswar (Odisha), India.

Dr. Anita Sagadevan Ethiraj

Associate Professor, Department of Centre for Nanotechnology Research (CNR), School of Electronics Engineering (Sense), Vellore Institute of Technology (VIT) University, (Tamil Nadu), India.

Dr. Sibasis Acharya

Project Consultant, Department of Metallurgy & Mineral Processing, Midas Tech International, Jindalee (Queensland), Australia.

Dr. Neelam Ruhil

Professor, Department of Electronics & Computer Engineering, Dronacharya College of Engineering, Gurgaon (Haryana), India.

Dr. Faizullah Mahar

Professor, Department of Electrical Engineering, Balochistan University of Engineering and Technology, Pakistan.

Dr. K. Selvaraju

Head, PG & Research, Department of Physics, Kandaswami Kandars College (Govt. Aided), Namakkal (Tamil Nadu), India.

Dr. M. K. Bhanarkar

Associate Professor, Department of Electronics, Shivaji University, Kolhapur (Maharashtra), India.

Dr. Sanjay Hari Sawant

Professor, Department of Mechanical Engineering, Dr. J. J. Magdum College of Engineering, Jaysingpur (Maharashtra), India.

Dr. Arindam Ghosal

Professor, Department of Mechanical Engineering, Dronacharya Group of Institutions, Noida (U.P) India.

Dr. M. Chithirai Pon Selvan

Assistant Professor, Department of Mechanical Engineering, Amity University, Dubai, UAE.

Dr. S. Sambhu Prasad

Professor & Principal, Department of Mechanical Engineering, Pragati College of Engineering, Surampalem (Andhra Pradesh), India.

Dr. Muhammad Attique Khan Shahid

Professor of Physics & Chairman, Department of Physics, Advisor (SAAP) at Government Post Graduate College of Science, Faisalabad.

Dr. Kuldeep Pareta

Professor & Head, Department of Remote Sensing/GIS & NRM, New Delhi, India.

Dr. Th. Kiranbala Devi

Associate Professor, Department of Civil Engineering, Manipur Institute of Technology, Takyelpat (Manipur), India.

Dr. Nirmala Mungamuru

Associate Professor, Department of Computing, School of Engineering, Adama Science and Technology University, Ethiopia.

Dr. Srilalitha Girija Kumari Sagi

Associate Professor, Department of Management, Gandhi Institute of Technology and Management, Visakhapatnam (Andhra Pradesh) India.

Managing Chair**Mr. Jitendra Kumar Sen**

International Journal of Engineering and Advanced Technology (IJEAT)

Reviewer Chair**Dr. Saeed Balochian**

Associate Professor, Gonaabad Branch, Islamic Azad University, Gonabad, Iran.

Dr. Mongey Ram

Associate Professor, Department of Mathematics, Graphics Era University, Dehradun (Uttarakhand), India.

Dr. Arupratan Santra

Sr. Project Manager, Infosys Technologies Ltd, Hyderabad (A.P.), India.

Dr. Ashish Jolly

Dean, Department of Computer Applications, Guru Nanak Khalsa Institute & Management Studies, Yamuna Nagar (Haryana), India.

Dr. Israel Gonzalez Carrasco

Associate Professor, Department of Computer Science, Universidad Carlos III de Madrid, Leganes (Madrid), Spain.

Dr. Khushali Menaria

Associate Professor, Department of Bio-Informatics, Maulana Azad National Institute of Technology (MANIT), Bhopal (M.P.), India.

Dr. R. Sukumar

Professor, Sethu Institute of Technology, Pulloor, (Tamil Nadu), India.

Dr. Cherouat Abel

Professor, University of Technology, Troyes, France.

Dr. Rinkle Aggrawal

Associate Professor, Department of Computer Science and Engineering, Thapar University, Patiala (Punjab), India.

Dr. Parteek Bhatia

Associate Professor, Department of Computer Science & Engineering, Thapar University, Patiala (Punjab), India.

Dr. Manish Srivastava

Professor & Head, Department of Computer Science and Engineering, Guru Ghasidas Central University, Bilaspur (C.G.), India.

Dr. Pratosh Bansal

Associate Professor, Department of Information Technology, Institute of Engineering and Technology, Devi Ahilya Vishwavidyalaya, Indore (M.P.), India.

Dr. Pouya Derakhshan Barjoei

Associate Professor, Department of Electrical and Computer Engineering, Islamic Azad University, Naein Branch, Iran.

Dr. Subrata Bhowmik

Technical University of Denmark, Lyngby, Denmark.

Dr. Ashraf Hossain

Associate Professor, Department of Electronics & Communication Engineering, Aliah University, Kolkata (W.B), India.

Dr. A. Subramani

Professor, Department of MCA, K.S.R. College of Engineering, Tiruchengode (Tamil Nadu), India.

Dr. K. Ramesh Kumar

Associate Professor, Department of Information Technology, Hindustan University, Chennai (Tamil Nadu), India.

Dr. Jatinder Kumar R. Saini

Associate Professor & Head, Department of Computer Science, Sankalchand Patel College of Engineering, Visnagar (Gujrat), India.

Dr. Sanchayan Mukherjee

Associate Professor, Department of Mechanical Engineering, Kalyani Government Engineering College, Kalyani University, Kalyani (West Bengal), India.

Dr. Tapanendu Kamilya

Associate Professor, Department of Physics, Narajole Raj College, Narajole (West Bengal), India.

Dr. A. K. Malik

Associate Professor, Department of Mathematics, B K Birla Institute of Engineering & Technology, Pilani (Rajasthan), India.

Dr. P. Sandhya Joshi

Associate Professor, Department of Computer Science, Amrita Vishwa Vidayapeetham University, Mysore (Karnataka), India.

Dr. Jayashri Vajpai

Associate Professor, Department of Electrical Engineering, J.N.V. University, Jodhpur (Rajasthan), India.

Dr. Sam Emmanuel W R

Associate Professor, Department of Computer Science, Nesamony Memorial Christian College, Marthandam (TN), India.

Dr. Sanjay Babarao Warkad

Associate Professor, Department of Electrical Engineering, Priyadarshini College of Engineering, Nagpur (Maharashtra), India.

Dr. Ahmed Nabih Zaki Rashed

Associate Professor, Department of Electronics and Electrical Communication Engineering, Menoufia University, Menoufia, Egypt.

Dr. Deepali Virmani

Associate Professor, Department of Computer Science & Engineering, Bhagwan Parshuram Institute of Technology, GGSIPU, Rohini (Delhi), India.

Dr. M. Subba Rao

Professor, Department of Information Technology, Annamacharya Institute of Technology and Sciences, Kadapa (Andhra Pradesh), India.

Dr. K.V.L.N. Acharyulu

Professor, Faculty of Science, Department of Mathematics, Bapatla Engineering College, Bapatla (Andhra Pradesh), India.

Dr. Remisetti Rajeswara Rao

Professor & Haed, Department of Computer Science and Engineering, Mahatma Gandhi Institute of Technology, Gandipet (Hyderabad), India.

Dr. R.R. Mudholkar

Associate Professor, Department of Electronics, Shivaji University, Kodhapu (Maharashtra), India.

Dr. Rajesh Kumar U. Sambhe

Associate Professor & Head, Department of Mechanical Engineering Workshop, Jawaharlal Dard Institute of Engineering and Technology, Yavatmal (Maharashtra), India.

Dr. A. Indra

Senior General Manager, Department of Space, Control Centre and Computer Facilities, ISRO Telemetry, Tracking and Command Network, Bangalore (Karnataka), India.

Dr. M. Sasikumar

Professor, Department of Electronics and Electrical Engineering, Jeppiaar Engineering College, Chennai (Temil Nadu), India.

Dr. Syed Asfandyar Gilani

Research Associate at SCIT Lab, Lahore, Pakistan.

Dr. VPS Naidu

Scientist, MSDF Lab, CSIR-NAL, Bangalore (Karnataka), India.

Dr. Kamal K. Mandal

Associate Professor, Department of Power Engineering, Jadavpur University, Salt Lake Campus, Kolkata (West Bengal), India.

Dr. G. Sreedhar

Associate Professor, Department of Computer Science, Rashtriya Sanskrit Vidyapeetha (Deemed University), Tirupati, (A.P), India.

Dr. B. Muthukumar

Associate Professor, Department of Information Technology, Kathir College of Engineering, Neelambur, Coimbatore (Tamil Nadu), India.

Dr. V. Nagarajan

Professor & Head, Department of Electrical and Electronics Engineering, Sona College of Technology, Salem (Tamil Nadu), India.

Dr. R. Arulmozhiyal

Associate Professor, Department of Electronics and Communication Engineering, Adhiparasakthi College of Engineering, Villupuram (Tamil Nadu), India.

Dr. R. Harikumar

Professor, Department of Electronics and Communication Engineering, Bannari Amman Institute of Technology, Sathyamangalam (Tamil Nadu), India

Dr. Anand Kumar

Professor & Head, Department of MCA, M.S. Engineering College, Bangalore (Karnataka), India.

Dr. Mohamed Rahayem

School of Science and Technology, Karlavägen (Karlskoga), Sweden.

Dr. P.T.V. Bhuvaneshwari

Associate Professor, Department of Electronics Engineering, Madras Institute of Technology Anna University, Chennai (Tamil Nadu), India.

Dr. Mangey Ram

Associate Professor, Department of Mathematics, Graphic Era University, Dehradun (Uttarakhand), India.

Dr. Sarika Jain

Assistant Professor, Department of Computer Applications, National Institute of Technology, Kurukshetra (Haryana), India.

Dr. Adri Jovin J.J.

Associate Professor, Department of Computer Science & Engineering, Sri Narayana Guru Institute of Technology, Coimbatore (Tamil Nadu), India.

Dr. V. Kumar Chinnaiyan

Professor & Head, Department of Electrical and Electronics, Jansons Institute of Technology, Coimbatore (Tamil Nadu), India.

Dr. T. Pearson

Professor, Department of Electronics and Communication Engineering, SMK Fomra Institute of Technology, Anna Nagar (Chennai), India.

Dr. Indu Verma

Professor, Department of Physics, University of Lucknow (U.P.), India.

Dr. Pravin P Patil

Associate Professor, Department of Mechanical Engineering, Graphic Era University, Dehradun (Uttarakhand), India.

Dr. Surendra Yadav

Professor, Department of Computer Science and Engineering, Dreen Avenue, Jaipur (Rajasthan), India.

Dr. K. Sivakumar

Assoc. Professor, Department of Computer Applications, SNMV College of Arts & Science, Coimbatore (Tamil Nadu), India.

Dr. Lazar Stosic

College for Professional Studies Educators, Aleksinac, Serbia, Europe.

Dr. Ashu Gupta

Associate Professor, Department of Computer Applications, Apeejay Institute of Management Technical Campus, Jalandhar (Punjab), India.

Dr. T. Logeswari

Associate Professor, Department of MCA, Dr. N.G.P. Institute of Technology, Coimbatore (Tamil Nadu), India.

Dr. Nurul Fadly Habidin

Department of Management, Faculty of Management and Economics, Universiti Pendidikan Sultan Idris, Perak.

Dr. S. Manikandan

Dean, Department of Electronics and Communication Engineering, VKS College of Engineering and Technology, Karur (Tamil Nadu), India.

Dr. S. Sasikumar

Department of Electronics and Communication Engineering, Jayaram College of Engineering and Technology, Tiruchirappalli (Tamil Nadu), India.

Dr. Mojtaba Moradi

Associate Professor, Department of Statistics, Faculty of Mathematical Sciences, University of Guilan, Rasht, Iran.

Dr. Neeraj Kumar

Associate Professor, Department of Applied Sciences & Humanities, IIMT Engineering College, Meerut (U.P.), India.

Dr. T. V. Suryanarayana

Associate Professor, Department of ECM, K L University, Green Fields, Vaddeswaram, Guntur (A.P.), India.

Dr. Yaswanth Kumar Avulapati

Department of Computer Science, S.V.U. College of CM & CS, S.V. University, Tirupati (A.P.), India.

Dr. N Dinesh Kumar

Professor, Department of Electronics & Instrumentation, Vignan Institute of Technology and Science, Nalgonda (Telangana), India.

Dr. Deepshikha Bhargava

Associate Professor & Head, Department of Information Technology, Amity University, Jaipur (Rajasthan), India.

Dr. Dinesh Sharma

Associate Professor, Department of Electronics and Communication Engineering, DAV College of Engineering & Technology, Kanina (HR), India.

Dr. Aginam, Chukwurah Henry

Department of Civil Engineering/Structural Engineering, Nnamdi Azikiwe University, Awka, Anambra, Nigeria.

Dr. Messaouda AZZOUZI

Associate Professor, Department of Sciences and Technologies, Djelfa, Algeria.

Dr. Remica Aggarwal

Associate Professor, Department of Management, Birla Institute of Technology and Science, Pilani (Rajasthan), India.

Dr. Dinesh Chandra Jain

Associate Professor, Department of Computer Science & Engineering, Shri Vaishnav Institute of Technology and Science, Indore (M.P.), India.

Dr. Vu Truong Vu

Department of Civil Engineering, Ho Chi Minh City University of Transport, Faculty of Civil Engineering, Binh Thanh, Vietnam.

Dr. Muhammad Farhan

Department of Mathematical Models & Travel Demand Forecasting, Wasatch Front Regional Council, USA.

Dr. S. Sumathi

Professor, Department of Electrical and Electronics Engineering, Vinayaka Mission's Kirupananda Variyar Engineering College, Salem (Tamil Nadu), India.

Dr. G. Subramanya Nayak

Associate Professor, Department of Electronics & Communication Engineering, Manipal Institute of Technology, Manipal University, Manipal (Karnataka), India.

Dr. R. Balamurugan

Professor, Department of Electrical and Electronics Engineering, KSR College of Technology, Tiruchengode (Tamil Nadu), India.

Dr. Ganesh Kumar T

Department of Computer Science and Engineering, Manonmaniam Sundaranar University, Tirunelveli (Tamil Nadu), India.

Dr. K. Siva Rama Krishna

Associate Professor, Department of Civil Engineering, Gitam University, Visakhapatnam (Andhra Pradesh), India.

Dr. P. Sanjeevi Kumar

Associate Professor, Department of Electrical Engineering, Bharathi Street (Puducherry), India.

Dr. DALAH Mohamed

Professor, Department of Mathematics, Faculty of Sciences, University of Constantine, Algeria.

Dr. Shoukat Ali

Professor, Department of Mathematics, Govt. Engineering College Bikaner, Bikaner (Rajasthan), India.

Dr. Vijay K Chaudhari

Professor & Head, Department of Information Technology, Truba Institute of Engineering and Technology, Bhopal (M.P.), India.

Dr. Ricardo Rodriguez Jorge

Associate Professor, Technological University of Ciudad Juarez.

Dr. N. Venkatesan

Associate Professor, Department of IT, Bharathiyar College of Engineering and Technology, Thiruvettakudy (Puducherry), India.

Dr. Syed Umar

Associate Professor, Department of ECM, Koneru Lakshmaiah Education Foundation, Guntur (A.P.), India.

Dr. Manoranjan Pradhan

Professor, Department of Computer Science and Engineering, Gandhi Institute for Technological Advancement, Badaragunathpur (Odisha),

India.

Dr. H. S. Behera

Associate Professor, Department of Computer Science and Engineering, Veer Surendra Sai University of Technology, Burla, Sambalpur (Odisha), India.

Dr. Sunil Kumar

Associate Professor, Department of Mathematics, National Institute of Technology, Jharkhand, India.

Dr. Shrikant Tiwari

Associate Professor, Department of Computer Science & Engineering, Shri Shankaracharya Group of Institutions, Chattisgarh, India.

Dr. Ahmed AbdAllah Hassan

Associate Professor, Department of Computer Science and Information, Community College, Taibah University, Al Medina Al Munawara, Saud Arabia.

Dr. Vijay H Mankar

Associate Professor, Department of Electronics and Telecommunication, Govt. Poly Technique, Nagpur (Maharashtra), India.

Dr. Govindaraj Thangavel

Professor & Head, Department of Electronics and Electrical Engineering, Muthayammal Engineering College, Namakkal (Tamil Nadu), India.

Dr. Satish Kumar Peddapelli

Associate Professor, Department of Electrical Engineering, University College of Engineering, Osmania University, Hyderabad (Andhra Pradesh), India.

Dr. Kola Satya Narayana

Pragati Engineering College, East Godavari (Andhra Pradesh), India.

Dr. Pankaj Kumar Sharma

Associate Professor, Department of Electronics and Communication Engineering, Moradabad Institute of Technology, Moradabad (U.P.), India.

Dr. Shaikh Abdul Hannan

Associate Professor, Department of Computer Science, Vivekanand Arts Sardar Dalipsing Arts and Science College, Aurangabad (Maharashtra), India.

Dr. Om Prakash Singh

Associate Professor, School of Engineering, Indian Institute of Technology (IIT) Mandi, Mandi (Himachal Pradesh), India.

Dr. JatinderKumar R. Saini

Associate Professor & Head, Department of Computer Science, Sankalchand Patel College of Engineering, Mehsana (Gujrat), India.

Dr. G. R. Rameshkumar

Senior Lecturer, Department of Mechanical & Industrial Engineering, Caledonian College of Engineering, SEEB, Oman.

Dr. K.S. Zakiuddin

Dean Academics, Professor & Head, Department of Mechanical Engineering, Priyadarshini College of Engineering, Nagpur Maharashtra, India.

Dr. Kamal K Mandal

Associate Professor & Ex-Head, Department of Power Engineering, Jadavpur University, Salt Lake Campus, Kolkata (West Bengal), India.

Dr. Satyanarayana

Professor, Department of Biomedical Engineering, Director of Research, Orthopaedic Surgery, Wayne State University, Bioengineering Center, Michigan, USA.

Dr. Chitra Dhawale

Department of M.C.A , P. R. Patil Group of Educational Institutes, Amravati (Maharashtra), India.

Dr. Abdul Mutalib Leman

Associate Professor, Faculty of Mechanical and Manufacturing Engineering, University Tun Hussein Onn Malaysia, Malaysia.

Dr. Ashis Banerjee

400 Stone Break Extension, Malta, NY 12020, USA.

Dr. B. L Dhananjaya

Associate Professor, School of Chemical and Biotechnology (SCBT), SASTRA University, Thirumalaisamudram (Tamil Nadu), India.

Dr. S. Kishore Reddy

Associate Professor, Department of Electronics & Communication Engineering, Swarna Bharathi College of Engineering, Khammam (Andhra Pradesh), India.

Dr. Rajesh Singh

Head, Institute of Robotics Technology, University of Petroleum and Energy Studies, Dehradun (Uttarakhand), India.

Dr. Binay Kumar

Associate Professor, Department of Applied Science, Dronacharya College of Engineering, Gurgaon (Delhi), India.

Dr. V. Sekar

Professor, Department of Electronics and Electrical Engineering, Principal Dhanalakshmi Srinivasan Institute of Technology, Samayapuram (Tamil Nadu), India.

Dr. S. Prabu

Associate Professor, Department of Computing Science and Engineering, VIT University Vellore (Tamil Nadu), India.

Dr. Mohammad Israr

Principal, Department of Mechanical Engineering, Balaji Engineering College Junagadh (Gujarat) India.

Dr. A. Siva Kumar

Professor & Head, Department of Mechanical Engineering, MLR Institute of Technology, Dundigal (Hyderabad), India.

Dr. Joydip Sengupta

Assistant Professor & Head, Department of Electronic Science, Jogesh Chandra Chaudhuri College (Affiliated to University of Calcutta), Kolkata (West Bengal), India.

Dr. B. P. Ladgaonkar

Associate Professor & Head, Department of Electronics, Shankarrao Mohite Mahavidyalaya, Akulj (Maharashtra), India.

Dr. E. Mohan

Professor & Head, Department of Computer Science and Engineering, Pallavan College of Engineering, Kanchipuram (Tamilnadu), India.

Dr. M. Shanmuga Priya

Associate Professor, Department of Biotechnology, MVJ College of Engineering, Bangalore (Karnataka), India.

Dr. Leena Jain

Associate Professor & Head, Department of Computer Applications, Global Institute of Management & Emerging Technologies, Amritsar (Punjab), India.

Dr. S.S.S.V Gopala Raju

Professor, Department of Civil Engineering, GITAM School of Technology, GITAM, University, Hyderabad (Andhra Pradesh), India.

Dr. Ani Grubisic

Department of Computer Science, Teslina 12, 21000 split, Croatia.

Dr. Ashish Paul

Associate Professor, Department of Basic Sciences (Mathematics), Assam Don Bosco University, Guwahati (Assam), India.

Dr. Sivakumar Durairaj

Professor, Department of Civil Engineering, Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Chennai (Tamil Nadu), India.

Dr. Rashmi Nigam

Associate Professor, Department of Applied Mathematics, University Institute of Technology RGPV, Bhopal, (M.P.), India.

Dr. Mu-Song Chen

Associate Professor, Department of Electrical Engineering, Da-Yeh University, Taiwan, China.

Dr. Ramesh S

Associate Professor, Department of Electronics & Communication Engineering, Dr. Ambedkar Institute of Technology, Bangalore (Karnataka), India.

Dr. Nor Hayati Abdul Hamid

Associate Professor, Department of Civil Engineering, University Teknologi Mara, Selangor, Malaysia.

Dr. C. Nagarajan

Professor & Head, Department of Electrical & Electronic Engineering, Muthayammal Engineering College, Rasipuram (Tamil Nadu), India.

Dr. Ilaria Cacciotti

Department of Industrial Engineering, University of Rome Tor Vergata Via del Politecnico, Rome-Italy.

Dr. V. Balaji

Principal Cum Professor, Department of Electronics and Electrical Engineering and E & I, Lord Ayyappa Institute of Engineering and Technology, Kanchipuram (Tamil Nadu), India.

Dr. G. Anjan Babu

Associate Professor, Department of Computer Science, S V University, Tirupati (Andhra Pradesh), India.

Dr. Damodar Reddy Edla

Associate Professor, Department of Computer Science & Engineering, National Institute of Technology, Farmagudi (Goa), India.

Dr. D. Arumuga Perumal

Professor, Department of Mechanical Engineering, Noorul Islam University, Kanyakumari (Tamil Nadu), India.

Dr. Roshdy A. AbdelRassoul

Professor, Department of Electronics and Communications Engineering, Arab Academy for Science and Technology, Abu-Qir, Alexandria, Egypt.

Dr. Aniruddha Bhattacharya

Associate Professor & Head, Department of Computer Science & Engineering, Amrita School of Engineering, Bangalore (Karnataka), India.

Dr. P. Venkateswara Rao

Professor, Department of Mechanical Engineering, Kakatiya Institute of Technology and Science, Warangal (Telangana), India.

Dr. V. Mahalakshmi M.L

Associate Professor & Head, Institute of Management Studies, Chennai CID Quarters, Mandaveli (Chennai), India.

Dr. Rajeshkumar U. Sambhe

Associate Professor & Head, Department of Mechanical, Jawaharlal Darda Institute of Engineering and Technology, Yavatmal (Maharashtra), India.

Dr. Ashok G. Matani

Associate Professor, Department Mechanical Engineering, Govt. College of Engineering, Vidarbha Mahavidyalaya, Amravati (Maharashtra), India.

Dr. Gamze OZ E L

Department Statistics, Faculty of Science, Hacettepe University Ankara, Turkey.

Dr. M V Ragahavendra

Associate Professor, Department Electronics & Communication, Adama Science & Technology University, Adama, Ethiopia.

Dr. A. Selvan

Associate Professor, Department Chemistry, Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Avadi (Tamil Nadu), India.

Dr. R. V. Krishnaiah

Professor & Head, Department of Computer Science & Engineering, DRK Institute of Science and Technology, Hyderabad (Telangana), India.

Dr. Jamshid Nazemi

Associate Professor, Department Industrial Engineering, Science & Research Branch, Azad University, Poonak (Tehran), Iran.

Dr. V. Shanmugaraju

Associate Professor & Head, Department Biotechnology, Dr. NGP Arts and Science College, Bangalore (Karnataka), India.

Dr. Soni Changlani

Professor, Department of Electronics & Communication, Lakshmi Narain College of Technology & Science, Bhopal (M.P.), India.

Dr. M. M. Manyuchi

Professor, Department Chemical and Process Systems Engineering, Lecturer-Harare Institute of Technology, Zimbabwe.

Dr. John Kaiser S. Calautit

Professor, Department Civil Engineering, School of Civil Engineering, University of Leeds, Leeds, United Kingdom.

Dr. Audai Hussein Al-Abbas

Deputy Head, Department AL-Musaib Technical College, Foundation of Technical Education, Babylon, Iraq.

Dr. Şeref Doğuşcan Akbaş

Professor, Department Civil Engineering, Şehit Muhtar Mah. Öğüt Sok. Beyoğlu Istanbul, Turkey.

Dr. H S Behera

Associate Professor, Department Computer Science & Engineering, Veer Surendra Sai University of Technology (VSSUT) A Unitary Technical University Established by the Government of Odisha, India.

Dr. Rajeev Tiwari

Associate Professor, Department Computer Science & Engineering, University of Petroleum & Energy Studies (UPES), Bidholi (Uttarakhand), India.

Dr. Piyush Kumar Shukla

Associate Professor, Department of Computer Science and Engineering, University Institute of Technology, RGPV University, Bhopal (M.P.), India.

Dr. Piyush Lotia

Associate Professor, Department of Electronics and Instrumentation, Shankaracharya College of Engineering and Technology, Bhilai (C.G.), India.

Dr. Asha Rai

Associate Professor, Department of Communication Skills, Technocrat Institute of Technology, Bhopal (M.P.), India.

Dr. Vahid Nourani

Associate Professor, Department of Civil Engineering, University of Minnesota, USA.

Dr. Hung-Wei Wu

Associate Professor, Department of Computer and Communication, Kun Shan University, Taiwan.

Dr. Vuda Sreenivasarao

Associate Professor, Department of Computer and Information Technology, Defence University College, Debrezeit Ethiopia.

Dr. Sanjay Bhargava

Associate Professor, Department of Computer Science, Banasthali University, Jaipur (Rajasthan), India.

Dr. Sanjoy Deb

Associate Professor, Department of Electrical Communication Engineering, BIT Sathy, Sathyamangalam (Tamil Nadu), India.

Dr. Papita Das (Saha)

Associate Professor, Department of Biotechnology, National Institute of Technology, Duragpur (West Bengal), India.

Dr. Waail Mahmud Lafta Al-waely

Associate Professor, Department of Mechatronics Engineering, Al-Mustafa University College, AL-SAAKKRA Square, Baghdad-Iraq.

Dr. P. P. Satya Paul Kumar

Associate Professor, Department of Physical Education & Sports Sciences, University College of Physical Education & Sports Sciences, Guntur (Andhra Pradesh), India.

Dr. Sohrab Mirsaedi

Associate Professor, Department of Electrical Engineering, Universiti Teknologi Malaysia (UTM), Skudai (Johor), Malaysia.

Dr. Omed Ghareb Abdullah

Associate Professor, Department of Physics, School of Science, University of Sulaimani, Iraq.

Dr. Khaled Eskaf

Associate Professor, Department of Computer Engineering, College of Computing and Information Technology, Alexandria, Egypt.

Dr. Nitin W. Ingole

Associate Professor & Head, Department of Civil Engineering, Prof Ram Meghe Institute of Technology and Research, Badnera Amravati (Maharashtra), India.

Dr. P. K. Gupta

Associate Professor, Department of Computer Science and Engineering, Jaypee University of Information Technology, Solan (Himachal Pradesh), India.

Dr. P. Ganesh Kumar

Associate Professor, Department of Electronics & Communication, Sri Krishna College of Engineering and Technology, Linyi Top Network Co Ltd Linyi, China.

Dr. Santhosh K V

Associate Professor, Department of Instrumentation and Control Engineering, Manipal Institute of Technology, Manipal (Karnataka), India.

Dr. Subhendu Kumar Pani

Associate Professor, Department of Computer Science and Engineering, Orissa Engineering College, Bhubaneswar (Odisha), India.

Dr. Syed Asif Ali

Professor & Chairman, Department of Computer Science, SMI University, Karachi, Pakistan.

Dr. Vilas Warudkar

Associate Professor, Department of Mechanical Engineering, Maulana Azad National Institute of Technology, Bhopal (M.P.), India.

Dr. S. Chandra Mohan Reddy

Associate Professor & Head, Department of Electronics & Communication Engineering, JNTUA College of Engineering (Autonomous), Cuddapah (Andhra Pradesh), India.

Dr. V. Chittaranjan Das

Associate Professor, Department of Mechanical Engineering, R.V.R. & J.C. College of Engineering, Guntur (Andhra Pradesh), India.

Dr. Jamal Fathi Abu Hasna

Associate Professor, Department of Electrical & Electronics and Computer Engineering, Near East University, TRNC, Turkey.

Dr. S. Deivanayaki

Associate Professor, Department of Physics, Sri Ramakrishna Engineering College, Coimbatore (Tamil Nadu), India.

Dr. Nirvesh S. Mehta

Professor, Department of Mechanical Engineering, Sardar Vallabhbhai National Institute of Technology, Surat (Gujarat), India.

Dr. A.Vijaya Bhasakar Reddy

Associate Professor, Research Scientist, Department of Chemistry, Sri Venkateswara University, Tirupati (Andhra Pradesh), India.

Dr. C. Jaya Subba Reddy

Associate Professor, Department of Mathematics, Sri Venkateswara University, Tirupathi (Andhra Pradesh), India.

Dr. Balbir Singh

Associate Professor, Department of Health Studies, Human Development Area, Administrative Staff College of India, Bella Vista (Andhra Pradesh), India.

Dr. D. RAJU

Associate Professor, Department of Mathematics, Vidya Jyothi Institute of Technology (VJIT), Hyderabad (Telangana), India.

Dr. Salim Y. Amdani

Associate Professor & Head, Department of Computer Science Engineering, B. N. College of Engineering, Pusad (M.S.), India.

Dr. K. Kiran Kumar

Associate Professor, Department of Information Technology, Bapatla Engineering College, Bapatla (Andhra Pradesh), India.

Dr. Md. Abdullah Al Humayun

Associate Professor, Department of Electrical Systems Engineering, University Malaysia Perlis, Malaysia.

Dr. Vellore Vasu

Teaching Assistant, Department of Mathematics, S.V. University, Tirupati (Andhra Pradesh), India.

Dr. Naveen K. Mehta

Associate Professor & Head, Department of Communication Skills, Mahakal Institute of Technology, Ujjain (M.P.), India.

Dr. Gujar Anant Kumar Jotiram

Associate Professor, Department of Mechanical Engineering, Ashokrao Mane Group of Institutions, Vathar (Maharashtra), India.

Dr. Pratibhamoy Das

Scientist, Department of Mathematics, IMU Berlin Einstein Foundation Fellow Technical University of Berlin, Germany.

Dr. Messaouda AZZOUZI

Associate Professor, Department of Sciences & Technology, University of Djelfa, Algeria.

Dr. Vandana Swarnkar

Associate Professor, Department of Chemistry, Jiwaji University, Gwalior (M.P), India.

Dr. Arvind K. Sharma

Associate Professor, Department of Computer Science Engineering, University of Kota, Kabir Circle (Rajasthan), India.

Dr. R. Balu

Associate Professor, Department of Computr Applications, Bharathiar University, Coimbatore (Tamil Nadu), India.

Dr. S. Suriyanarayanan

Associate Professor, Department of Water and Health, Jagadguru Sri Shivarathreeswara University, Mysuru (Karnataka), India.

Dr. Dinesh Kumar

Associate Professor, Department of Mathematics, Pratap University, Jaipur (Rajasthan), India.

Dr. Sandeep N

Associate Professor, Department of Mathematics, Vellore Institute of Technology, Vellore (Tamil Nadu), India.

Dr. Dharpal Singh

Associate Professor, Department of Computer Science Engineering, JIS College of Engineering, Kalyani (West Bengal), India.

Dr. Farshad Zahedi

Associate Professor, Department of Mechanical Engineering, University of Texas at Arlington, Tehran, Iran.

Dr. Atishey Mittal

Associate Professor, Department of Mechanical Engineering, SRM University, NCR Campus Meerut Delhi Road Modinagar (Aligarh), India.

Dr. Hussein Togun

Associate Professor, Department of Mechanical Engineering, University of Thiqr, Iraq.

Dr. Shrikaant Kulkarni

Associate Professor, Department of Senior Faculty Vishwakarma Institute of Technology, Pune (M.S.), India.

Dr. Mukesh Negi

Project Manager, Department of Computer Science & IT, Mukesh Negi, Project Manager, Noida (U.P), India.

Dr. Sachin Madhavrao Kanawade

Associate Professor, Department Chemical Engineering, Pravara Rural Education Society's, Sir Visvesvaraya Institute of Technology, Nashik (Maharashtra), India.

Dr. Ganesh S Sable

Professor, Department of Electronics and Telecommunication, Maharashtra Institute of Technology Satara Parisar, Aurangabad (Maharashtra), India.

Dr. T.V. Rajini Kanth

Professor, Department of Computer Science Engineering, Sreenidhi Institute of Science and Technology, Hyderabad (Telangana), India.

Dr. Anuj Kumar Gupta

Associate Professor, Department of Computer Science & Engineering, RIMT Institute of Engineering & Technology, Godindgarh (Punjab), India.

Dr. Hasan Ashrafi- Rizi

Associate Professor, Medical Library and Information Science Department of Health Information Technology Research Center, Isfahan University of Medical Sciences, Isfahan, Iran.

Dr. Golam Kibria

Associate Professor, Department of Mechanical Engineering, Aliah University, Kolkata (West Bengal), India.

Dr. Mohammad Jannati

Professor, Department of Energy Conversion, UTM-PROTON Future Drive Laboratory, Faculty of Electrical Engineering, University of Technology, Malaysia.

Dr. Mohammed Saber Mohammed Gad

Professor, Department of Mechanical Engineering, National Research Center, Cairo, Egypt.

Dr. V. Balaji

Professor, Department of Electronics and Electrical Engineering, Sapthagiri College of Engineering Periyannahalli, (Taluk) Dharmapuri.

Dr. Naveen Beri

Associate Professor, Department of Mechanical Engineering, BEANT College of Engineering & Technology, Gurdaspur (Punjab), India.

Dr. Abdel-Baset H. Mekky

Associate Professor, Department of Physics, Buraydah Colleges Al Qassim / Saudi Arabia.

Dr. T. Abdul Razak

Associate Professor, Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli (Tamil Nadu), India.

Dr. Preeti Singh Bahadur

Associate Professor, Department of Applied Physics Amity University, Greater Noida (U.P.) India.

Dr. Ramadan Elaieess

Associate Professor, Department of Information Studies, Faculty of Arts University of Benghazi, Libya.

Dr. R. Emmaniel

Professor & Head, Department of Business Administration St. Ann's College of Engineering and Technology, Chirala (A.P), India.

Dr. C. Phani Ramesh

Director cum Associate Professor, Department of Computer Science Engineering, PRIST University, Manamai (Tamil Nadu), India.

Dr. Rachna Goswami

Associate Professor, Department of Faculty in Bio-Science, Rajiv Gandhi University of Knowledge Technologies (RGUKT) Krishna (Andhra Pradesh), India.

Dr. Sudhakar Singh

Associate Professor & Head, Department of Physics and Computer Science, Sardar Patel College of Technology, Balaghat (M.P.), India.

Dr. Xiaolin Qin

Associate Professor & Assistant Director of Laboratory for Automated Reasoning and Programming, Chengdu Institute of Computer Applications, Chinese Academy of Sciences, China.

Dr. Maddila Lakshmi Chaitanya

Associate Professor, Department of Mechanical, Pragati Engineering College, Godavari (A.P.), India.

Dr. Jyoti Anand

Assistant Professor, Department of Mathematics, Dronacharya College of Engineering, Gurgaon (Haryana), India.

Dr. Nasser Fegh-hi Farahmand

Associate Professor, Department of Industrial Management, College of Management, Economy and Accounting, Tabriz Branch, Islamic Azad University, Tabriz, Iran

Dr. Ravindra Jilte

Assistant Professor & Head, Department of Mechanical Engineering, Vidyavardhini College of Engineering and Technology, University of Mumbai, Vasai (Maharashtra), India.

Dr. Sarita Gajbhiye Meshram

Research Scholar, Department of Water Resources, Development & Management Indian Institute of Technology, Roorkee (Uttarakhand), India.

Dr. G. Komarasamy

Associate Professor, Senior Grade, Department of Computer Science & Engineering, Bannari Amman Institute of Technology, Sathyamangalam (Tamil Nadu), India.

Dr. P. Raman

Professor, Department of Management Studies, Panimalar Engineering College, Chennai (Tamil Nadu) India.

Dr. M. Anto Bennet

Professor, Department of Electronics & Communication Engineering, Vel-Tech Engineering College, Chennai (Tamil Nadu), India.

Dr. P. Keerthika

Associate Professor, Department of Computer Science & Engineering, Kongu Engineering College, Perundurai (Tamil Nadu), India.

Dr. Santosh Kumar Behera

Associate Professor, Department of Education, Sidho-Kanho-Birsha University, Purulia (West Bengal), India.

Dr. P. Suresh

Associate Professor, Department of Information Technology, Kongu Engineering College Perundurai (Tamil Nadu), India.

Dr. Santosh Shivajirao Lomte

Associate Professor, Department of Computer Science and Information Technology, Radhai Mahavidyalaya, Aurangabad Gymkhana,

(Maharashtra), India.

Dr. Altaf Ali Siyal

Professor, Department of Land and Water Management, Sindh Agriculture University Tandojam, Pakistan.

Dr. Mohammad Valipour

Associate Professor, Sari Agricultural Sciences and Natural Resources University, Sari, Iran.

Dr. Prakash H. Patil

Vice Principal and Professor, Department of Electronics and Tele-Communication Engineering, Dr. D.Y. Patil College of Engineering, Pune (Maharashtra), India.

Dr. Smolarek Malgorzata

Associate Professor, Department of Institute of Management and Economics, High School of Humanitas in Sosnowiec, Wyższa Szkoła Humanitas Instytut Zarządzania i Ekonomii ul. Kilińskiego Sosnowiec Poland.

Dr. Umakant Vyankatesh Kongre

Associate Professor, Department of Mechanical Engineering, Jawaharlal Darda Institute of Engineering and Technology, Yavatmal (Maharashtra), India.

Dr. Niranjana S

Associate Professor, Department of Biomedical Engineering, Manipal Institute of Technology (MIT) Manipal University, Manipal (Karnataka), India

Dr. Naseema Khatoon

Associate Professor, Department of Chemistry, Integral University Lucknow (U.P), India.

Dr. P. Samuel

Associate Professor, Department of English, KSR College of Engineering Tiruchengode, Namakkal (Tamil Nadu), India.

Dr. Mohammad Sajid

Associate Professor, Department of Mathematics, College of Engineering Qassim University Buraidah, Al-Qassim Saudi Arabia.

Dr. Sanjay Pachauri

Associate Professor, Department of Computer Science & Engineering, IMS Unison University Makkawala Greens Dehradun (UK). India.

Dr. S. Kishore Reddy

Professor, Department of School of Electrical & Computer Engineering, Adama Science & Technology University, Adama, Ethiopia.

Dr. Muthukumar Subramanyam

Professor, Department of Computer Science & Engineering, National Institute of Technology, Puducherry, India

Dr. Latika Kharb

Associate Professor, Faculty of Information Technology, Jagan Institute of Management Studies (JIMS), Rohini (Delhi), India.

Dr. Kusum Yadav

Associate Professor, Department of Information Systems, College of Computer Engineering & Science Salman bin Abdulaziz University, Saudi Arabia.

Dr. Preeti Gera

Associate Professor, Department of Computer Science & Engineering, Savera Group of Institutions, Gurgaon (Haryana), India.

Dr. Ajeet Kumar

Associate Professor, Department of Chemistry and Biomolecular Science, Clarkson University, Clarkson Avenue, New York.

Dr. M. Jinnah S Mohamed

Associate Professor, Department of Mechanical Engineering, National College of Engineering, Tirunelveli (Tamil Nadu), India.

Dr. Mostafa Eslami

Assistant Professor, Department of Mathematics, University of Mazandaran Babolsar, Iran.

Dr. Akram Mohammad Hassan Elentably

Professor, Department of Economics of Maritime Transport, Faculty of Maritime Studies, King Abdulaziz University, Jeddah, Saudi Arabia.

Dr. Aarti Tolia

Faculty, Prahaldbhai Dalmia Lions College of Commerce & Economics, Mumbai (Maharashtra), India.

Dr. Ramachandra C G

Professor & Head, Department of Marine Engineering, Srinivas Institute of Technology, Mangalore (Karnataka), India.

Dr. G. Anandharaj

Associate Professor, Department of M.C.A, Ganadipathy Tulsi's Jain Engineering College, Vellore (Tamil Nadu), India.

Dr. Najmuddin Ahmad

Associate Professor, Department of Mathematics, Faculty of Applied Science, Integral University, Lucknow (U.P), India.

Dr. Kaikai Xu

Associate Professor, School of Microelectronics and Solid-State Electronics, State Key Laboratory of Electronic Thin Films and Integrated Devices, University of Electronic Science and Technology of China (UESTC), China.

Dr. V. V. Prathibha Bharathi

Associate Professor, Department of Mechanical Engineering, Malla Reddy College of Engineering, Maisammaguda (Telangana), India.

Dr. Smita Selot

Head & Professor, Department of Computer Applications, Shri Shankaracharya College of Engineering and Technology, Bhilai (Chhattisgarh), India.

Dr. S. Balamurugan

Director-Research & Development, Mindnotix Technologies, Coimbatore (Tamil Nadu), India.

Dr. Suresh D. Mane

Professor, Department of Mechanical Engineering, Shaikh College of Engineering & Technology, Belagavi (Karnataka), India.

Dr. Mohmaed Abdel Fattah Ashabrawy

Associate Professor, Reactors Department, Atomic Energy Authority, Egypt – IAM NOW Salman bin Abdulaziz University, Kingdom Saudi Arabia. (KSA)

Dr. Shiv Kumar Verma

Associate Professor, Department of Computer Science & Engineering, University Institute of Engineering Chandigarh University, Gharuan (Punjab), India.

Dr. Mohamed Abd El-Basset Matwalli

Associate Professor, Department of Operations Research & Decision Support System, Faculty of Computers and Informatics, Zagazig University, Egypt.

Dr. Vikas Maheshwari

Associate Professor, Department of Electrical Communication Engineering, Amity University, Gwalior (M.P), India.

Dr. Sudhakara A

Associate Professor, Department of Chemistry, Jain Institute of Technology, Davanagere (Karnataka), India.

Dr. Jammi Ashok

Associate Professor, Department of Electrical and Computer Engineering, Hawassa University, Hawassa, East Africa.

Dr. Mohamed Ashabrawy

Associate Professor, Department of Computer Science, Salman bin Abdulaziz University Kingdom, Saudi Arabia.

Dr. Omer Muhammad Ayoub

Associate Professor, Department of Computer Science, Affected Center Abdullah Sulayman, Al-Fayyaz, Jeddah, KSA Saudi Arabia.

Dr. M. Seenivasan

Associate Professor, Department of Mathematics, Annamalai University, Chidambaram (Tamil Nadu), India.

Dr. S.V.G.V.A. Prasad

Associate Professor, Department of Physics, Ideal College of Arts & Sciences, Kakinada (A.P), India.

Dr. S. Omkumar

Associate Professor, Department of Electronics and Communication Engineering, SCSVMV University, Enathur (Tamil Nadu), India.

Dr. Yousef FARHAOUI

Associate Professor, Department of Computer Science, Faculty of Sciences and Technic, Moulay Ismail University, Boutalamine, Errachidia, Morocco.

Dr. Gutta Sridevi

Associate Professor, Department of Computer Science & Engineering, K L University, Vaddeswaram, Guntur (DT) (A.P.), India.

Dr. Debmalya Bhattacharya

Associate Professor, Department of Electronics & Communication Engineering, University of Technology & Management, Bawri Mansion, Dhankheti (Meghalaya), India.

Dr. K. Harinadha Reddy

Professor, Department of Electrical and Electronics Engineering, L B R College of Engineering, Mylavaram, Krishna (Andhra Pradesh), India.

Dr. C. Gajendran

Associate Professor, Department of Civil Engineering, Karunya Nagar, Karunya University, Coimbatore (Tamil Nadu), India.

Dr. Dibya Prakash Rai

Assistant Professor, Department of Physics, College of Aizawl, Pachhunga University, Mizoram, India.

Dr. Sreenivasa Reddy

Associate Professor, Department of Chemistry, Sri Krishnadevaraya University, Anantapur (A.P.), India.

Dr. P. K. Dhal

Associate Professor, Department of Electrical and Electronics Engineering, Vel Tech Dr. RR & Dr. SR Technical University, Chennai (Tamil Nadu), India.

Dr. M. A. Ashabrawy

Associate Professor, Department of Computer Science, Atomic Energy Authority, Salman bin Abdulaziz University, Al Kharj Saudi Arabia.

Dr. K. Meenakshi Sundaram

Professor & Head, Department of Computer Science, Agnel Institute of Technology and Design, Assagao – Bardez, Goa. India.

Dr. Persis Voola

Associate Professor, Department of Computer Science and Engineering, Adikavi Nannaya University, Rajahmundry (Andhra Pradesh), India.

Dr. Abhijit Banerjee

Associate Professor, Department of Electronics and Instrumentation Engineering, Academy of Technology, Hooghly (West Bengal), India.

Dr. D. Amaranatha Reddy

Associate Professor, Department of Chemistry, Pusan National University, Busan, South Korea.

Dr. A. Heidari

Associate Professor, Department of Chemistry, Postdoctoral Research Fellow, California South University (CSU), Irvine, California, USA.

Dr. Ashwani Kumar Aggarwal

Assistant Professor, Department of Electrical and Instrumentation Engineering, Sant Longowal Institute of Engineering and Technology, Longowal (Punjab), India.

Dr. P. Srinivas

Assistant Professor, Department of Electrical Engineering, University College of Engineering Osmania University, Hyderabad (Telangana), India.

Dr. Sandeep Chettri

DST-SERB, Young Scientist, Department of Physics, Mizoram University, Tanhril, Aizawl (Mizoram), India.

Dr. Elsanosy M. Elamin

Assistant Professor, Department of Electrical and Electronic Engineering, University of Kordofan, Elobeid, (Sudan), North Africa.

Dr. Porag Kalita

Professor & Head, Department of Automobile Engineering, Jorhat (Assam), India.

Dr. T. A. Ashok Kumar

Associate Professor, Department of Computer Science, Christ University, Bengaluru (Karnataka), India.

Dr. Malini M Patil

Associate Professor, Department of Information Science and Engineering, JSS Academy of Technical Education, JSS Campus, Bangalore (Karnataka), India.

Dr. V. Selvan

Associate Professor, Department of Civil Engineering, Sri Ramakrishna Engineering College, Vattamalaipalayam, Coimbatore (Tamil Nadu), India.

Dr. Syed Umar

Associate Professor, Department of Computer Science and Engineering, Koneru Lakshmaiah University, Vaddeswaram (Andhra Pradesh), India.

Dr. Anand Kumar Singh

Associate Professor & HOD, Department of Computer Science & Engineering, Vikrant Institute of Technology & Management, Gwalior, (M.P). India.

Dr. Ajit Kumar Senapati

Associate Professor, Department of Mechanical Engineering, Gandhi Institute of Engineering & Technology Gunupur (Orissa), India.

Dr. Lakshmi Praveen Pogula

Assistant Professor, Department of Physics, Veer Surendra Sai University of Technology, Burla (Odisha), India.

Dr. A. Dinesh Kumar

Assistant Professor & Head, Department of Science & Humanities, Dhanalakshmi Srinivasan Engineering College, Perambalur (Tamil Nadu), India.

Dr. A. Sasi Kumar

Associate Professor, Department of Information Technology, Institution or Company, Vels University, Pallavaram, (Tamil Nadu), India.

Dr. B. N. Chandrashekar

Post Doctoral Scholar, Department of Material Science & Engineering, South University of Science and Technology of China, Shenzhen, China.

Dr. F. Ayca Cetinkaya

Assistant Professor, Department of Mathematics, Mersin University, Mersin, Yenişehir, Yenişehir, Turkey.

Dr. Pavan Agrawal

Associated Professor, Department of Mechanical Engineering, Vikrant Institute of Technology & Management, Gwalior (M.P), India.

Dr. Muhammad Hussein Noure Elahi

Associated Professor, Department of Educational Administration, Science and Research Branch, Islamic Azad University, Tehran. Iran.

Dr. Roozbeh Abedini Nassab

Research Assistant, Department of Mechanical Engineering and Materials Science, Duke University, Durham, North Carolina.

Dr. S. R. Boselin Prabhu

Assistant Professor, Department of Electrical Communication Engineering, SVS College of Engineering, Coimbatore (Tamil Nadu) India.

Dr. Y. Ashok Kumar Reddy

Research Professor, Department of Electrical Engineering, Korea Advanced Institute of Science and Technology, Daejeon, South Korea.

Dr. Ilknur Yesilce

Assistant Professor, Research Assistant, Department of Mathematics, Mersin University, Turkey.

Dr. Jingchao Zhang

Assistant Professor, Holland Computing Center, University of Nebraska-Lincoln, Lincoln.

2013

Editor-In-Chief**Dr. Shiv Kumar**

Ph.D. (CSE), M.Tech. (IT, Honors), B.Tech. (IT), IEEE Member

Director, Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd., Bhopal(M.P.), India

Professor, Department of Computer Science & Engineering, Lakshmi Narain College of Technology-Excellence (LNCTE), Bhopal (M.P.), India

Associated Editor-In-Chief**Dr. Guoxiang Liu**

Member of IEEE, University of North Dakota, Grand Forks, N.D., USA

Scientific Editors**Dr. Moinuddin Sarker**

Vice President of Research & Development, Head of Science Team, Natural State Research, Inc., 37 Brown House Road (2nd Floor) Stamford, USA.

Dr. Shanmugha Priya. Pon

Principal, Department of Commerce and Management, St. Joseph College of Management and Finance, Makambako, Tanzania, East Africa, Tanzania

Dr. Veronica Mc Gowan

Associate Professor, Department of Computer and Business Information Systems, Delaware Valley College, Doylestown, PA, Allman, China.

Dr. Mohd. Nazri Ismail

Professor, System and Networking Department, Jalan Sultan Ismail, Kuala Lumpur, Malaysia

Dr. Fadiya Samson Oluwaseun

Assistant Professor, Girne American University, as a Lecturer & International Admission Officer (African Region) Girne, Northern Cyprus, Turkey.

Dr. Kakoli Das

Principal Engineer, Globalfoundries, New York, USA

Dr. M. Madijagan

BITS Pilani, Dubai Campus, DIAC, Dubai, United Arab, UAE

Dr. Pavol Tanuska

Associate Professor, Department of Applied Informatics, Automation, and Mathematics, Trnava, Slovakia

Dr. Robert Brian Smith

International Development Assistance Consultant, Department of AEC Consultants Pty Ltd, AEC Consultants Pty Ltd, Macquarie Centre, North Ryde, New South Wales, Australia

Dr. Durgesh Mishra

Chairman, IEEE Computer Society Chapter Bombay Section, Chairman IEEE MP Subsection, Professor & Dean (R&D), Acropolis Institute of Technology, Indore (M.P.), India

Dr. Sandra De Iaco

Professor, Dip.to Di Scienze Dell'Economia-Sez. Matematico-Statistica, Italy

Executive Editors**Dr. Yu Qi**

Department of Computer Science, 30 Montgomery Street, Jersey, NJ, USA.

Dr. Vahid Nourani

Professor, Faculty of Civil Engineering, University of Tabriz, Iran.

Prof.(Dr.) Anuranjan Misra

Professor & Head, Department of Computer Science & Engineering and Information Technology, Noida International University, Noida (U.P.), India.

Dr. TOFAN Cezarina Adina

Associate Professor, Department of Sciences Engineering, Spiru Haret University, Arges, Romania.

Dr. Deepak Garg

Professor, Department of Computer Science and Engineering, Thapar University, Patiala (Punjab), India, Senior Member of IEEE, Secretary of IEEE Computer Society (Delhi Section), Life Member of Computer Society of India (CSI), Indian Society of Technical Education (ISTE), Indian Science Congress Association Kolkata.

Dr. Dinesh Varshney

Director of College Development Counseling, Devi Ahilya University, Indore (M.P.), Professor, School of Physics, Devi Ahilya University, Indore (M.P.), and Regional Director, Madhya Pradesh Bhoj (Open) University, Indore (M.P.), India

Dr. Saber Mohamed Abd-Allah

Associate Professor, Department of Biochemistry, Shanghai Institute of Biochemistry and Cell Biology, Shanghai, China.

Dr. Xiaoguang Yue

Associate Professor, Department of Computer and Information, Southwest Forestry University, Kunming (Yunnan), China.

Dr. Labib Francis Gergis Rofaiel

Associate Professor, Department of Digital Communications and Electronics, Misr Academy for Engineering and Technology, Mansoura, Egypt.

Dr. Ravindra Prakash Gupta

Principal, Maharishi Arvind College of Engineering and Research Center, Jaipur (Rajasthan), India.

Dr. Hugo A.F.A. Santos

ICES, Institute for Computational Engineering and Sciences, The University of Texas, Austin, USA.

Dr. D. S. R. Murthy

Professor, Department of Information Technology, Sree Nidhi Institute of Science and Technology Yamnampet, Hyderabad (A.P.), India.

Dr. P. Raviraj

Professor & Head, Department of Computer Science & Engineering, Kalaignar Karunanidhi Institute of Technology, Coimbatore (Tamil Nadu), India.

Dr. Kapil Kumar Bansal

Head (Research and Publication), SRM University, Gaziabad (U.P.), India.

Dr. T. C. Manjunath

Principal & Professor, HKBK College of Engineering, Nagawara, Bengaluru (Karnataka), India.

Dr. Kosta Yogeshwar Prasad

Director, Technical Campus, Marwadi Education Foundation's Group of Institutions Gauridad, Rajkot (Gujarat), India.

Dr. P. Dananjayan

Professor, Department of Electrical Communication Engineering, Pondicherry Engineering College, Pondicherry (Tamil Nadu), India.

Advisory Chair**Dr. Uma Shanker**

Professor & Head, Department of Mathematics, Chouksey Engineering College, Bilaspur (C.G.), India.

Dr. Rama Shanker

Professor & Head, Department of Statistics, Eritrea Institute of Technology, Asmara, Eritrea.

Dr. Vinita Kumari

Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd., India

Dr. Sadhana Vishwakarma

Associate Professor, Department of Chemistry, Technocrat Institute of Technology, Bhopal (M.P.), India.

Dr. Kamal Mehta

Associate Professor, Department of Computer Engineering, Institute of Technology, NIRMA University, Ahmedabad (Gujarat), India.

Dr. Suresh Babu Perli

Professor & Head, Department of Electrical and Electronic Engineering, Narasaraopeta Engineering College, Guntur (A.P.), India.

Dr. Binod Kumar

Associate Professor, School of Engineering and Computer Technology, Faculty of Integrative Sciences and Technology, Quest International University, Ipoh, Perak, Malaysia.

Dr. Chiladze George

Professor, Faculty of Law, Akhaltsikhe State University, Tbilisi University, Georgia.

Dr. Kavita Khare

Professor, Department of Electronics & Communication Engineering., MANIT, Bhopal (M.P.), India.

Dr. C. Saravanan

Associate Professor (System Manager) & Head, Computer Center, NIT, Durgapur (W.B), India.

Dr. S. Saravanan

Professor, Department of Electrical and Electronics Engineering, Muthayamal Engineering College, Resipuram (Tamilnadu), India.

Dr. Amit Kumar Garg

Professor & Head, Department of Electronics and Communication Engineering, Maharishi Markandeshwar University, Mullana Ambala (Haryana), India.

Dr. Kamal K Mehta

Associate Professor, Department of Computer Engineering, Institute of Technology, NIRMA University, Ahmedabad (Gujarat), India.

Dr. Sahab Singh

Associate Professor, Department of Management Studies, Dronacharya Group of Institutions, Greater Noida (U.P.), India.

Dr. Umesh Kumar

Principal, Govt Women Poly, Ranchi (Jharkhand), India.

Dr. Jaswant Singh Bhomrah

Director, Department of Profit Oriented Technique, Navsari (Gujarat), India.

Technical Chair**Dr. Mohd. Husain**

Director, MG Institute of Management & Technology, Banthara, Lucknow (U.P.), India.

Dr. T. Jayanthi

Principal, Panimalar Institute of Technology, Chennai (TN), India.

Dr. Umesh A.S.

Director, Technocrats Institute of Technology & Science, Bhopal (M.P.), India.

Dr. B. Kanagasabapathi

Infosys Labs, Infosys Limited, Center for Advance Modeling and Simulation, Infosys Labs, Infosys Limited, Electronics City, Bangalore, India.

Dr. C.B. Gupta

Professor, Department of Mathematics, Birla Institute of Technology & Sciences, Pilani (Rajasthan), India.

Dr. Jaydeb Bhaumik

Associate Professor, Department of Electronics & Communication Engineering, Haldia Institute of Technology, Haldia (Bengal), India.

Dr. Rajesh Das

Associate Professor, School of Applied Sciences, Haldia Institute of Technology, Haldia (West Bengal), India.

Dr. Mrutyunjaya Panda

Professor & Head, Department of EEE, Gandhi Institute for Technological Development, Bhubaneswar, Odisha, India

Dr. Mohd. Nazri Ismail

Associate Professor, Department of System and Networking, University of Kuala (UniKL), Kuala Lumpur, Malaysia.

Dr. Haw Su Cheng

Faculty of Information Technology, Multimedia University (MMU), Jalan Multimedia (Cyberjaya), Malaysia.

Dr. Hossein Rajabalipour Cheshmehgaz

Department of Industrial Modeling and Computing, Faculty of Computer Science and Information Systems, Universiti Teknologi Malaysia (UTM) 81310, Skudai, Malaysia.

Dr. Sudhinder Singh Chowhan

Associate Professor, Institute of Management and Computer Science, NIMS University, Jaipur (Rajasthan), India.

Dr. Neeta Sharma

Professor & Head, Department of Communication Skills, Technocrat Institute of Technology, Bhopal (M.P.), India.

Dr. Ashish Rastogi

Associate Professor, Department of CS & IT, Guru Ghansi Das University, Bilaspur (C.G.), India.

Dr. Santosh Kumar Nanda

Professor, Department of Computer Science and Engineering, Eastern Academy of Science and Technology (EAST), Khurda (Orisa), India.

Dr. Hai Shanker Hota

Associate Professor, Department of CSIT, Guru Ghansi Das University, Bilaspur (C.G.), India.

Dr. Sunil Kumar Singla

Professor, Department of Electrical and Instrumentation Engineering, Thapar University, Patiala (Punjab), India.

Dr. A. K. Verma

Professor, Department of Computer Science and Engineering, Thapar University, Patiala (Punjab), India.

Dr. Mohd. Ali Hussain

Professor, Department of Computer Science and Engineering, Sri Sai Madhavi Institute of Science & Technology, Rajahmundry (A.P.), India.

Dr. Sunil Mishra

Associate Professor, Department of Communication Skills (English), Dronacharya College of Engineering, Farrukhnagar, Gurgaon (Haryana), India.

Dr. VS Giridhar Akula

Professor, Avanthi's Research & Technological Academy, Gunthapally, Hyderabad (Andhra Pradesh), India.

Dr. S. Satyanarayana

Associate Professor, Department of Computer Science and Engineering, KL University, Guntur (Andhra Pradesh), India.

Dr. Bhupendra Kumar Sharma

Associate Professor, Department of Mathematics, KL University, BITS Pilani (Rajasthan), India.

Dr. Praveen Agarwal

Associate Professor & Head, Department of Mathematics, Anand International College of Engineering, Jaipur (Rajasthan), India.

Dr. Manoj Kumar

Professor, Department of Mathematics, Rashtriya Kishan Post Graduate Degree, College, Shamli (U.P.), India.

Dr. Shaikh Abdul Hannan

Associate Professor, Department of Computer Science, Vivekanand Arts Sardar Dalipsing Arts and Science College, Aurangabad (Maharashtra), India.

Dr. K.M. Pandey

Professor, Department of Mechanical Engineering, National Institute of Technology, Silchar (Assam), India.

Dr. Biswajit Chakraborty

MECON Limited, Research and Development Division (A Govt. of India Enterprise), Ranchi (Jharkhand), India.

Dr. D. V. Ashoka

Professor & Head, Department of Information Science & Engineering, SJB Institute of Technology, Kengeri (Bangalore), India.

Dr. Sasidhar Babu Suvanam

Professor & Academic Coordinator, Department of Computer Science & Engineering, Sree Narayana Gurukulam College of Engineering, Kadayiuruppu (Kerala), India.

Dr. C. Venkatesh

Professor & Dean, Faculty of Engineering, EBET Group of Institutions, Kangayam, Erode, Caimbatore (Tamil Nadu), India.

Dr. Nilay Khare

Associate Professor & Head, Department of Computer Science, Maulana Azad National Institute of Technology, Bhopal (M.P.), India.

Dr. Yaduvir Singh

Associate Professor, Department of Computer Science & Engineering, Ideal Institute of Technology, Govindpuram Ghaziabad, Lucknow (U.P.), India

Dr. Angela Amphawan

Head of Optical Technology, School of Computing, Universiti Utara Malaysia (Kedah), Malaysia.

Dr. Ashwini Kumar Arya

Associate Professor, Department of Electronics & Communication Engineering, Faculty of Engineering and Technology, Graphic Era University, Dehradun (Uttarakhand), India.

Dr. Yash Pal Singh

Director, Department of Electronics & Communication Engineering, KLS Institute of Engineering & Technology, KLSIET, Chandok, Bijnor (U.P.), India.

Dr. Ashish Jain

Associate Professor, Department of Computer Science & Engineering, Accurate Institute of Management & Technology, Gr. Noida (U.P.), India.

Dr. Abhay Saxena

Associate Professor & Head, Department. of Computer Science, Dev Sanskriti University, Haridwar, Utrkhand, India

Dr. Judy. M.V

Associate Professor & Head, Department of CS & IT, Amrita School of Arts and Sciences, Amrita Vishwa Vidyapeetham, Edapally, (Kerala), India.

Dr. Sangkyun Kim

Professor, Department of Industrial Engineering, Kangwon National University, Gangwondo, Korea.

Dr. Sanjay M. Gulhane

Professor, Department of Electronics & Telecommunication Engineering, Jawaharlal Darda Institute of Engineering & Technology, Yavatmal (Maharashtra), India.

Dr. K.K. Thyagarajan

Principal & Professor, Department of Informational Technology, RMK College of Engineering & Technology, Thiruyallur (Tamil Nadu), India.

Dr. P. Subashini

Associate Professor, Department of Computer Science, Coimbatore (Tamil Nadu), India.

Dr. G. Srinivasrao

Professor, Department of Mechanical Engineering, RVR & JC, College of Engineering, Chowdavaram, Guntur (Andhra Pradesh), India.

Dr. Rajesh Verma

Professor, Department of Computer Science & Engineering & Information Technology, Kurukshetra Institute of Technology & Management, Kurukshetra (Haryana), India.

Dr. Pawan Kumar Shukla

Associate Professor, Satya College of Engineering & Technology, Haryana, India.

Dr. U C Srivastava

Associate Professor, Department of Applied Physics, Amity Institute of Applied Sciences, Amity University, Noida (U.P.), India.

Dr. Reena Dadhich

Professor & Head, Department of Computer Science and Informatics, MBS MArg, Near Kabir Circle, University of Kota (Rajasthan), India.

Dr. Aashis.S.Roy

Department of Materials Engineering, Indian Institute of Science, Bangalore (Karnataka), India.

Dr. Sudhir Nigam

Professor & Principal, Department of Civil Engineering, Lakshmi Narain College of Technology and Science, Bhopal, (M.P.), India.

Dr. S. Senthil Kumar

Doctorate, Department of Center for Advanced Image and Information Technology, Division of Computer Science and Engineering, Graduate School of Electronics and Information Engineering, Chon Buk National University Deok Jin-Dong, Jeonju, Chon Buk, 561-756, South Korea.

Dr. Gufran Ahmad Ansari

Associate Professor, Department of Information Technology, College of Computer, Qassim University, Al-Qassim, Kingdom of Saudi Arabia (KSA).

Dr. R.Navaneethakrishnan

Associate Professor, Department of MCA, Bharathiyar College of Engineering and Technology, Thiruvettakudy (Puducherry), India.

Dr. Hossein Rajabalipour Cheshmejjaz

Industrial Modeling and Computing Department, Faculty of Computer Science and Information Systems, University Teknologi Skudai, Malaysia.

Dr. Veronica McGowan

Associate Professor, Department of Computer and Business Information Systems, Delaware Valley College, Doylestown, PA, Allman China.

Dr. Sanjay Sharma

Associate Professor, Department of Mathematics, Bhilai Institute of Technology, Durg (Chhattisgarh), India.

Dr. Taghreed Hashim Al-Noor

Professor, Department of Chemistry, Ibn-Al-Haitham Education for Pure Science College, University of Baghdad, Iraq.

Dr. Madhumita Dash

Professor, Department of Electronics & Telecommunication, Orissa Engineering College, Bhubaneswar (Odisha), India.

Dr. Anita Sagadevan Ethiraj

Associate Professor, Department of Centre for Nanotechnology Research (CNR), School of Electronics Engineering (Sense), Vellore Institute of Technology (VIT) University, (Tamil Nadu), India.

Dr. Sibasis Acharya

Project Consultant, Department of Metallurgy & Mineral Processing, Midas Tech International, Jindalee (Queensland), Australia.

Dr. Neelam Ruhil

Professor, Department of Electronics & Computer Engineering, Dronacharya College of Engineering, Gurgaon (Haryana), India.

Dr. Faizullah Mahar

Professor, Department of Electrical Engineering, Balochistan University of Engineering and Technology, Pakistan.

Dr. K. Selvaraju

Head, PG & Research, Department of Physics, Kandaswami Kandars College (Govt. Aided), Namakkal (Tamil Nadu), India.

Dr. M. K. Bhanarkar

Associate Professor, Department of Electronics, Shivaji University, Kolhapur (Maharashtra), India.

Dr. Sanjay Hari Sawant

Professor, Department of Mechanical Engineering, Dr. J. J. Magdum College of Engineering, Jaysingpur (Maharashtra), India.

Managing Chair**Mr. Jitendra Kumar Sen**

International Journal of Engineering and Advanced Technology (IJEAT)

Reviewer Chair**Dr. Saeed Balochian**

Associate Professor, Gonaabad Branch, Islamic Azad University, Gonabad, Iran.

Dr. Mongey Ram

Associate Professor, Department of Mathematics, Graphics Era University, Dehradun (Uttarakhand), India.

Dr. Arupratan Santra

Sr. Project Manager, Infosys Technologies Ltd, Hyderabad (A.P.), India.

Dr. Ashish Jolly

Dean, Department of Computer Applications, Guru Nanak Khalsa Institute & Management Studies, Yamuna Nagar (Haryana), India.

Dr. Israel Gonzalez Carrasco

Associate Professor, Department of Computer Science, Universidad Carlos III de Madrid, Leganes (Madrid), Spain.

Dr. Khushali Menaria

Associate Professor, Department of Bio-Informatics, Maulana Azad National Institute of Technology (MANIT), Bhopal (M.P.), India.

Dr. R. Sukumar

Professor, Sethu Institute of Technology, Pulloor, (Tamil Nadu), India.

Dr. Cherouat Abel

Professor, University of Technology, Troyes, France.

Dr. Rinkle Aggrawal

Associate Professor, Department of Computer Science and Engineering, Thapar University, Patiala (Punjab), India.

Dr. Parteek Bhatia

Associate Professor, Department of Computer Science & Engineering, Thapar University, Patiala (Punjab), India.

Dr. Manish Srivastava

Professor & Head, Department of Computer Science and Engineering, Guru Ghasidas Central University, Bilaspur (C.G.), India.

Dr. Pratosh Bansal

Associate Professor, Department of Information Technology, Institute of Engineering and Technology, Devi Ahilya Vishwavidyalaya, Indore (M.P.), India.

Dr. Pouya Derakhshan Barjoei

Associate Professor, Department of Electrical and Computer Engineering, Islamic Azad University, Naein Branch, Iran.

Dr. Subrata Bhowmik

Technical University of Denmark, Lyngby, Denmark.

Dr. Ashraf Hossain

Associate Professor, Department of Electronics & Communication Engineering, Aliah University, Kolkata (W.B), India.

Dr. A. Subramani

Professor, Department of MCA, K.S.R. College of Engineering, Tiruchengode (Tamil Nadu), India.

Dr. K. Ramesh Kumar

Associate Professor, Department of Information Technology, Hindustan University, Chennai (Tamil Nadu), India.

Dr. Jatinder Kumar R. Saini

Associate Professor & Head, Department of Computer Science, Sankalchand Patel College of Engineering, Visnagar (Gujrat), India.

Dr. Sanchayan Mukherjee

Associate Professor, Department of Mechanical Engineering, Kalyani Government Engineering College, Kalyani University, Kalyani (West Bengal), India.

Dr. Tapanendu Kamilya

Associate Professor, Department of Physics, Narajole Raj College, Narajole (West Bengal), India.

Dr. A. K. Malik

Associate Professor, Department of Mathematics, B K Birla Institute of Engineering & Technology, Pilani (Rajasthan), India.

Dr. P. Sandhya Joshi

Associate Professor, Department of Computer Science, Amrita Vishwa Vidayapeetham University, Mysore (Karnataka), India.

Dr. Jayashri Vajpai

Associate Professor, Department of Electrical Engineering, J.N.V. University, Jodhpur (Rajasthan), India.

Dr. Sam Emmanuel W R

Associate Professor, Department of Computer Science, Nesamony Memorial Christian College, Marthandam (TN), India.

Dr. Sanjay Babarao Warkad

Associate Professor, Department of Electrical Engineering, Priyadarshini College of Engineering, Nagpur (Maharashtra), India.

Dr. Ahmed Nabih Zaki Rashed

Associate Professor, Department of Electronics and Electrical Communication Engineering, Menoufia University, Menoufia, Egypt.

Dr. Deepali Virmani

Associate Professor, Department of Computer Science & Engineering, Bhagwan Parshuram Institute of Technology, GGSIPU, Rohini (Delhi), India.

Dr. M. Subba Rao

Professor, Department of Information Technology, Annamacharya Institute of Technology and Sciences, Kadapa (Andhra Pradesh), India.

Dr. K.V.L.N. Acharyulu

Professor, Faculty of Science, Department of Mathematics, Bapatla Engineering College, Bapatla (Andhra Pradesh), India.

Dr. Remisetti Rajeswara Rao

Professor & Haed, Department of Computer Science and Engineering, Mahatma Gandhi Institute of Technology, Gandipet (Hyderabad), India.

Dr. R.R. Mudholkar

Associate Professor, Department of Electronics, Shivaji University, Kodhapu (Maharashtra), India.

Dr. Rajesh Kumar U. Sambhe

Associate Professor & Head, Department of Mechanical Engineering Workshop, Jawaharlal Dard Institute of Engineering and Technology, Yavatmal (Maharashtra), India.

Dr. A. Indra

Senior General Manager, Department of Space, Control Centre and Computer Facilities, ISRO Telemetry, Tracking and Command Network, Bangalore (Karnataka), India.

Dr. M. Sasikumar

Professor, Department of Electronics and Electrical Engineering, Jeppiaar Engineering College, Chennai (Temil Nadu), India.

Dr. Syed Asfandyar Gilani

Research Associate at SCIT Lab, Lahore, Pakistan.

Dr. VPS Naidu

Scientist, MSDF Lab, CSIR-NAL, Bangalore (Karnataka), India.

Dr. Kamal K. Mandal

Associate Professor, Department of Power Engineering, Jadavpur University, Salt Lake Campus, Kolkata (West Bengal), India.

Dr. G. Sreedhar

Associate Professor, Department of Computer Science, Rashtriya Sanskrit Vidyapeetha (Deemed University), Tirupati, (A.P), India.

Dr. B. Muthukumar

Associate Professor, Department of Information Technology, Kathir College of Engineering, Neelambur, Coimbatore (Tamil Nadu), India.

Dr. V. Nagarajan

Professor & Head, Department of Electrical and Electronics Engineering, Sona College of Technology, Salem (Tamil Nadu), India.

Dr. R. Arulmozhiyal

Associate Professor, Department of Electronics and Communication Engineering, Adhiparasakthi College of Engineering, Villupuram (Tamil Nadu), India.

Dr. R. Harikumar

Professor, Department of Electronics and Communication Engineering, Bannari Amman Institute of Technology, Sathyamangalam (Tamil Nadu), India

Dr. Anand Kumar

Professor & Head, Department of MCA, M.S. Engineering College, Bangalore (Karnataka), India.

Dr. Mohamed Rahayem

School of Science and Technology, Karlavägen (Karlskoga), Sweden.

Dr. P.T.V. Bhuvaneshwari

Associate Professor, Department of Electronics Engineering, Madras Institute of Technology Anna University, Chennai (Tamil Nadu), India.

Dr. Mangey Ram

Associate Professor, Department of Mathematics, Graphic Era University, Dehradun (Uttarakhand), India.

Dr. Sarika Jain

Assistant Professor, Department of Computer Applications, National Institute of Technology, Kurukshetra (Haryana), India.

Dr. Adri Jovin J.J.

Associate Professor, Department of Computer Science & Engineering, Sri Narayana Guru Institute of Technology, Coimbatore (Tamil Nadu), India.

Dr. V. Kumar Chinnaiyan

Professor & Head, Department of Electrical and Electronics, Jansons Institute of Technology, Caimbatore (Tamil Nadu), India.

Dr. T. Pearson

Professor, Department of Electronics and Communication Engineering, SMK Fomra Institute of Technology, Anna Nagar (Chennai), India.

Dr. Indu Verma

Professor, Department of Physics, University of Lucknow (U.P.), India.

Dr. Pravin P Patil

Associate Professor, Department of Mechanical Engineering, Graphic Era University, Dehradun (Uttarakhand), India.

Dr. Surendra Yadav

Professor, Department of Computer Science and Engineering, Dreen Avenue, Jaipur (Rajasthan), India.

Dr. K. Sivakumar

Assoc. Professor, Department of Computer Applications, SNMV College of Arts & Science, Coimbatore (Tamil Nadu), India.

Dr. Lazar Stosic

College for Professional Studies Educators, Aleksinac, Serbia, Europe.

Dr. Ashu Gupta

Associate Professor, Department of Computer Applications, Apeejay Institute of Management Technical Campus, Jalandhar (Punjab), India.

Dr. T. Logeswari

Associate Professor, Department of MCA, Dr. N.G.P. Institute of Technology, Coimbatore (Tamil Nadu), India.

Dr. Nurul Fadly Habidin

Department of Management, Faculty of Management and Economics, Universiti Pendidikan Sultan Idris, Perak.

Dr. S. Manikandan

Dean, Department of Electronics and Communication Engineering, VKS College of Engineering and Technology, Karur (Tamil Nadu), India.

Dr. S. Sasikumar

Department of Electronics and Communication Engineering, Jayaram College of Engineering and Technology, Tiruchirappalli (Tamil Nadu), India.

Dr. Mojtaba Moradi

Associate Professor, Department of Statistics, Faculty of Mathematical Sciences, University of Guilan, Rasht, Iran.

Dr. Neeraj Kumar

Associate Professor, Department of Applied Sciences & Humanities, IIMT Engineering College, Meerut (U.P.), India.

Dr. T. V. Suryanarayana

Associate Professor, Department of ECM, K L University, Green Fields, Vaddeswaram, Guntur (A.P.), India.

Dr. Yaswanth Kumar Avulapati

Department of Computer Science, S.V.U. College of CM & CS, S.V. University, Tirupati (A.P.), India.

Dr. N Dinesh Kumar

Professor, Department of Electronics & Instrumentation, Vignan Institute of Technology and Science, Nalgonda (Telangana), India.

Dr. Deepshikha Bhargava

Associate Professor & Head, Department of Information Technology, Amity University, Jaipur (Rajasthan), India.

Dr. Dinesh Sharma

Associate Professor, Department of Electronics and Communication Engineering, DAV College of Engineering & Technology, Kanina (HR), India.

Dr. Aginam, Chukwurah Henry

Department of Civil Engineering/Structural Engineering, Nnamdi Azikiwe University, Awka, Anambra, Nigeria.

Dr. Messaouda AZZOUZI

Associate Professor, Department of Sciences and Technologies, Djelfa, Algeria.

Dr. Remica Aggarwal

Associate Professor, Department of Management, Birla Institute of Technology and Science, Pilani (Rajasthan), India.

Dr. Dinesh Chandra Jain

Associate Professor, Department of Computer Science & Engineering, Shri Vaishnav Institute of Technology and Science, Indore (M.P.), India.

Dr. Vu Truong Vu

Department of Civil Engineering, Ho Chi Minh City University of Transport, Faculty of Civil Engineering, Binh Thanh, Vietnam.

Dr. Muhammad Farhan

Department of Mathematical Models & Travel Demand Forecasting, Wasatch Front Regional Council, USA.

Dr. S. Sumathi

Professor, Department of Electrical and Electronics Engineering, Vinayaka Mission's Kirupananda Variyar Engineering College, Salem (Tamil Nadu), India.

Dr. G. Subramanya Nayak

Associate Professor, Department of Electronics & Communication Engineering, Manipal Institute of Technology, Manipal University, Manipal (Karnataka), India.

Dr. R. Balamurugan

Professor, Department of Electrical and Electronics Engineering, KSR College of Technology, Tiruchengode (Tamil Nadu), India.

Dr. Ganesh Kumar T

Department of Computer Science and Engineering, Manonmaniam Sundaranar University, Tirunelveli (Tamil Nadu), India.

Dr. K. Siva Rama Krishna

Associate Professor, Department of Civil Engineering, Gitam University, Visakhapatnam (Andhra Pradesh), India.

Dr. P. Sanjeevi Kumar

Associate Professor, Department of Electrical Engineering, Bharathi Street (Puducherry), India.

Dr. DALAH Mohamed

Professor, Department of Mathematics, Faculty of Sciences, University of Constantine, Algeria.

Dr. Shoukat Ali

Professor, Department of Mathematics, Govt. Engineering College Bikaner, Bikaner (Rajasthan), India.

Dr. Vijay K Chaudhari

Professor & Head, Department of Information Technology, Truba Institute of Engineering and Technology, Bhopal (M.P.), India.

Dr. Ricardo Rodriguez Jorge

Associate Professor, Technological University of Ciudad Juarez.

Dr. N. Venkatesan

Associate Professor, Department of IT, Bharathiyar College of Engineering and Technology, Thiruvettakudy (Puducherry), India.

Dr. Syed Umar

Associate Professor, Department of ECM, Koneru Lakshmaiah Education Foundation, Guntur (A.P.), India.

Dr. Manoranjan Pradhan

Professor, Department of Computer Science and Engineering, Gandhi Institute for Technological Advancement, Badaragunathpur (Odisha), India.

Dr. H. S. Behera

Associate Professor, Department of Computer Science and Engineering, Veer Surendra Sai University of Technology, Burla, Sambalpur (Odisha), India.

Dr. Sunil Kumar

Associate Professor, Department of Mathematics, National Institute of Technology, Jharkhand, India.

Dr. Shrikant Tiwari

Associate Professor, Department of Computer Science & Engineering, Shri Shankaracharya Group of Institutions, Chattisgarh, India.

Dr. Ahmed AbdAllah Hassan

Associate Professor, Department of Computer Science and Information, Community College, Taibah University, Al Medina Al Munawara, Saud Arabia.

Dr. Vijay H Mankar

Associate Professor, Department of Electronics and Telecommunication, Govt. Poly Technique, Nagpur (Maharashtra), India.

Dr. Govindaraj Thangavel

Professor & Head, Department of Electronics and Electrical Engineering, Muthayammal Engineering College, Namakkal (Tamil Nadu), India.

Dr. Satish Kumar Peddapelli

Associate Professor, Department of Electrical Engineering, University College of Engineering, Osmania University, Hyderabad (Andhra Pradesh), India.

Dr. Kola Satya Narayana

Pragati Engineering College, East Godavari (Andhra Pradesh), India.

Dr. Pankaj Kumar Sharma

Associate Professor, Department of Electronics and Communication Engineering, Moradabad Institute of Technology, Moradabad (U.P.), India.

Dr. Shaikh Abdul Hannan

Associate Professor, Department of Computer Science, Vivekanand Arts Sardar Dalipsing Arts and Science College, Aurangabad (Maharashtra), India.

Dr. Om Prakash Singh

Associate Professor, School of Engineering, Indian Institute of Technology (IIT) Mandi, Mandi (Himachal Pradesh), India.

Dr. JatinderKumar R. Saini

Associate Professor & Head, Department of Computer Science, Sankalchand Patel College of Engineering, Mehsana (Gujrat), India.

Dr. G. R. Rameshkumar

Senior Lecturer, Department of Mechanical & Industrial Engineering, Caledonian College of Engineering, SEEB, Oman.

Dr. K.S. Zakiuddin

Dean Academics, Professor & Head, Department of Mechanical Engineering, Priyadarshini College of Engineering, Nagpur Maharashtra, India.

Dr. Kamal K Mandal

Associate Professor & Ex-Head, Department of Power Engineering, Jadavpur University, Salt Lake Campus, Kolkata (West Bengal), India.

Dr. Satyanarayana

Professor, Department of Biomedical Engineering, Director of Research, Orthopaedic Surgery, Wayne State University, Bioengineering Center, Michigan, USA.

Dr. Chitra Dhawale

Department of M.C.A , P. R. Patil Group of Educational Institutes, Amravati (Maharashtra), India.

Dr. Abdul Mutalib Leman

Associate Professor, Faculty of Mechanical and Manufacturing Engineering, University Tun Hussein Onn Malaysia, Malaysia.

Dr. Ashis Banerjee

400 Stone Break Extension, Malta, NY 12020, USA.

Dr. B. L Dhananjaya

Associate Professor, School of Chemical and Biotechnology (SCBT), SASTRA University, Thirumalaisamudram (Tamil Nadu), India.

Dr. S. Kishore Reddy

Associate Professor, Department of Electronics & Communication Engineering, Swarna Bharathi College of Engineering, Khammam (Andhra Pradesh), India.

Dr. Rajesh Singh

Head, Institute of Robotics Technology, University of Petroleum and Energy Studies, Dehradun (Uttarakhand), India.

Dr. Binay Kumar

Associate Professor, Department of Applied Science, Dronacharya College of Engineering, Gurgaon (Delhi), India.

Dr. V. Sekar

Professor, Department of Electronics and Electrical Engineering, Principal Dhanalakshmi Srinivasan Institute of Technology, Samayapuram (Tamil Nadu), India.

Dr. S. Prabu

Associate Professor, Department of Computing Science and Engineering, VIT University Vellore (Tamil Nadu), India.

Dr. Mohammad Israr

Principal, Department of Mechanical Engineering, Balaji Engineering College Junagadh (Gujarat) India.

Dr. A. Siva Kumar

Professor & Head, Department of Mechanical Engineering, MLR Institute of Technology, Dundigal (Hyderabad), India.

Dr. Joydip Sengupta

Assistant Professor & Head, Department of Electronic Science, Jogesh Chandra Chaudhuri College (Affiliated to University of Calcutta), Kolkata (West Bengal), India.

Dr. B. P. Ladgaonkar

Associate Professor & Head, Department of Electronics, Shankarrao Mohite Mahavidyalaya, Akhuj (Maharashtra), India.

Dr. E. Mohan

Professor & Head, Department of Computer Science and Engineering, Pallavan College of Engineering, Kanchipuram (Tamilnadu), India.

Dr. M. Shanmuga Priya

Associate Professor, Department of Biotechnology, MVJ College of Engineering, Bangalore (Karnataka), India.

Dr. Leena Jain

Associate Professor & Head, Department of Computer Applications, Global Institute of Management & Emerging Technologies, Amritsar (Punjab), India.

Dr. S.S.S.V Gopala Raju

Professor, Department of Civil Engineering, GITAM School of Technology, GITAM, University, Hyderabad (Andhra Pradesh), India.

Dr. Ani Grubisic

Department of Computer Science, Teslina 12, 21000 split, Croatia.

Dr. Ashish Paul

Associate Professor, Department of Basic Sciences (Mathematics), Assam Don Bosco University, Guwahati (Assam), India.

Dr. Sivakumar Durairaj

Professor, Department of Civil Engineering, Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Chennai (Tamil Nadu), India.

Dr. Rashmi Nigam

Associate Professor, Department of Applied Mathematics, University Institute of Technology RGPV, Bhopal, (M.P.), India.

Dr. Mu-Song Chen

Associate Professor, Department of Electrical Engineering, Da-Yeh University, Taiwan, China.

Dr. Ramesh S

Associate Professor, Department of Electronics & Communication Engineering, Dr. Ambedkar Institute of Technology, Bangalore (Karnataka), India.

Dr. Nor Hayati Abdul Hamid

Associate Professor, Department of Civil Engineering, University Teknologi Mara, Selangor, Malaysia.

Dr. C. Nagarajan

Professor & Head, Department of Electrical & Electronic Engineering, Muthayammal Engineering College, Rasipuram (Tamil Nadu), India.

Dr. Ilaria Cacciotti

Department of Industrial Engineering, University of Rome Tor Vergata Via del Politecnico, Rome-Italy.

Dr. V. Balaji

Principal Cum Professor, Department of Electronics and Electrical Engineering and E & I, Lord Ayyappa Institute of Engineering and Technology, Kanchipuram (Tamil Nadu), India.

Dr. G. Anjan Babu

Associate Professor, Department of Computer Science, S V University, Tirupati (Andhra Pradesh), India.

Dr. Damodar Reddy Edla

Associate Professor, Department of Computer Science & Engineering, National Institute of Technology, Farmagudi (Goa), India.

Dr. D. Arumuga Perumal

Professor, Department of Mechanical Engineering, Noorul Islam University, Kanyakumari (Tamil Nadu), India.

Dr. Roshdy A. AbdelRassoul

Professor, Department of Electronics and Communications Engineering, Arab Academy for Science and Technology, Abu-Qir, Alexandria, Egypt.

Dr. Aniruddha Bhattacharya

Associate Professor & Head, Department of Computer Science & Engineering, Amrita School of Engineering, Bangalore (Karnataka), India.

Dr. P. Venkateswara Rao

Professor, Department of Mechanical Engineering, Kakatiya Institute of Technology and Science, Warangal (Telangana), India.

Dr. V. Mahalakshmi M.L

Associate Professor & Head, Institute of Management Studies, Chennai CID Quarters, Mandaveli (Chennai), India.

Dr. Rajeshkumar U. Sambhe

Associate Professor & Head, Department of Mechanical, Jawaharlal Darda Institute of Engineering and Technology, Yavatmal (Maharashtra), India.

Dr. Ashok G. Matani

Associate Professor, Department Mechanical Engineering, Govt. College of Engineering, Vidarbha Mahavidyalaya, Amravati (Maharashtra), India.

Dr. Gamze OZ E L

Department Statistics, Faculty of Science, Hacettepe University Ankara, Turkey.

Dr. M V Ragahavendra

Associate Professor, Department Electronics & Communication, Adama Science & Technology University, Adama, Ethiopia.

Dr. A. Selvan

Associate Professor, Department Chemistry, Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Avadi (Tamil Nadu), India.

Dr. R. V. Krishnaiah

Professor & Head, Department of Computer Science & Engineering, DRK Institute of Science and Technology, Hyderabad (Telangana), India.

Dr. Jamshid Nazemi

Associate Professor, Department Industrial Engineering, Science & Research Branch, Azad University, Poonak (Tehran), Iran.

Dr. V. Shanmugaraju

Associate Professor & Head, Department Biotechnology, Dr. NGP Arts and Science College, Bangalore (Karnataka), India.

Dr. Soni Changlani

Professor, Department of Electronics & Communication, Lakshmi Narain College of Technology & Science, Bhopal (M.P.), India.

Dr. M. M. Manyuchi

Professor, Department Chemical and Process Systems Engineering, Lecturer-Harare Institute of Technology, Zimbabwe.

Dr. John Kaiser S. Calautit

Professor, Department Civil Engineering, School of Civil Engineering, University of Leeds, Leeds, United Kingdom.

Dr. Audai Hussein Al-Abbas

Deputy Head, Department AL-Musaib Technical College, Foundation of Technical Education, Babylon, Iraq.

Dr. Şeref Doğuşcan Akbaş

Professor, Department Civil Engineering, Şehit Muhtar Mah. Öğüt Sok. Beyoğlu Istanbul, Turkey.

Dr. H S Behera

Associate Professor, Department Computer Science & Engineering, Veer Surendra Sai University of Technology (VSSUT) A Unitary Technical University Established by the Government of Odisha, India.

Dr. Rajeev Tiwari

Associate Professor, Department Computer Science & Engineering, University of Petroleum & Energy Studies (UPES), Bidholi (Uttarakhand), India.

Dr. Piyush Kumar Shukla

Associate Professor, Department of Computer Science and Engineering, University Institute of Technology, RGPV University, Bhopal (M.P.), India.

Dr. Piyush Lotia

Associate Professor, Department of Electronics and Instrumentation, Shankaracharya College of Engineering and Technology, Bhilai (C.G.), India.

Dr. Asha Rai

Associate Professor, Department of Communication Skills, Technocrat Institute of Technology, Bhopal (M.P.), India.

Dr. Vahid Nourani

Associate Professor, Department of Civil Engineering, University of Minnesota, USA.

Dr. Hung-Wei Wu

Associate Professor, Department of Computer and Communication, Kun Shan University, Taiwan.

Dr. Vuda Sreenivasarao

Associate Professor, Department of Computer and Information Technology, Defence University College, Debrezeit Ethiopia.

Dr. Sanjay Bhargava

Associate Professor, Department of Computer Science, Banasthali University, Jaipur (Rajasthan), India.

Dr. Sanjoy Deb

Associate Professor, Department of Electrical Communication Engineering, BIT Sathy, Sathyamangalam (Tamil Nadu), India.

Dr. Papita Das (Saha)

Associate Professor, Department of Biotechnology, National Institute of Technology, Durgapur (West Bengal), India.

Dr. Waail Mahmud Lafta Al-waely

Associate Professor, Department of Mechatronics Engineering, Al-Mustafa University College, AL-SAAKKRA Square, Baghdad-Iraq.

Dr. P. P. Satya Paul Kumar

Associate Professor, Department of Physical Education & Sports Sciences, University College of Physical Education & Sports Sciences, Guntur (Andhra Pradesh), India.

Dr. Sohrab Mirsaedi

Associate Professor, Department of Electrical Engineering, Universiti Teknologi Malaysia (UTM), Skudai (Johor), Malaysia.

Dr. Omed Ghareb Abdullah

Associate Professor, Department of Physics, School of Science, University of Sulaimani, Iraq.

Dr. Khaled Eskaf

Associate Professor, Department of Computer Engineering, College of Computing and Information Technology, Alexandria, Egypt.

Dr. Nitin W. Ingole

Associate Professor & Head, Department of Civil Engineering, Prof Ram Meghe Institute of Technology and Research, Badnera Amravati (Maharashtra), India.

Dr. P. K. Gupta

Associate Professor, Department of Computer Science and Engineering, Jaypee University of Information Technology, Solan (Himachal Pradesh), India.

Dr. P. Ganesh Kumar

Associate Professor, Department of Electronics & Communication, Sri Krishna College of Engineering and Technology, Linyi Top Network Co Ltd Linyi, China.

Dr. Santhosh K V

Associate Professor, Department of Instrumentation and Control Engineering, Manipal Institute of Technology, Manipal (Karnataka), India.

Dr. Subhendu Kumar Pani

Associate Professor, Department of Computer Science and Engineering, Orissa Engineering College, Bhubaneswar (Odisha), India.

Dr. Syed Asif Ali

Professor & Chairman, Department of Computer Science, SMI University, Karachi, Pakistan.

Dr. Vilas Warudkar

Associate Professor, Department of Mechanical Engineering, Maulana Azad National Institute of Technology, Bhopal (M.P.), India.

Dr. S. Chandra Mohan Reddy

Associate Professor & Head, Department of Electronics & Communication Engineering, JNTUA College of Engineering (Autonomous), Cuddapah (Andhra Pradesh), India.

Dr. V. Chittaranjan Das

Associate Professor, Department of Mechanical Engineering, R.V.R. & J.C. College of Engineering, Guntur (Andhra Pradesh), India.

Dr. Jamal Fathi Abu Hasna

Associate Professor, Department of Electrical & Electronics and Computer Engineering, Near East University, TRNC, Turkey.

Dr. S. Deivanayaki

Associate Professor, Department of Physics, Sri Ramakrishna Engineering College, Coimbatore (Tamil Nadu), India.

Dr. Nirvesh S. Mehta

Professor, Department of Mechanical Engineering, Sardar Vallabhbhai National Institute of Technology, Surat (Gujarat), India.

Dr. A.Vijaya Bhasakar Reddy

Associate Professor, Research Scientist, Department of Chemistry, Sri Venkateswara University, Tirupati (Andhra Pradesh), India.

Dr. C. Jaya Subba Reddy

Associate Professor, Department of Mathematics, Sri Venkateswara University, Tirupathi (Andhra Pradesh), India.

Dr. Balbir Singh

Associate Professor, Department of Health Studies, Human Development Area, Administrative Staff College of India, Bella Vista (Andhra Pradesh), India.

Dr. D. RAJU

Associate Professor, Department of Mathematics, Vidya Jyothi Institute of Technology (VJIT), Hyderabad (Telangana), India.

Dr. Salim Y. Amdani

Associate Professor & Head, Department of Computer Science Engineering, B. N. College of Engineering, Pusad (M.S.), India.

Dr. K. Kiran Kumar

Associate Professor, Department of Information Technology, Bapatla Engineering College, Bapatla (Andhra Pradesh), India.

Dr. Md. Abdullah Al Humayun

Associate Professor, Department of Electrical Systems Engineering, University Malaysia Perlis, Malaysia.

Dr. Vellore Vasu

Teaching Assistant, Department of Mathematics, S.V. University, Tirupati (Andhra Pradesh), India.

Dr. Naveen K. Mehta

Associate Professor & Head, Department of Communication Skills, Mahakal Institute of Technology, Ujjain (M.P.), India.

Dr. Gujar Anant Kumar Jotiram

Associate Professor, Department of Mechanical Engineering, Ashokrao Mane Group of Institutions, Vathar (Maharashtra), India.

Dr. Pratibhamoy Das

Scientist, Department of Mathematics, IMU Berlin Einstein Foundation Fellow Technical University of Berlin, Germany.

Dr. Messaouda AZZOUZI

Associate Professor, Department of Sciences & Technology, University of Djelfa, Algeria.

Dr. Vandana Swarnkar

Associate Professor, Department of Chemistry, Jiwaji University, Gwalior (M.P.), India.

Dr. Arvind K. Sharma

Associate Professor, Department of Computer Science Engineering, University of Kota, Kabir Circle (Rajasthan), India.

Dr. R. Balu

Associate Professor, Department of Computr Applications, Bharathiar University, Coimbatore (Tamil Nadu), India.

Dr. S. Suriyanarayanan

Associate Professor, Department of Water and Health, Jagadguru Sri Shivarathreeswara University, Mysuru (Karnataka), India.

Dr. Dinesh Kumar

Associate Professor, Department of Mathematics, Pratap University, Jaipur (Rajasthan), India.

Dr. Sandeep N

Associate Professor, Department of Mathematics, Vellore Institute of Technology, Vellore (Tamil Nadu), India.

Dr. Dharmpal Singh

Associate Professor, Department of Computer Science Engineering, JIS College of Engineering, Kalyani (West Bengal), India.

Dr. Farshad Zahedi

Associate Professor, Department of Mechanical Engineering, University of Texas at Arlington, Tehran, Iran.

Dr. Atishey Mittal

Associate Professor, Department of Mechanical Engineering, SRM University, NCR Campus Meerut Delhi Road Modinagar (Aligarh), India.

Dr. Hussein Togun

Associate Professor, Department of Mechanical Engineering, University of Thiqr, Iraq.

Dr. Shrikaant Kulkarni

Associate Professor, Department of Senior Faculty Vishwakarma Institute of Technology, Pune (M.S.), India.

Dr. Mukesh Negi

Project Manager, Department of Computer Science & IT, Mukesh Negi, Project Manager, Noida (U.P), India.

Dr. Sachin Madhavrao Kanawade

Associate Professor, Department Chemical Engineering, Pravara Rural Education Society's, Sir Visvesvaraya Institute of Technology, Nashik (Maharashtra), India.

Dr. Ganesh S Sable

Professor, Department of Electronics and Telecommunication, Maharashtra Institute of Technology Satara Parisar, Aurangabad (Maharashtra), India.

Dr. T.V. Rajini Kanth

Professor, Department of Computer Science Engineering, Sreenidhi Institute of Science and Technology, Hyderabad (Telangana), India.

Dr. Anuj Kumar Gupta

Associate Professor, Department of Computer Science & Engineering, RIMT Institute of Engineering & Technology, Godindgarh (Punjab), India.

Dr. Hasan Ashrafi- Rizi

Associate Professor, Medical Library and Information Science Department of Health Information Technology Research Center, Isfahan University of Medical Sciences, Isfahan, Iran.

Dr. Golam Kibria

Associate Professor, Department of Mechanical Engineering, Aliah University, Kolkata (West Bengal), India.

Dr. Mohammad Jannati

Professor, Department of Energy Conversion, UTM-PROTON Future Drive Laboratory, Faculty of Electrical Engineering, University of Technology, Malaysia.

Dr. Mohammed Saber Mohammed Gad

Professor, Department of Mechanical Engineering, National Research Center, Cairo, Egypt.

Dr. V. Balaji

Professor, Department of Electronics and Electrical Engineering, Sapthagiri College of Engineering Periyannahalli, (Taluk) Dharmapuri.

Dr. Naveen Beri

Associate Professor, Department of Mechanical Engineering, BEANT College of Engineering & Technology, Gurdaspur (Punjab), India.

Dr. Abdel-Baset H. Mekky

Associate Professor, Department of Physics, Buraydah Colleges Al Qassim / Saudi Arabia.

Dr. T. Abdul Razak

Associate Professor, Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli (Tamil Nadu), India.

Dr. Preeti Singh Bahadur

Associate Professor, Department of Applied Physics Amity University, Greater Noida (U.P.) India.

Dr. Ramadan Elaiees

Associate Professor, Department of Information Studies, Faculty of Arts University of Benghazi, Libya.

Dr. R. Emmaniel

Professor & Head, Department of Business Administration St. Ann's College of Engineering and Technology, Chirala (A.P), India.

Dr. C. Phani Ramesh

Director cum Associate Professor, Department of Computer Science Engineering, PRIST University, Manamai (Tamil Nadu), India.

Dr. Rachna Goswami

Associate Professor, Department of Faculty in Bio-Science, Rajiv Gandhi University of Knowledge Technologies (RGUKT) Krishna (Andhra Pradesh), India.

Dr. Sudhakar Singh

Associate Professor & Head, Department of Physics and Computer Science, Sardar Patel College of Technology, Balaghat (M.P.), India.

Dr. Xiaolin Qin

Associate Professor & Assistant Director of Laboratory for Automated Reasoning and Programming, Chengdu Institute of Computer Applications, Chinese Academy of Sciences, China.

Dr. Maddila Lakshmi Chaitanya

Associate Professor, Department of Mechanical, Pragati Engineering College, Godavari (A.P.), India.

Dr. Jyoti Anand

Assistant Professor, Department of Mathematics, Dronacharya College of Engineering, Gurgaon (Haryana), India.

Dr. Nasser Fegh-hi Farahmand

Associate Professor, Department of Industrial Management, College of Management, Economy and Accounting, Tabriz Branch, Islamic Azad University, Tabriz, Iran

Dr. Ravindra Jilte

Assistant Professor & Head, Department of Mechanical Engineering, Vidyavardhini College of Engineering and Technology, University of Mumbai, Vasai (Maharashtra), India.

Dr. Sarita Gajbhiye Meshram

Research Scholar, Department of Water Resources, Development & Management Indian Institute of Technology, Roorkee (Uttarakhand), India.

Dr. G. Komarasamy

Associate Professor, Senior Grade, Department of Computer Science & Engineering, Bannari Amman Institute of Technology, Sathyamangalam (Tamil Nadu), India.

Dr. P. Raman

Professor, Department of Management Studies, Panimalar Engineering College, Chennai (Tamil Nadu) India.

Dr. M. Anto Bennet

Professor, Department of Electronics & Communication Engineering, Vel-Tech Engineering College, Chennai (Tamil Nadu), India.

Dr. P. Keerthika

Associate Professor, Department of Computer Science & Engineering, Kongu Engineering College, Perundurai (Tamil Nadu), India.

Dr. Santosh Kumar Behera

Associate Professor, Department of Education, Sidho-Kanho-Birsha University, Purulia (West Bengal), India.

Dr. P. Suresh

Associate Professor, Department of Information Technology, Kongu Engineering College Perundurai (Tamil Nadu), India.

Dr. Santosh Shivajirao Lomte

Associate Professor, Department of Computer Science and Information Technology, Radhai Mahavidyalaya, Aurangabad Gymkhana, (Maharashtra), India.

Dr. Altaf Ali Siyal

Professor, Department of Land and Water Management, Sindh Agriculture University Tandojam, Pakistan.

Dr. Mohammad Valipour

Associate Professor, Sari Agricultural Sciences and Natural Resources University, Sari, Iran.

Dr. Prakash H. Patil

Vice Principal and Professor, Department of Electronics and Tele-Communication Engineering, Dr. D.Y. Patil College of Engineering, Pune (Maharashtra), India.

Dr. Smolarek Malgorzata

Associate Professor, Department of Institute of Management and Economics, High School of Humanitas in Sosnowiec, Wyższa Szkoła Humanitas Instytut Zarządzania i Ekonomii ul. Kilińskiego Sosnowiec Poland.

Dr. Umakant Vyankatesh Kongre

Associate Professor, Department of Mechanical Engineering, Jawaharlal Darda Institute of Engineering and Technology, Yavatmal (Maharashtra), India.

Dr. Niranjana S

Associate Professor, Department of Biomedical Engineering, Manipal Institute of Technology (MIT) Manipal University, Manipal (Karnataka), India

Dr. Naseema Khatoon

Associate Professor, Department of Chemistry, Integral University Lucknow (U.P), India.

Dr. P. Samuel

Associate Professor, Department of English, KSR College of Engineering Tiruchengode, Namakkal (Tamil Nadu), India.

Dr. Mohammad Sajid

Associate Professor, Department of Mathematics, College of Engineering Qassim University Buraidah, Al-Qassim Saudi Arabia.

Dr. Sanjay Pachauri

Associate Professor, Department of Computer Science & Engineering, IMS Unison University Makkawala Greens Dehradun (UK). India.

Dr. S. Kishore Reddy

Professor, Department of School of Electrical & Computer Engineering, Adama Science & Technology University, Adama, Ethiopia.

Dr. Muthukumar Subramanyam

Professor, Department of Computer Science & Engineering, National Institute of Technology, Puducherry, India

Dr. Latika Kharb

Associate Professor, Faculty of Information Technology, Jagan Institute of Management Studies (JIMS), Rohini (Delhi), India.

Dr. Kusum Yadav

Associate Professor, Department of Information Systems, College of Computer Engineering & Science Salman bin Abdulaziz University, Saudi Arabia.

Dr. Preeti Gera

Associate Professor, Department of Computer Science & Engineering, Savera Group of Institutions, Gurgaon (Haryana), India.

Dr. Ajeet Kumar

Associate Professor, Department of Chemistry and Biomolecular Science, Clarkson University, Clarkson Avenue, New York.

Dr. M. Jinnah S Mohamed

Associate Professor, Department of Mechanical Engineering, National College of Engineering, Tirunelveli (Tamil Nadu), India.

Dr. Mostafa Eslami

Assistant Professor, Department of Mathematics, University of Mazandaran Babolsar, Iran.

Dr. Akram Mohammad Hassan Elentably

Professor, Department of Economics of Maritime Transport, Faculty of Maritime Studies, King Abdulaziz University, Jeddah, Saudi Arabia.

Dr. Aarti Tolia

Faculty, Prahaldbhai Dalmia Lions College of Commerce & Economics, Mumbai (Maharashtra), India.

Dr. Ramachandra C G

Professor & Head, Department of Marine Engineering, Srinivas Institute of Technology, Mangalore (Karnataka), India.

Dr. G. Anandharaj

Associate Professor, Department of M.C.A, Ganadipathy Tulsi's Jain Engineering College, Vellore (Tamil Nadu), India.

Dr. Najmuddin Ahmad

Associate Professor, Department of Mathematics, Faculty of Applied Science, Integral University, Lucknow (U.P), India.

Dr. Kaikai Xu

Associate Professor, School of Microelectronics and Solid-State Electronics, State Key Laboratory of Electronic Thin Films and Integrated Devices, University of Electronic Science and Technology of China (UESTC), China.

Dr. V. V. Prathibha Bharathi

Associate Professor, Department of Mechanical Engineering, Malla Reddy College of Engineering, Maisammaguda (Telangana), India.

Dr. Smita Selot

Head & Professor, Department of Computer Applications, Shri Shankaracharya College of Engineering and Technology, Bhilai (Chhattisgarh), India.

Dr. S. Balamurugan

Director-Research & Development, Mindnotix Technologies, Coimbatore (Tamil Nadu), India.

Dr. Suresh D. Mane

Professor, Department of Mechanical Engineering, Shaikh College of Engineering & Technology, Belagavi (Karnataka), India.

Dr. Mohmaed Abdel Fattah Ashabrawy

Associate Professor, Reactors Department, Atomic Energy Authority, Egypt – IAM NOW Salman bin Abdulaziz University, Kingdom Saudi Arabia. (KSA)

Dr. Shiv Kumar Verma

Associate Professor, Department of Computer Science & Engineering, University Institute of Engineering Chandigarh University, Gharuan (Punjab), India.

Dr. Mohamed Abd El-Basset Matwalli

Associate Professor, Department of Operations Research & Decision Support System, Faculty of Computers and Informatics, Zagazig University, Egypt.

Dr. Vikas Maheshwari

Associate Professor, Department of Electrical Communication Engineering, Amity University, Gwalior (M.P), India.

Dr. Sudhakara A

Associate Professor, Department of Chemistry, Jain Institute of Technology, Davanagere (Karnataka), India.

Dr. Jammi Ashok

Associate Professor, Department of Electrical and Computer Engineering, Hawassa University, Hawassa, East Africa.

Dr. Mohamed Ashabrawy

Associate Professor, Department of Computer Science, Salman bin Abdulaziz University Kingdom, Saudi Arabia.

Dr. Omer Muhammad Ayoub

Associate Professor, Department of Computer Science, Affected Center Abdullah Sulayman, Al-Fayyaz, Jeddah, KSA Saudi Arabia.

Dr. M. Seenivasan

Associate Professor, Department of Mathematics, Annamalai University, Chidambaram (Tamil Nadu), India.

Dr. S.V.G.V.A. Prasad

Associate Professor, Department of Physics, Ideal College of Arts & Sciences, Kakinada (A.P), India.

Dr. S. Omkumar

Associate Professor, Department of Electronics and Communication Engineering, SCSVMV University, Enathur (Tamil Nadu), India.

Dr. Yousef FARHAOUI

Associate Professor, Department of Computer Science, Faculty of Sciences and Technic, Moulay Ismail University, Boutalamine, Errachidia, Morocco.

Dr. Gutta Sridevi

Associate Professor, Department of Computer Science & Engineering, K L University, Vaddeswaram, Guntur (DT) (A.P.), India.

Dr. Debmalya Bhattacharya

Associate Professor, Department of Electronics & Communication Engineering, University of Technology & Management, Bawri Mansion, Dhankheti (Meghalaya), India.

Dr. K. Harinadha Reddy

Professor, Department of Electrical and Electronics Engineering, L B R College of Engineering, Mylavaram, Krishna (Andhra Pradesh), India.

Dr. C. Gajendran

Associate Professor, Department of Civil Engineering, Karunya Nagar, Karunya University, Coimbatore (Tamil Nadu), India.

Dr. Dibya Prakash Rai

Assistant Professor, Department of Physics, College of Aizawl, Pachhunga University, Mizoram, India.

Dr. Sreenivasa Reddy

Associate Professor, Department of Chemistry, Sri Krishnadevaraya University, Anantapur (A.P.), India.

Dr. P. K. Dhal

Associate Professor, Department of Electrical and Electronics Engineering, Vel Tech Dr. RR & Dr. SR Technical University, Chennai (Tamil Nadu), India.

Dr. M. A. Ashabrawy

Associate Professor, Department of Computer Science, Atomic Energy Authority, Salman bin Abdulaziz University, Al Kharj Saudi Arabia.

Dr. K. Meenakshi Sundaram

Professor & Head, Department of Computer Science, Agnel Institute of Technology and Design, Assagao – Bardez, Goa. India.

Dr. Persis Voola

Associate Professor, Department of Computer Science and Engineering, Adikavi Nannaya University, Rajahmundry (Andhra Pradesh), India.

Dr. Abhijit Banerjee

Associate Professor, Department of Electronics and Instrumentation Engineering, Academy of Technology, Hooghly (West Bengal), India.

Dr. D. Amaranatha Reddy

Associate Professor, Department of Chemistry, Pusan National University, Busan, South Korea.

Dr. A. Heidari

Associate Professor, Department of Chemistry, Postdoctoral Research Fellow, California South University (CSU), Irvine, California, USA.

2012

Editor-In-Chief**Dr. Shiv Kumar**

Ph.D. (CSE), M.Tech. (IT, Honors), B.Tech. (IT), IEEE Member

Director, Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd., Bhopal(M.P.), India

Professor, Department of Computer Science & Engineering, Lakshmi Narain College of Technology-Excellence (LNCTE), Bhopal (M.P.), India

Associated Editor-In-Chief**Dr. Kapil Kumar Bansal**

Head (Research and Publication), SRM University, Gaziabad (U.P.), India.

Scientific Editors**Dr. Moinuddin Sarker**

Vice President of Research & Development, Head of Science Team, Natural State Research, Inc., 37 Brown House Road (2nd Floor) Stamford, USA.

Dr. Shanmugha Priya. Pon

Principal, Department of Commerce and Management, St. Joseph College of Management and Finance, Makambako, Tanzania, East Africa, Tanzania

Dr. Veronica Mc Gowan

Associate Professor, Department of Computer and Business Information Systems, Delaware Valley College, Doylestown, PA, Allman, China.

Dr. Mohd. Nazri Ismail

Professor, System and Networking Department, Jalan Sultan Ismail, Kuala Lumpur, Malaysia

Dr. Fadiya Samson Oluwaseun

Assistant Professor, Girne American University, as a Lecturer & International Admission Officer (African Region) Girne, Northern Cyprus, Turkey.

Dr. Kakoli Das

Principal Engineer, Globalfoundries, New York, USA

Dr. M. Madijagan

BITS Pilani, Dubai Campus, DIAC, Dubai, United Arab, UAE

Dr. Pavol Tanuska

Associate Professor, Department of Applied Informatics, Automation, and Mathematics, Trnava, Slovakia

Dr. Robert Brian Smith

International Development Assistance Consultant, Department of AEC Consultants Pty Ltd, AEC Consultants Pty Ltd, Macquarie Centre, North Ryde, New South Wales, Australia

Dr. Durgesh Mishra

Chairman, IEEE Computer Society Chapter Bombay Section, Chairman IEEE MP Subsection, Professor & Dean (R&D), Acropolis Institute of Technology, Indore (M.P.), India

Dr. Sandra De Iaco

Professor, Dip.to Di Scienze Dell'Economia-Sez. Matematico-Statistica, Italy

Executive Editors**Dr. Yu Qi**

Department of Computer Science, 30 Montgomery Street, Jersey, NJ, USA.

Dr. Vahid Nourani

Professor, Faculty of Civil Engineering, University of Tabriz, Iran.

Prof.(Dr.) Anuranjan Misra

Professor & Head, Department of Computer Science & Engineering and Information Technology, Noida International University, Noida (U.P.), India.

Dr. TOFAN Cezarina Adina

Associate Professor, Department of Sciences Engineering, Spiru Haret University, Arges, Romania.

Dr. Deepak Garg

Professor, Department of Computer Science and Engineering, Thapar University, Patiala (Punjab), India, Senior Member of IEEE, Secretary of IEEE Computer Society (Delhi Section), Life Member of Computer Society of India (CSI), Indian Society of Technical Education (ISTE), Indian Science Congress Association Kolkata.

Dr. Dinesh Varshney

Director of College Development Counseling, Devi Ahilya University, Indore (M.P.), Professor, School of Physics, Devi Ahilya University, Indore (M.P.), and Regional Director, Madhya Pradesh Bhoj (Open) University, Indore (M.P.), India

Dr. Saber Mohamed Abd-Allah

Associate Professor, Department of Biochemistry, Shanghai Institute of Biochemistry and Cell Biology, Shanghai, China.

Dr. Xiaoguang Yue

Associate Professor, Department of Computer and Information, Southwest Forestry University, Kunming (Yunnan), China.

Dr. Labib Francis Gergis Rofaiel

Associate Professor, Department of Digital Communications and Electronics, Misr Academy for Engineering and Technology, Mansoura, Egypt.

Dr. Ravindra Prakash Gupta

Principal, Maharishi Arvind College of Engineering and Research Center, Jaipur (Rajasthan), India.

Advisory Chair**Dr. Uma Shanker**

Professor & Head, Department of Mathematics, Chouksey Engineering College, Bilaspur (C.G.), India.

Dr. Rama Shanker

Professor & Head, Department of Statistics, Eritrea Institute of Technology, Asmara, Eritrea.

Dr. Vinita Kumari

Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd., India

Dr. Sadhana Vishwakarma

Associate Professor, Department of Chemistry, Technocrat Institute of Technology, Bhopal (M.P.), India.

Dr. Kamal Mehta

Associate Professor, Department of Computer Engineering, Institute of Technology, NIRMA University, Ahmedabad (Gujarat), India.

Dr. Suresh Babu Perli

Professor & Head, Department of Electrical and Electronic Engineering, Narasaraopeta Engineering College, Guntur (A.P.), India.

Dr. Binod Kumar

Associate Professor, School of Engineering and Computer Technology, Faculty of Integrative Sciences and Technology, Quest International University, Ipoh, Perak, Malaysia.

Dr. Chiladze George

Professor, Faculty of Law, Akhaltsikhe State University, Tbilisi University, Georgia.

Dr. Kavita Khare

Professor, Department of Electronics & Communication Engineering., MANIT, Bhopal (M.P.), India.

Dr. C. Saravanan

Associate Professor (System Manager) & Head, Computer Center, NIT, Durgapur (W.B), India.

Dr. S. Saravanan

Professor, Department of Electrical and Electronics Engineering, Muthayamal Engineering College, Resipuram (Tamilnadu), India.

Dr. Amit Kumar Garg

Professor & Head, Department of Electronics and Communication Engineering, Maharishi Markandeshwar University, Mullana Ambala (Haryana), India.

Dr. Kamal K Mehta

Associate Professor, Department of Computer Engineering, Institute of Technology, NIRMA University, Ahmedabad (Gujarat), India.

Dr. Sahab Singh

Associate Professor, Department of Management Studies, Dronacharya Group of Institutions, Greater Noida (U.P), India.

Dr. Umesh Kumar

Principal, Govt Women Poly, Ranchi (Jharkhand), India.

Dr. Jaswant Singh Bhomrah

Director, Department of Profit Oriented Technique, Navsari (Gujarat), India.

Technical Chair**Dr. Mohd. Husain**

Director. MG Institute of Management & Technology, Banthara, Lucknow (U.P.), India.

Dr. T. Jayanthi

Principal, Panimalar Institute of Technology, Chennai (TN), India.

Dr. Umesh A.S.

Director, Technocrats Institute of Technology & Science, Bhopal (M.P.), India.

Dr. B. Kanagasabapathi

Infosys Labs, Infosys Limited, Center for Advance Modeling and Simulation, Infosys Labs, Infosys Limited, Electronics City, Bangalore, India.

Dr. C.B. Gupta

Professor, Department of Mathematics, Birla Institute of Technology & Sciences, Pilani (Rajasthan), India.

Dr. Jaydeb Bhaumik

Associate Professor, Department of Electronics & Communication Engineering, Haldia Institute of Technology, Haldia (Bengal), India.

Dr. Rajesh Das

Associate Professor, School of Applied Sciences, Haldia Institute of Technology, Haldia (West Bengal), India.

Dr. Mrutyunjaya Panda

Professor & Head, Department of EEE, Gandhi Institute for Technological Development, Bhubaneswar, Odisha, India

Dr. Mohd. Nazri Ismail

Associate Professor, Department of System and Networking, University of Kuala (UniKL), Kuala Lumpur, Malaysia.

Dr. Haw Su Cheng

Faculty of Information Technology, Multimedia University (MMU), Jalan Multimedia (Cyberjaya), Malaysia.

Dr. Hossein Rajabalipour Cheshmehgaz

Department of Industrial Modeling and Computing, Faculty of Computer Science and Information Systems, Universiti Teknologi Malaysia (UTM) 81310, Skudai, Malaysia.

Dr. Sudhinder Singh Chowhan

Associate Professor, Institute of Management and Computer Science, NIMS University, Jaipur (Rajasthan), India.

Dr. Neeta Sharma

Professor & Head, Department of Communication Skills, Technocrat Institute of Technology, Bhopal (M.P.), India.

Dr. Ashish Rastogi

Associate Professor, Department of CS & IT, Guru Ghansi Das University, Bilaspur (C.G.), India.

Dr. Santosh Kumar Nanda

Professor, Department of Computer Science and Engineering, Eastern Academy of Science and Technology (EAST), Khurda (Orisa), India.

Dr. Hai Shanker Hota

Associate Professor, Department of CSIT, Guru Ghansi Das University, Bilaspur (C.G.), India.

Dr. Sunil Kumar Singla

Professor, Department of Electrical and Instrumentation Engineering, Thapar University, Patiala (Punjab), India.

Dr. A. K. Verma

Professor, Department of Computer Science and Engineering, Thapar University, Patiala (Punjab), India.

Dr. Mohd. Ali Hussain

Professor, Department of Computer Science and Engineering, Sri Sai Madhavi Institute of Science & Technology, Rajahmundry (A.P.), India.

Dr. Sunil Mishra

Associate Professor, Department of Communication Skills (English), Dronacharya College of Engineering, Farrukhnagar, Gurgaon (Haryana), India.

Dr. VS Giridhar Akula

Professor, Avanthi's Research & Technological Academy, Gunthapally, Hyderabad (Andhra Pradesh), India.

Dr. S. Satyanarayana

Associate Professor, Department of Computer Science and Engineering, KL University, Guntur (Andhra Pradesh), India.

Dr. Bhupendra Kumar Sharma

Associate Professor, Department of Mathematics, KL University, BITS Pilani (Rajasthan), India.

Dr. Praveen Agarwal

Associate Professor & Head, Department of Mathematics, Anand International College of Engineering, Jaipur (Rajasthan), India.

Dr. Manoj Kumar

Professor, Department of Mathematics, Rashtriya Kishan Post Graduate Degree, College, Shamli (U.P.), India.

Dr. Shaikh Abdul Hannan

Associate Professor, Department of Computer Science, Vivekanand Arts Sardar Dalipsing Arts and Science College, Aurangabad (Maharashtra), India.

Dr. K.M. Pandey

Professor, Department of Mechanical Engineering, National Institute of Technology, Silchar (Assam), India.

Dr. Biswajit Chakraborty

MECON Limited, Research and Development Division (A Govt. of India Enterprise), Ranchi (Jharkhand), India.

Dr. D. V. Ashoka

Professor & Head, Department of Information Science & Engineering, SJB Institute of Technology, Kengeri (Bangalore), India.

Dr. Sasidhar Babu Suvanam

Professor & Academic Coordinator, Department of Computer Science & Engineering, Sree Narayana Gurukulam College of Engineering, Kadayiuruppu (Kerala), India.

Dr. C. Venkatesh

Professor & Dean, Faculty of Engineering, EBET Group of Institutions, Kangayam, Erode, Caimbatore (Tamil Nadu), India.

Dr. Nilay Khare

Associate Professor & Head, Department of Computer Science, Maulana Azad National Institute of Technology, Bhopal (M.P.), India.

Dr. Yaduvir Singh

Associate Professor, Department of Computer Science & Engineering, Ideal Institute of Technology, Govindpuram Ghaziabad, Lucknow (U.P.), India

Dr. Angela Amphawan

Head of Optical Technology, School of Computing, Universiti Utara Malaysia (Kedah), Malaysia.

Managing Chair**Mr. Jitendra Kumar Sen**

International Journal of Engineering and Advanced Technology (IJEAT)

Reviewer Chair**Dr. Saeed Balochian**

Associate Professor, Gonaabad Branch, Islamic Azad University, Gonabad, Iran.

Dr. Mongey Ram

Associate Professor, Department of Mathematics, Graphics Era University, Dehradun (Uttarakhand), India.

Dr. Arupratan Santra

Sr. Project Manager, Infosys Technologies Ltd, Hyderabad (A.P.), India.

Dr. Ashish Jolly

Dean, Department of Computer Applications, Guru Nanak Khalsa Institute & Management Studies, Yamuna Nagar (Haryana), India.

Dr. Israel Gonzalez Carrasco

Associate Professor, Department of Computer Science, Universidad Carlos III de Madrid, Leganes (Madrid), Spain.

Dr. Khushali Menaria

Associate Professor, Department of Bio-Informatics, Maulana Azad National Institute of Technology (MANIT), Bhopal (M.P.), India.

Dr. R. Sukumar

Professor, Sethu Institute of Technology, Pulloor, (Tamil Nadu), India.

Dr. Cherouat Abel

Professor, University of Technology, Troyes, France.

Dr. Rinkle Aggrawal

Associate Professor, Department of Computer Science and Engineering, Thapar University, Patiala (Punjab), India.

Dr. Parteek Bhatia

Associate Professor, Department of Computer Science & Engineering, Thapar University, Patiala (Punjab), India.

Dr. Manish Srivastava

Professor & Head, Department of Computer Science and Engineering, Guru Ghasidas Central University, Bilaspur (C.G.), India.

Dr. Pratosh Bansal

Associate Professor, Department of Information Technology, Institute of Engineering and Technology, Devi Ahilya Vishwavidyalaya, Indore (M.P.), India.

Dr. Pouya Derakhshan Barjoei

Associate Professor, Department of Electrical and Computer Engineering, Islamic Azad University, Naein Branch, Iran.

Dr. Subrata Bhowmik

Technical University of Denmark, Lyngby, Denmark.

Dr. Ashraf Hossain

Associate Professor, Department of Electronics & Communication Engineering, Aliah University, Kolkata (W.B), India.

Dr. A. Subramani

Professor, Department of MCA, K.S.R. College of Engineering, Tiruchengode (Tamil Nadu), India.

Dr. K. Ramesh Kumar

Associate Professor, Department of Information Technology, Hindustan University, Chennai (Tamil Nadu), India.

Dr. Jatinder Kumar R. Saini

Associate Professor & Head, Department of Computer Science, Sankalchand Patel College of Engineering, Visnagar (Gujrat), India.

Dr. Sanchayan Mukherjee

Associate Professor, Department of Mechanical Engineering, Kalyani Government Engineering College, Kalyani University, Kalyani (West Bengal), India.

Dr. Tapanendu Kamilya

Associate Professor, Department of Physics, Narajole Raj College, Narajole (West Bengal), India.

Dr. A. K. Malik

Associate Professor, Department of Mathematics, B K Birla Institute of Engineering & Technology, Pilani (Rajasthan), India.

Dr. P. Sandhya Joshi

Associate Professor, Department of Computer Science, Amrita Vishwa Vidayapeetham University, Mysore (Karnataka), India.

Dr. Jayashri Vajpai

Associate Professor, Department of Electrical Engineering, J.N.V. University, Jodhpur (Rajasthan), India.

Dr. Sam Emmanuel W R

Associate Professor, Department of Computer Science, Nesamony Memorial Christian College, Marthandam (TN), India.

Dr. Sanjay Babarao Warkad

Associate Professor, Department of Electrical Engineering, Priyadarshini College of Engineering, Nagpur (Maharashtra), India.

Dr. Ahmed Nabih Zaki Rashed

Associate Professor, Department of Electronics and Electrical Communication Engineering, Menoufia University, Menoufia, Egypt.

Dr. Deepali Virmani

Associate Professor, Department of Computer Science & Engineering, Bhagwan Parshuram Institute of Technology, GGSIPU, Rohini (Delhi), India.

Dr. M. Subba Rao

Professor, Department of Information Technology, Annamacharya Institute of Technology and Sciences, Kadapa (Andra Pradesh), India.

Dr. K.V.L.N. Acharyulu

Professor, Faculty of Science, Department of Mathematics, Bapatla Engineering College, Bapatla (Andhra Pradesh), India.

Dr. Remiseti Rajeswara Rao

Professor & Haed, Department of Computer Science and Engineering, Mahatma Gandhi Institute of Technology, Gandipet (Hyderabad), India.

Dr. R.R. Mudholkar

Associate Professor, Department of Electronics, Shivaji University, Kodhapu (Maharashtra), India.

Dr. Rajesh Kumar U. Sambhe

Associate Professor & Head, Department of Mechanical Engineering Workshop, Jawaharlal Dard Institute of Engineering and Technology, Yavatmal (Maharashtra), India.

Dr. A. Indra

Senior General Manager, Department of Space, Control Centre and Computer Facilities, ISRO Telemetry, Tracking and Command Network, Bangalore (Karnataka), India.

Dr. M. Sasikumar

Professor, Department of Electronics and Electrical Engineering, Jeppiaar Engineering College, Chennai (Temil Nadu), India.

Dr. Syed Asfandyar Gilani

Research Associate at SCIT Lab, Lahore, Pakistan.

Dr. VPS Naidu

Scientist, MSDF Lab, CSIR-NAL, Bangalore (Karnataka), India.

Dr. Kamal K. Mandal

Associate Professor, Department of Power Engineering, Jadavpur University, Salt Lake Campus, Kolkata (West Bengal), India.

Dr. G. Sreedhar

Associate Professor, Department of Computer Science, Rashtriya Sanskrit Vidyapeetha (Deemed University), Tirupati, (A.P), India.

Dr. B. Muthukumar

Associate Professor, Department of Information Technology, Kathir College of Engineering, Neelambur, Coimbatore (Tamil Nadu), India.

Dr. V. Nagarajan

Professor & Head, Department of Electrical and Electronics Engineering, Sona College of Technology, Salem (Tamil Nadu), India.

Dr. R. Arulmozhiyal

Associate Professor, Department of Electronics and Communication Engineering, Adhiparasakthi College of Engineering, Villupuram (Tamil Nadu), India.

Dr. R. Harikumar

Professor, Department of Electronics and Communication Engineering, Bannari Amman Institute of Technology, Sathyamangalam (Tamil Nadu), India

Dr. Anand Kumar

Professor & Head, Department of MCA, M.S. Engineering College, Bangalore (Karnataka), India.

Dr. Mohamed Rahayem

School of Science and Technology, Karlavägen (Karlskoga), Sweden.

Dr. P.T.V. Bhuvanewari

Associate Professor, Department of Electronics Engineering, Madras Institute of Technology Anna University, Chennai (Tamil Nadu), India.

Dr. Mangey Ram

Associate Professor, Department of Mathematics, Graphic Era University, Dehradun (Uttarakhand), India.

Dr. Sarika Jain

Assistant Professor, Department of Computer Applications, National Institute of Technology, Kurukshetra (Haryana), India.

Dr. Adri Jovin J.J.

Associate Professor, Department of Computer Science & Engineering, Sri Narayana Guru Institute of Technology, Coimbatore (Tamil Nadu), India.

Dr. V. Kumar Chinnaiyan

Professor & Head, Department of Electrical and Electronics, Jansons Institute of Technology, Caimbatore (Tamil Nadu), India.

Dr. T. Pearson

Professor, Department of Electronics and Communication Engineering, SMK Fomra Institute of Technology, Anna Nagar (Chennai), India.

Dr. Indu Verma

Professor, Department of Physics, University of Lucknow (U.P.), India.

Dr. Pravin P Patil

Associate Professor, Department of Mechanical Engineering, Graphic Era University, Dehradun (Uttarakhand), India.

Dr. Surendra Yadav

Professor, Department of Computer Science and Engineering, Dreen Avenue, Jaipur (Rajasthan), India.

Dr. K. Sivakumar

Assoc. Professor, Department of Computer Applications, SNMV College of Arts & Science, Coimbatore (Tamil Nadu), India.

Dr. Lazar Stosic

College for Professional Studies Educators, Aleksinac, Serbia, Europe.

Dr. Ashu Gupta

Associate Professor, Department of Computer Applications, Apeejay Institute of Management Technical Campus, Jalandhar (Punjab), India.

Dr. T. Logeswari

Associate Professor, Department of MCA, Dr. N.G.P. Institute of Technology, Coimbatore (Tamil Nadu), India.

Dr. Nurul Fadly Habidin

Department of Management, Faculty of Management and Economics, Universiti Pendidikan Sultan Idris, Perak.

Dr. S. Manikandan

Dean, Department of Electronics and Communication Engineering, VKS College of Engineering and Technology, Karur (Tamil Nadu), India.

Dr. S. Sasikumar

Department of Electronics and Communication Engineering, Jayaram College of Engineering and Technology, Tiruchirappalli (Tamil Nadu), India.

Dr. Mojtaba Moradi

Associate Professor, Department of Statistics, Faculty of Mathematical Sciences, University of Guilan, Rasht, Iran.

Dr. Neeraj Kumar

Associate Professor, Department of Applied Sciences & Humanities, IIMT Engineering College, Meerut (U.P.), India.

Dr. T. V. Suryanarayana

Associate Professor, Department of ECM, K L University, Green Fields, Vaddeswaram, Guntur (A.P.), India.

Dr. Yaswanth Kumar Avulapati

Department of Computer Science, S.V.U. College of CM & CS, S.V. University, Tirupati (A.P.), India.

Dr. N Dinesh Kumar

Professor, Department of Electronics & Instrumentation, Vignan Institute of Technology and Science, Nalgonda (Telangana), India.

Dr. Deepshikha Bhargava

Associate Professor & Head, Department of Information Technology, Amity University, Jaipur (Rajasthan), India.

Dr. Dinesh Sharma

Associate Professor, Department of Electronics and Communication Engineering, DAV College of Engineering & Technology, Kanina (HR), India.

Dr. Aginam, Chukwurah Henry

Department of Civil Engineering/Structural Engineering, Nnamdi Azikiwe University, Awka, Anambra, Nigeria.

Dr. Messaouda AZZOUZI

Associate Professor, Department of Sciences and Technologies, Djelfa, Algeria.

Dr. Remica Aggarwal

Associate Professor, Department of Management, Birla Institute of Technology and Science, Pilani (Rajasthan), India.

Dr. Dinesh Chandra Jain

Associate Professor, Department of Computer Science & Engineering, Shri Vaishnav Institute of Technology and Science, Indore (M.P.), India.

Dr. Vu Truong Vu

Department of Civil Engineering, Ho Chi Minh City University of Transport, Faculty of Civil Engineering, Binh Thanh, Vietnam.

Dr. Muhammad Farhan

Department of Mathematical Models & Travel Demand Forecasting, Wasatch Front Regional Council, USA.

Dr. S. Sumathi

Professor, Department of Electrical and Electronics Engineering, Vinayaka Mission's Kirupananda Variyar Engineering College, Salem (Tamil Nadu), India.

Dr. G. Subramanya Nayak

Associate Professor, Department of Electronics & Communication Engineering, Manipal Institute of Technology, Manipal University, Manipal (Karnataka), India.

Dr. R. Balamurugan

Professor, Department of Electrical and Electronics Engineering, KSR College of Technology, Tiruchengode (Tamil Nadu), India.

Dr. Ganesh Kumar T

Department of Computer Science and Engineering, Manonmaniam Sundaranar University, Tirunelveli (Tamil Nadu), India.

Dr. K. Siva Rama Krishna

Associate Professor, Department of Civil Engineering, Gitam University, Visakhapatnam (Andhra Pradesh), India.

Dr. P. Sanjeevi Kumar

Associate Professor, Department of Electrical Engineering, Bharathi Street (Puducherry), India.

Dr. DALAH Mohamed

Professor, Department of Mathematics, Faculty of Sciences, University of Constantine, Algeria.

Dr. Shoukat Ali

Professor, Department of Mathematics, Govt. Engineering College Bikaner, Bikaner (Rajasthan), India.

Dr. Vijay K Chaudhari

Professor & Head, Department of Information Technology, Truba Institute of Engineering and Technology, Bhopal (M.P.), India.

Dr. Ricardo Rodriguez Jorge

Associate Professor, Technological University of Ciudad Juarez.

Dr. N. Venkatesan

Associate Professor, Department of IT, Bharathiyar College of Engineering and Technology, Thiruvettakudy (Puducherry), India.

Dr. Syed Umar

Associate Professor, Department of ECM, Koneru Lakshmaiah Education Foundation, Guntur (A.P.), India.

Dr. Manoranjan Pradhan

Professor, Department of Computer Science and Engineering, Gandhi Institute for Technological Advancement, Badaraghunathpur (Odisha), India.

Dr. H. S. Behera

Associate Professor, Department of Computer Science and Engineering, Veer Surendra Sai University of Technology, Burla, Sambalpur (Odisha), India.

Dr. Sunil Kumar

Associate Professor, Department of Mathematics, National Institute of Technology, Jharkhand, India.

Dr. Shrikant Tiwari

Associate Professor, Department of Computer Science & Engineering, Shri Shankaracharya Group of Institutions, Chattisgarh, India.

Dr. Ahmed AbdAllah Hassan

Associate Professor, Department of Computer Science and Information, Community College, Taibah University, Al Medina Al Munawara, Saud Arabia.

Dr. Vijay H Mankar

Associate Professor, Department of Electronics and Telecommunication, Govt. Poly Technique, Nagpur (Maharashtra), India.

Dr. Govindaraj Thangavel

Professor & Head, Department of Electronics and Electrical Engineering, Muthayammal Engineering College, Namakkal (Tamil Nadu), India.

Dr. Satish Kumar Peddapelli

Associate Professor, Department of Electrical Engineering, University College of Engineering, Osmania University, Hyderabad (Andhra Pradesh), India.

Dr. Kola Satya Narayana

Pragati Engineering College, East Godavari (Andhra Pradesh), India.

Dr. Pankaj Kumar Sharma

Associate Professor, Department of Electronics and Communication Engineering, Moradabad Institute of Technology, Moradabad (U.P.), India.

Dr. Shaikh Abdul Hannan

Associate Professor, Department of Computer Science, Vivekanand Arts Sardar Dalipsing Arts and Science College, Aurangabad (Maharashtra), India.

Dr. Om Prakash Singh

Associate Professor, School of Engineering, Indian Institute of Technology (IIT) Mandi, Mandi (Himachal Pradesh), India.

Dr. JatinderKumar R. Saini

Associate Professor & Head, Department of Computer Science, Sankalchand Patel College of Engineering, Mehsana (Gujrat), India.

Dr. G. R. Rameshkumar

Senior Lecturer, Department of Mechanical & Industrial Engineering, Caledonian College of Engineering, SEEB, Oman.

Dr. K.S. Zakiuddin

Dean Academics, Professor & Head, Department of Mechanical Engineering, Priyadarshini College of Engineering, Nagpur Maharashtra, India.

Dr. Kamal K Mandal

Associate Professor & Ex-Head, Department of Power Engineering, Jadavpur University, Salt Lake Campus, Kolkata (West Bengal), India.

Dr. Satyanarayana

Professor, Department of Biomedical Engineering, Director of Research, Orthopaedic Surgery, Wayne State University, Bioengineering Center, Michigan, USA.

Dr. Chitra Dhawale

Department of M.C.A , P. R. Patil Group of Educational Institutes, Amravati (Maharashtra), India.

Dr. Abdul Mutalib Leman

Associate Professor, Faculty of Mechanical and Manufacturing Engineering, University Tun Hussein Onn Malaysia, Malaysia.

Dr. Ashis Banerjee

400 Stone Break Extension, Malta, NY 12020, USA.

Dr. B. L Dhananjaya

Associate Professor, School of Chemical and Biotechnology (SCBT), SASTRA University, Thirumalaisamudram (Tamil Nadu), India.

Dr. S. Kishore Reddy

Associate Professor, Department of Electronics & Communication Engineering, Swarna Bharathi College of Engineering, Khammam (Andhra Pradesh), India.

Dr. Rajesh Singh

Head, Institute of Robotics Technology, University of Petroleum and Energy Studies, Dehradun (Uttarakhand), India.

Dr. Binay Kumar

Associate Professor, Department of Applied Science, Dronacharya College of Engineering, Gurgaon (Delhi), India.

Dr. V. Sekar

Professor, Department of Electronics and Electrical Engineering, Principal Dhanalakshmi Srinivasan Institute of Technology, Samayapuram (Tamil Nadu), India.

Dr. S. Prabu

Associate Professor, Department of Computing Science and Engineering, VIT University Vellore (Tamil Nadu), India.

Dr. Mohammad Israr

Principal, Department of Mechanical Engineering, Balaji Engineering College Junagadh (Gujarat) India.

Dr. A. Siva Kumar

Professor & Head, Department of Mechanical Engineering, MLR Institute of Technology, Dundigal (Hyderabad), India.

Dr. Joydip Sengupta

Assistant Professor & Head, Department of Electronic Science, Jogesh Chandra Chaudhuri College (Affiliated to University of Calcutta), Kolkata (West Bengal), India.

Dr. B. P. Ladgaonkar

Associate Professor & Head, Department of Electronics, Shankarrao Mohite Mahavidyalaya, Akhuj (Maharashtra), India.

Dr. E. Mohan

Professor & Head, Department of Computer Science and Engineering, Pallavan College of Engineering, Kanchipuram (Tamilnadu), India.

Dr. M. Shanmuga Priya

Associate Professor, Department of Biotechnology, MVJ College of Engineering, Bangalore (Karnataka), India.

Dr. Leena Jain

Associate Professor & Head, Department of Computer Applications, Global Institute of Management & Emerging Technologies, Amritsar (Punjab), India.

Dr. S.S.S.V Gopala Raju

Professor, Department of Civil Engineering, GITAM School of Technology, GITAM, University, Hyderabad (Andhra Pradesh), India.

Dr. Ani Grubisic

Department of Computer Science, Teslina 12, 21000 split, Croatia.

Dr. Ashish Paul

Associate Professor, Department of Basic Sciences (Mathematics), Assam Don Bosco University, Guwahati (Assam), India.

Dr. Sivakumar Durairaj

Professor, Department of Civil Engineering, Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Chennai (Tamil Nadu), India.

Dr. Rashmi Nigam

Associate Professor, Department of Applied Mathematics, University Institute of Technology RGPV, Bhopal, (M.P.), India.

Dr. Mu-Song Chen

Associate Professor, Department of Electrical Engineering, Da-Yeh University, Taiwan, China.

Dr. Ramesh S

Associate Professor, Department of Electronics & Communication Engineering, Dr. Ambedkar Institute of Technology, Bangalore (Karnataka), India.

Dr. Nor Hayati Abdul Hamid

Associate Professor, Department of Civil Engineering, University Teknologi Mara, Selangor, Malaysia.

Dr. C. Nagarajan

Professor & Head, Department of Electrical & Electronic Engineering, Muthayammal Engineering College, Rasipuram (Tamil Nadu), India.

Dr. Ilaria Cacciotti

Department of Industrial Engineering, University of Rome Tor Vergata Via del Politecnico, Rome-Italy.

Dr. V. Balaji

Principal Cum Professor, Department of Electronics and Electrical Engineering and E & I, Lord Ayyappa Institute of Engineering and Technology, Kanchipuram (Tamil Nadu), India.

Dr. G. Anjan Babu

Associate Professor, Department of Computer Science, S V University, Tirupati (Andhra Pradesh), India.

Dr. Damodar Reddy Edla

Associate Professor, Department of Computer Science & Engineering, National Institute of Technology, Farmagudi (Goa), India.

Dr. D. Arumuga Perumal

Professor, Department of Mechanical Engineering, Noorul Islam University, Kanyakumari (Tamil Nadu), India.

Dr. Roshdy A. AbdelRassoul

Professor, Department of Electronics and Communications Engineering, Arab Academy for Science and Technology, Abu-Qir, Alexandria, Egypt.

Dr. Aniruddha Bhattacharya

Associate Professor & Head, Department of Computer Science & Engineering, Amrita School of Engineering, Bangalore (Karnataka), India.

Dr. P. Venkateswara Rao

Professor, Department of Mechanical Engineering, Kakatiya Institute of Technology and Science, Warangal (Telangana), India.

Dr. V. Mahalakshmi M.L

Associate Professor & Head, Institute of Management Studies, Chennai CID Quarters, Mandaveli (Chennai), India.

Dr. Rajeshkumar U. Sambhe

Associate Professor & Head, Department of Mechanical, Jawaharlal Darda Institute of Engineering and Technology, Yavatmal (Maharashtra), India.

Dr. Ashok G. Matani

Associate Professor, Department Mechanical Engineering, Govt. College of Engineering, Vidarbha Mahavidyalaya, Amravati (Maharashtra), India.

Dr. Gamze OZ E L

Department Statistics, Faculty of Science, Hacettepe University Ankara, Turkey.

Dr. M V Ragahavendra

Associate Professor, Department Electronics & Communication, Adama Science & Technology University, Adama, Ethiopia.

Dr. A. Selvan

Associate Professor, Department Chemistry, Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Avadi (Tamil Nadu), India.

Dr. R. V. Krishnaiah

Professor & Head, Department of Computer Science & Engineering, DRK Institute of Science and Technology, Hyderabad (Telangana), India.

Dr. Jamshid Nazemi

Associate Professor, Department Industrial Engineering, Science & Research Branch, Azad University, Poonak (Tehran), Iran.

Dr. V. Shanmugaraju

Associate Professor & Head, Department Biotechnology, Dr. NGP Arts and Science College, Bangalore (Karnataka), India.

Dr. Soni Changlani

Professor, Department of Electronics & Communication, Lakshmi Narain College of Technology & Science, Bhopal (M.P.), India.

Dr. M. M. Manyuchi

Professor, Department Chemical and Process Systems Engineering, Lecturer-Harare Institute of Technology, Zimbabwe.

Dr. John Kaiser S. Calautit

Professor, Department Civil Engineering, School of Civil Engineering, University of Leeds, Leeds, United Kingdom.

Dr. Audai Hussein Al-Abbas

Deputy Head, Department AL-Musaib Technical College, Foundation of Technical Education, Babylon, Iraq.

Dr. Şeref Doğuşcan Akbaş

Professor, Department Civil Engineering, Şehit Muhtar Mah. Öğüt Sok. Beyoğlu Istanbul, Turkey.

Dr. H S Behera

Associate Professor, Department Computer Science & Engineering, Veer Surendra Sai University of Technology (VSSUT) A Unitary Technical University Established by the Government of Odisha, India.

Dr. Rajeev Tiwari

Associate Professor, Department Computer Science & Engineering, University of Petroleum & Energy Studies (UPES), Bidholi (Uttarakhand), India.

Dr. Piyush Kumar Shukla

Associate Professor, Department of Computer Science and Engineering, University Institute of Technology, RGPV University, Bhopal (M.P.), India.

Dr. Piyush Lotia

Associate Professor, Department of Electronics and Instrumentation, Shankaracharya College of Engineering and Technology, Bhilai (C.G.), India.

Dr. Asha Rai

Associate Professor, Department of Communication Skills, Technocrat Institute of Technology, Bhopal (M.P.), India.

Dr. Vahid Nourani

Associate Professor, Department of Civil Engineering, University of Minnesota, USA.

Dr. Hung-Wei Wu

Associate Professor, Department of Computer and Communication, Kun Shan University, Taiwan.

Dr. Vuda Sreenivasarao

Associate Professor, Department of Computer and Information Technology, Defence University College, Debrezeit Ethiopia.

Dr. Sanjay Bhargava

Associate Professor, Department of Computer Science, Banasthali University, Jaipur (Rajasthan), India.

Dr. Sanjoy Deb

Associate Professor, Department of Electrical Communication Engineering, BIT Sathy, Sathyamangalam (Tamil Nadu), India.

Dr. Papita Das (Saha)

Associate Professor, Department of Biotechnology, National Institute of Technology, Durgapur (West Bengal), India.

Dr. Waail Mahmud Lafta Al-waely

Associate Professor, Department of Mechatronics Engineering, Al-Mustafa University College, AL-SAAKKRA Square, Baghdad-Iraq.

Dr. P. P. Satya Paul Kumar

Associate Professor, Department of Physical Education & Sports Sciences, University College of Physical Education & Sports Sciences, Guntur (Andhra Pradesh), India.

Dr. Sohrab Mirsaedi

Associate Professor, Department of Electrical Engineering, Universiti Teknologi Malaysia (UTM), Skudai (Johor), Malaysia.

Dr. Omed Ghareb Abdullah

Associate Professor, Department of Physics, School of Science, University of Sulaimani, Iraq.

Dr. Khaled Eskaf

Associate Professor, Department of Computer Engineering, College of Computing and Information Technology, Alexandria, Egypt.

Dr. Nitin W. Ingole

Associate Professor & Head, Department of Civil Engineering, Prof Ram Meghe Institute of Technology and Research, Badnera Amravati (Maharashtra), India.

Dr. P. K. Gupta

Associate Professor, Department of Computer Science and Engineering, Jaypee University of Information Technology, Solan (Himachal Pradesh), India.

Dr. P. Ganesh Kumar

Associate Professor, Department of Electronics & Communication, Sri Krishna College of Engineering and Technology, Linyi Top Network Co Ltd Linyi, China.

Dr. Santhosh K V

Associate Professor, Department of Instrumentation and Control Engineering, Manipal Institute of Technology, Manipal (Karnataka), India.

Dr. Subhendu Kumar Pani

Associate Professor, Department of Computer Science and Engineering, Orissa Engineering College, Bhubaneswar (Odisha), India.

Dr. Syed Asif Ali

Professor & Chairman, Department of Computer Science, SMI University, Karachi, Pakistan.

Dr. Vilas Warudkar

Associate Professor, Department of Mechanical Engineering, Maulana Azad National Institute of Technology, Bhopal (M.P.), India.

Dr. S. Chandra Mohan Reddy

Associate Professor & Head, Department of Electronics & Communication Engineering, JNTUA College of Engineering (Autonomous), Cuddapah (Andhra Pradesh), India.

Dr. V. Chittaranjan Das

Associate Professor, Department of Mechanical Engineering, R.V.R. & J.C. College of Engineering, Guntur (Andhra Pradesh), India.

Dr. Jamal Fathi Abu Hasna

Associate Professor, Department of Electrical & Electronics and Computer Engineering, Near East University, TRNC, Turkey.

Dr. S. Deivanayaki

Associate Professor, Department of Physics, Sri Ramakrishna Engineering College, Coimbatore (Tamil Nadu), India.

Dr. Nirvesh S. Mehta

Professor, Department of Mechanical Engineering, Sardar Vallabhbhai National Institute of Technology, Surat (Gujarat), India.

Dr. A.Vijaya Bhasakar Reddy

Associate Professor, Research Scientist, Department of Chemistry, Sri Venkateswara University, Tirupati (Andhra Pradesh), India.

Dr. C. Jaya Subba Reddy

Associate Professor, Department of Mathematics, Sri Venkateswara University, Tirupathi (Andhra Pradesh), India.

Dr. Balbir Singh

Associate Professor, Department of Health Studies, Human Development Area, Administrative Staff College of India, Bella Vista (Andhra Pradesh), India.

Dr. D. RAJU

Associate Professor, Department of Mathematics, Vidya Jyothi Institute of Technology (VJIT), Hyderabad (Telangana), India.

Dr. Salim Y. Amdani

Associate Professor & Head, Department of Computer Science Engineering, B. N. College of Engineering, Pusad (M.S.), India.

Dr. K. Kiran Kumar

Associate Professor, Department of Information Technology, Bapatla Engineering College, Bapatla (Andhra Pradesh), India.

Dr. Md. Abdullah Al Humayun

Associate Professor, Department of Electrical Systems Engineering, University Malaysia Perlis, Malaysia.

Dr. Vellore Vasu

Teaching Assistant, Department of Mathematics, S.V. University, Tirupati (Andhra Pradesh), India.

Dr. Naveen K. Mehta

Associate Professor & Head, Department of Communication Skills, Mahakal Institute of Technology, Ujjain (M.P.), India.

Dr. Gujar Anant Kumar Jotiram

Associate Professor, Department of Mechanical Engineering, Ashokrao Mane Group of Institutions, Vathar (Maharashtra), India.

Dr. Pratibhamoy Das

Scientist, Department of Mathematics, IMU Berlin Einstein Foundation Fellow Technical University of Berlin, Germany.

Dr. Messaouda AZZOUZI

Associate Professor, Department of Sciences & Technology, University of Djelfa, Algeria.

Dr. Vandana Swarnkar

Associate Professor, Department of Chemistry, Jiwaji University, Gwalior (M.P), India.

Dr. Arvind K. Sharma

Associate Professor, Department of Computer Science Engineering, University of Kota, Kabir Circle (Rajasthan), India.

Dr. R. Balu

Associate Professor, Department of Computr Applications, Bharathiar University, Coimbatore (Tamil Nadu), India.

Dr. S. Suriyanarayanan

Associate Professor, Department of Water and Health, Jagadguru Sri Shivarathreeswara University, Mysuru (Karnataka), India.

Dr. Dinesh Kumar

Associate Professor, Department of Mathematics, Pratap University, Jaipur (Rajasthan), India.

Dr. Sandeep N

Associate Professor, Department of Mathematics, Vellore Institute of Technology, Vellore (Tamil Nadu), India.

Dr. Dharmpal Singh

Associate Professor, Department of Computer Science Engineering, JIS College of Engineering, Kalyani (West Bengal), India.

Dr. Farshad Zahedi

Associate Professor, Department of Mechanical Engineering, University of Texas at Arlington, Tehran, Iran.

Dr. Atishey Mittal

Associate Professor, Department of Mechanical Engineering, SRM University, NCR Campus Meerut Delhi Road Modinagar (Aligarh), India.

Dr. Hussein Togun

Associate Professor, Department of Mechanical Engineering, University of Thiqr, Iraq.

Dr. Shrikaant Kulkarni

Associate Professor, Department of Senior Faculty Vishwakarma Institute of Technology, Pune (M.S.), India.

Dr. Mukesh Negi

Project Manager, Department of Computer Science & IT, Mukesh Negi, Project Manager, Noida (U.P), India.

Dr. Sachin Madhavrao Kanawade

Associate Professor, Department Chemical Engineering, Pravara Rural Education Society's, Sir Visvesvaraya Institute of Technology, Nashik (Maharashtra), India.

Dr. Ganesh S Sable

Professor, Department of Electronics and Telecommunication, Maharashtra Institute of Technology Satara Parisar, Aurangabad (Maharashtra), India.

Dr. T.V. Rajini Kanth

Professor, Department of Computer Science Engineering, Sreenidhi Institute of Science and Technology, Hyderabad (Telangana), India.

Dr. Anuj Kumar Gupta

Associate Professor, Department of Computer Science & Engineering, RIMT Institute of Engineering & Technology, Godindgarh (Punjab), India.

Dr. Hasan Ashrafi- Rizi

Associate Professor, Medical Library and Information Science Department of Health Information Technology Research Center, Isfahan University of Medical Sciences, Isfahan, Iran.

Dr. Golam Kibria

Associate Professor, Department of Mechanical Engineering, Aliah University, Kolkata (West Bengal), India.

Dr. Mohammad Jannati

Professor, Department of Energy Conversion, UTM-PROTON Future Drive Laboratory, Faculty of Electrical Engineering, University of Technology, Malaysia.

Dr. Mohammed Saber Mohammed Gad

Professor, Department of Mechanical Engineering, National Research Center, Cairo, Egypt.

Dr. V. Balaji

Professor, Department of Electronics and Electrical Engineering, Sapthagiri College of Engineering Periyannahalli, (Taluk) Dharmapuri.

Dr. Naveen Beri

Associate Professor, Department of Mechanical Engineering, BEANT College of Engineering & Technology, Gurdaspur (Punjab), India.

Dr. Abdel-Baset H. Mekky

Associate Professor, Department of Physics, Buraydah Colleges Al Qassim / Saudi Arabia.

Dr. T. Abdul Razak

Associate Professor, Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli (Tamil Nadu), India.

Dr. Preeti Singh Bahadur

Associate Professor, Department of Applied Physics Amity University, Greater Noida (U.P.) India.

Dr. Ramadan Elaieess

Associate Professor, Department of Information Studies, Faculty of Arts University of Benghazi, Libya.

Dr. R. Emmaniel

Professor & Head, Department of Business Administration St. Ann's College of Engineering and Technology, Chirala (A.P), India.

Dr. C. Phani Ramesh

Director cum Associate Professor, Department of Computer Science Engineering, PRIST University, Manamai (Tamil Nadu), India.

Dr. Rachna Goswami

Associate Professor, Department of Faculty in Bio-Science, Rajiv Gandhi University of Knowledge Technologies (RGUKT) Krishna (Andhra Pradesh), India.

Dr. Sudhakar Singh

Associate Professor & Head, Department of Physics and Computer Science, Sardar Patel College of Technology, Balaghat (M.P.), India.

Dr. Xiaolin Qin

Associate Professor & Assistant Director of Laboratory for Automated Reasoning and Programming, Chengdu Institute of Computer Applications, Chinese Academy of Sciences, China.

Dr. Maddila Lakshmi Chaitanya

Associate Professor, Department of Mechanical, Pragati Engineering College, Godavari (A.P.), India.

Dr. Jyoti Anand

Assistant Professor, Department of Mathematics, Dronacharya College of Engineering, Gurgaon (Haryana), India.

Dr. Nasser Fegh-hi Farahmand

Associate Professor, Department of Industrial Management, College of Management, Economy and Accounting, Tabriz Branch, Islamic Azad University, Tabriz, Iran

Dr. Ravindra Jilte

Assistant Professor & Head, Department of Mechanical Engineering, Vidyavardhini College of Engineering and Technology, University of Mumbai, Vasai (Maharashtra), India.

Dr. Sarita Gajbhiye Meshram

Research Scholar, Department of Water Resources, Development & Management Indian Institute of Technology, Roorkee (Uttarakhand), India.

Dr. G. Komarasamy

Associate Professor, Senior Grade, Department of Computer Science & Engineering, Bannari Amman Institute of Technology, Sathyamangalam (Tamil Nadu), India.

Dr. P. Raman

Professor, Department of Management Studies, Panimalar Engineering College, Chennai (Tamil Nadu) India.

Dr. M. Anto Bennet

Professor, Department of Electronics & Communication Engineering, Vel-Tech Engineering College, Chennai (Tamil Nadu), India.

Dr. P. Keerthika

Associate Professor, Department of Computer Science & Engineering, Kongu Engineering College, Perundurai (Tamil Nadu), India.

Dr. Santosh Kumar Behera

Associate Professor, Department of Education, Sidho-Kanho-Birsha University, Purulia (West Bengal), India.

Dr. P. Suresh

Associate Professor, Department of Information Technology, Kongu Engineering College Perundurai (Tamil Nadu), India.

Dr. Santosh Shivajirao Lomte

Associate Professor, Department of Computer Science and Information Technology, Radhai Mahavidyalaya, Aurangabad Gymkhana, (Maharashtra), India.

Dr. Altaf Ali Siyal

Professor, Department of Land and Water Management, Sindh Agriculture University Tandojam, Pakistan.

Dr. Mohammad Valipour

Associate Professor, Sari Agricultural Sciences and Natural Resources University, Sari, Iran.

Dr. Prakash H. Patil

Vice Principal and Professor, Department of Electronics and Tele-Communication Engineering, Dr. D.Y. Patil College of Engineering, Pune (Maharashtra), India.

Dr. Smolarek Malgorzata

Associate Professor, Department of Institute of Management and Economics, High School of Humanitas in Sosnowiec, Wyższa Szkoła Humanitas Instytut Zarządzania i Ekonomii ul. Kilińskiego Sosnowiec Poland.

Dr. Umakant Vyankatesh Kongre

Associate Professor, Department of Mechanical Engineering, Jawaharlal Darda Institute of Engineering and Technology, Yavatmal (Maharashtra), India.

Dr. Niranjana S

Associate Professor, Department of Biomedical Engineering, Manipal Institute of Technology (MIT) Manipal University, Manipal (Karnataka), India

Dr. Naseema Khatoon

Associate Professor, Department of Chemistry, Integral University Lucknow (U.P), India.

Dr. P. Samuel

Associate Professor, Department of English, KSR College of Engineering Tiruchengode, Namakkal (Tamil Nadu), India.

Dr. Mohammad Sajid

Associate Professor, Department of Mathematics, College of Engineering Qassim University Buraidah, Al-Qassim Saudi Arabia.

Dr. Sanjay Pachauri

Associate Professor, Department of Computer Science & Engineering, IMS Unison University Makkawala Greens Dehradun (UK). India.

Dr. S. Kishore Reddy

Professor, Department of School of Electrical & Computer Engineering, Adama Science & Technology University, Adama, Ethiopia.

Dr. Muthukumar Subramanyam

Professor, Department of Computer Science & Engineering, National Institute of Technology, Puducherry, India

Dr. Latika Kharb

Associate Professor, Faculty of Information Technology, Jagan Institute of Management Studies (JIMS), Rohini (Delhi), India.

Dr. Kusum Yadav

Associate Professor, Department of Information Systems, College of Computer Engineering & Science Salman bin Abdulaziz University, Saudi Arabia.

Dr. Preeti Gera

Associate Professor, Department of Computer Science & Engineering, Savera Group of Institutions, Gurgaon (Haryana), India.

Dr. Ajeet Kumar

Associate Professor, Department of Chemistry and Biomolecular Science, Clarkson University, Clarkson Avenue, New York.

Dr. M. Jinnah S Mohamed

Associate Professor, Department of Mechanical Engineering, National College of Engineering, Tirunelveli (Tamil Nadu), India.

Dr. Mostafa Eslami

Assistant Professor, Department of Mathematics, University of Mazandaran Babolsar, Iran.

Dr. Akram Mohammad Hassan Elentably

Professor, Department of Economics of Maritime Transport, Faculty of Maritime Studies, King Abdulaziz University, Jeddah, Saudi Arabia.

Dr. Aarti Tolia

Faculty, Prahaldbhai Dalmia Lions College of Commerce & Economics, Mumbai (Maharashtra), India.

Dr. Ramachandra C G

Professor & Head, Department of Marine Engineering, Srinivas Institute of Technology, Mangalore (Karnataka), India.

Dr. G. Anandharaj

Associate Professor, Department of M.C.A, Ganadipathy Tulsi's Jain Engineering College, Vellore (Tamil Nadu), India.

Dr. Najmuddin Ahmad

Associate Professor, Department of Mathematics, Faculty of Applied Science, Integral University, Lucknow (U.P), India.

Dr. Kaikai Xu

Associate Professor, School of Microelectronics and Solid-State Electronics, State Key Laboratory of Electronic Thin Films and Integrated Devices, University of Electronic Science and Technology of China (UESTC), China.

Dr. V. V. Prathibha Bharathi

Associate Professor, Department of Mechanical Engineering, Malla Reddy College of Engineering, Maisammaguda (Telangana), India.

Dr. Smita Selot

Head & Professor, Department of Computer Applications, Shri Shankaracharya College of Engineering and Technology, Bhilai (Chhattisgarh), India.

Dr. S. Balamurugan

Director-Research & Development, Mindnotix Technologies, Coimbatore (Tamil Nadu), India.

Dr. Suresh D. Mane

Professor, Department of Mechanical Engineering, Shaikh College of Engineering & Technology, Belagavi (Karnataka), India.

Dr. Mohmaed Abdel Fattah Ashabrawy

Associate Professor, Reactors Department, Atomic Energy Authority, Egypt – IAM NOW Salman bin Abdulaziz University, Kingdom Saudi Arabia. (KSA)

Dr. Shiv Kumar Verma

Associate Professor, Department of Computer Science & Engineering, University Institute of Engineering Chandigarh University, Gharuan (Punjab), India.

Dr. Mohamed Abd El-Basset Matwalli

Associate Professor, Department of Operations Research & Decision Support System, Faculty of Computers and Informatics, Zagazig University, Egypt.

Dr. Vikas Maheshwari

Associate Professor, Department of Electrical Communication Engineering, Amity University, Gwalior (M.P), India.

Dr. Sudhakara A

Associate Professor, Department of Chemistry, Jain Institute of Technology, Davanagere (Karnataka), India.

Dr. Jammi Ashok

Associate Professor, Department of Electrical and Computer Engineering, Hawassa University, Hawassa, East Africa.

Dr. Mohamed Ashabrawy

Associate Professor, Department of Computer Science, Salman bin Abdulaziz University Kingdom, Saudi Arabia.

Dr. Omer Muhammad Ayoub

Associate Professor, Department of Computer Science, Affected Center Abdullah Sulayman, Al-Fayyaz, Jeddah, KSA Saudi Arabia.

Dr. M. Seenivasan

Associate Professor, Department of Mathematics, Annamalai University, Chidambaram (Tamil Nadu), India.

Dr. S.V.G.V.A. Prasad

Associate Professor, Department of Physics, Ideal College of Arts & Sciences, Kakinada (A.P), India.

Dr. S. Omkumar

Associate Professor, Department of Electronics and Communication Engineering, SCSVMV University, Enathur (Tamil Nadu), India.

Dr. Yousef FARHAOUI

Associate Professor, Department of Computer Science, Faculty of Sciences and Technic, Moulay Ismail University, Boutalamine, Errachidia, Morocco.

Dr. Gutta Sridevi

Associate Professor, Department of Computer Science & Engineering, K L University, Vaddeswaram, Guntur (DT) (A.P.), India.

Dr. Debmalya Bhattacharya

Associate Professor, Department of Electronics & Communication Engineering, University of Technology & Management, Bawri Mansion, Dhankheti (Meghalaya), India.

Dr. K. Harinadha Reddy

Professor, Department of Electrical and Electronics Engineering, L B R College of Engineering, Mylavaram, Krishna (Andhra Pradesh), India.

Editor-In-Chief**Dr. Shachi Sahu**

Ph.D. (Chemistry), M.Sc. (Organic Chemistry)

Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd., Bhopal(M.P.), India

Dr. Shiv Kumar

Ph.D. (CSE), M.Tech. (IT, Honors), B.Tech. (IT), IEEE Member

Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd., Bhopal(M.P.), India

Professor, Department of Computer Science & Engineering, Lakshmi Narain College of Technology (LNCT), Bhopal (M.P.), India

Advisory Chair**Dr. Uma Shanker**

Professor & Head, Department of Mathematics, Chouksey Engineering College, Bilaspur (C.G.), India.

Dr. Rama Shanker

Professor & Head, Department of Statistics, Eritrea Institute of Technology, Asmara, Eritrea.

Dr. Vinita Kumari

Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd., India

Dr. Sadhana Vishwakarma

Associate Professor, Department of Chemistry, Technocrat Institute of Technology, Bhopal (M.P.), India.

Dr. Kamal Mehta

Associate Professor, Department of Computer Engineering, Institute of Technology, NIRMA University, Ahmedabad (Gujarat), India.

Dr. Suresh Babu Perli

Professor & Head, Department of Electrical and Electronic Engineering, Narasaraopeta Engineering College, Guntur (A.P.), India.

Dr. Binod Kumar

Associate Professor, School of Engineering and Computer Technology, Faculty of Integrative Sciences and Technology, Quest International University, Ipoh, Perak, Malaysia.

Dr. Chiladze George

Professor, Faculty of Law, Akhaltsikhe State University, Tbilisi University, Georgia.

Dr. Kavita Khare

Professor, Department of Electronics & Communication Engineering., MANIT, Bhopal (M.P.), India.

Dr. C. Saravanan

Associate Professor (System Manager) & Head, Computer Center, NIT, Durgapur (W.B), India.

Dr. S. Saravanan

Professor, Department of Electrical and Electronics Engineering, Muthayamal Engineering College, Resipuram (Tamilnadu), India.

Dr. Amit Kumar Garg

Professor & Head, Department of Electronics and Communication Engineering, Maharishi Markandeshwar University, Mullana Ambala (Haryana), India.

Dr. Kamal K Mehta

Associate Professor, Department of Computer Engineering, Institute of Technology, NIRMA University, Ahmedabad (Gujarat), India.

Dr. Sahab Singh

Associate Professor, Department of Management Studies, Dronacharya Group of Institutions, Greater Noida (U.P), India.

Dr. Umesh Kumar

Principal, Govt Women Poly, Ranchi (Jharkhand), India.

Dr. Jaswant Singh Bhomrah

Director, Department of Profit Oriented Technique, Navsari (Gujarat), India.

Technical Chair**Dr. Mohd. Husain**

Director. MG Institute of Management & Technology, Banthara, Lucknow (U.P.), India.

Dr. T. Jayanthi

Principal, Panimalar Institute of Technology, Chennai (TN), India.

Dr. Umesh A.S.

Director, Technocrats Institute of Technology & Science, Bhopal (M.P.), India.

Dr. B. Kanagasabapathi

Infosys Labs, Infosys Limited, Center for Advance Modeling and Simulation, Infosys Labs, Infosys Limited, Electronics City, Bangalore, India.

Dr. C.B. Gupta

Professor, Department of Mathematics, Birla Institute of Technology & Sciences, Pilani (Rajasthan), India.

Dr. Jaydeb Bhaumik

Associate Professor, Department of Electronics & Communication Engineering, Haldia Institute of Technology, Haldia (Bengal), India.

Dr. Rajesh Das

Associate Professor, School of Applied Sciences, Haldia Institute of Technology, Haldia (West Bengal), India.

Dr. Mrutyunjaya Panda

Professor & Head, Department of EEE, Gandhi Institute for Technological Development, Bhubaneswar, Odisha, India

Dr. Mohd. Nazri Ismail

Associate Professor, Department of System and Networking, University of Kuala (UniKL), Kuala Lumpur, Malaysia.

Dr. Haw Su Cheng

Faculty of Information Technology, Multimedia University (MMU), Jalan Multimedia (Cyberjaya), Malaysia.

Dr. Hossein Rajabalipour Cheshmehgaz

Department of Industrial Modeling and Computing, Faculty of Computer Science and Information Systems, Universiti Teknologi Malaysia (UTM) 81310, Skudai, Malaysia.

Dr. Sudhinder Singh Chowhan

Associate Professor, Institute of Management and Computer Science, NIMS University, Jaipur (Rajasthan), India.

Dr. Neeta Sharma

Professor & Head, Department of Communication Skills, Technocrat Institute of Technology, Bhopal (M.P.), India.

Dr. Ashish Rastogi

Associate Professor, Department of CS & IT, Guru Ghansi Das University, Bilaspur (C.G.), India.

Dr. Santosh Kumar Nanda

Professor, Department of Computer Science and Engineering, Eastern Academy of Science and Technology (EAST), Khurda (Orisa), India.

Dr. Hai Shanker Hota

Associate Professor, Department of CSIT, Guru Ghansi Das University, Bilaspur (C.G.), India.

Managing Chair**Mr. Jitendra Kumar Sen**

International Journal of Engineering and Advanced Technology (IJEAT)

Reviewer Chair**Dr. Saeed Balochian**

Associate Professor, Gonaabad Branch, Islamic Azad University, Gonabad, Iran.

Dr. Mongey Ram

Associate Professor, Department of Mathematics, Graphics Era University, Dehradun (Uttarakhand), India.

Dr. Arupratan Santra

Sr. Project Manager, Infosys Technologies Ltd, Hyderabad (A.P.), India.

Dr. Ashish Jolly

Dean, Department of Computer Applications, Guru Nanak Khalsa Institute & Management Studies, Yamuna Nagar (Haryana), India.

Dr. Israel Gonzalez Carrasco

Associate Professor, Department of Computer Science, Universidad Carlos III de Madrid, Leganes (Madrid), Spain.

Dr. Khushali Menaria

Associate Professor, Department of Bio-Informatics, Maulana Azad National Institute of Technology (MANIT), Bhopal (M.P.), India.

Dr. R. Sukumar

Professor, Sethu Institute of Technology, Pulloor, (Tamil Nadu), India.

Dr. Cherouat Abel

Professor, University of Technology, Troyes, France.

Dr. Rinkle Aggrawal

Associate Professor, Department of Computer Science and Engineering, Thapar University, Patiala (Punjab), India.

Dr. Parteek Bhatia

Associate Professor, Department of Computer Science & Engineering, Thapar University, Patiala (Punjab), India.

Dr. Manish Srivastava

Professor & Head, Department of Computer Science and Engineering, Guru Ghasidas Central University, Bilaspur (C.G.), India.

Dr. Pratosh Bansal

Associate Professor, Department of Information Technology, Institute of Engineering and Technology, Devi Ahilya Vishwavidyalaya, Indore (M.P.), India.

Dr. Pouya Derakhshan Barjoei

Associate Professor, Department of Electrical and Computer Engineering, Islamic Azad University, Naein Branch, Iran.

Dr. Subrata Bhowmik

Technical University of Denmark, Lyngby, Denmark.

Dr. Ashraf Hossain

Associate Professor, Department of Electronics & Communication Engineering, Aliah University, Kolkata (W.B), India.

Dr. A. Subramani

Professor, Department of MCA, K.S.R. College of Engineering, Tiruchengode (Tamil Nadu), India.

Dr. K. Ramesh Kumar

Associate Professor, Department of Information Technology, Hindustan University, Chennai (Tamil Nadu), India.

Dr. Jatinder Kumar R. Saini

Associate Professor & Head, Department of Computer Science, Sankalchand Patel College of Engineering, Visnagar (Gujrat), India.

Dr. Sanchayan Mukherjee

Associate Professor, Department of Mechanical Engineering, Kalyani Government Engineering College, Kalyani University, Kalyani (West Bengal), India.

Dr. Tapanendu Kamilya

Associate Professor, Department of Physics, Narajole Raj College, Narajole (West Bengal), India.

Dr. A. K. Malik

Associate Professor, Department of Mathematics, B K Birla Institute of Engineering & Technology, Pilani (Rajasthan), India.

Dr. P. Sandhya Joshi

Associate Professor, Department of Computer Science, Amrita Vishwa Vidyapeetham University, Mysore (Karnataka), India.

Dr. Jayashri Vajpai

Associate Professor, Department of Electrical Engineering, J.N.V. University, Jodhpur (Rajasthan), India.

Dr. Sam Emmanuel W R

Associate Professor, Department of Computer Science, Nesamony Memorial Christian College, Marthandam (TN), India.

Dr. Sanjay Babarao Warkad

Associate Professor, Department of Electrical Engineering, Priyadarshini College of Engineering, Nagpur (Maharashtra), India.

Dr. Ahmed Nabih Zaki Rashed

Associate Professor, Department of Electronics and Electrical Communication Engineering, Menoufia University, Menoufia, Egypt.

Dr. Deepali Virmani

Associate Professor, Department of Computer Science & Engineering, Bhagwan Parshuram Institute of Technology, GGSIPU, Rohini (Delhi), India.

Dr. M. Subba Rao

Professor, Department of Information Technology, Annamacharya Institute of Technology and Sciences, Kadapa (Andra Pradesh), India.

Dr. K.V.L.N. Acharyulu

Professor, Faculty of Science, Department of Mathematics, Bapatla Engineering College, Bapatla (Andhra Pradesh), India.

Dr. Remisetti Rajeswara Rao

Professor & Haed, Department of Computer Science and Engineering, Mahatma Gandhi Institute of Technology, Gandipet (Hyderabad), India.

Dr. R.R. Mudholkar

Associate Professor, Department of Electronics, Shivaji University, Kodhapu (Maharashtra), India.

Dr. Rajesh Kumar U. Sambhe

Associate Professor & Head, Department of Mechanical Engineering Workshop, Jawaharlal Dard Institute of Engineering and Technology, Yavatmal (Maharashtra), India.

Dr. A. Indra

Senior General Manager, Department of Space, Control Centre and Computer Facilities, ISRO Telemetry, Tracking and Command Network, Bangalore (Karnataka), India.

Dr. M. Sasikumar

Professor, Department of Electronics and Electrical Engineering, Jeppiaar Engineering College, Chennai (Temil Nadu), India.

Dr. Syed Asfandyar Gilani

Research Associate at SCIT Lab, Lahore, Pakistan.

Dr. VPS Naidu

Scientist, MSDF Lab, CSIR-NAL, Bangalore (Karnataka), India.

Dr. Kamal K. Mandal

Associate Professor, Department of Power Engineering, Jadavpur University, Salt Lake Campus, Kolkata (West Bengal), India.

Dr. G. Sreedhar

Associate Professor, Department of Computer Science, Rashtriya Sanskrit Vidyapeetha (Deemed University), Tirupati, (A.P), India.

Dr. B. Muthukumar

Associate Professor, Department of Information Technology, Kathir College of Engineering, Neelambur, Coimbatore (Tamil Nadu), India.

Dr. V. Nagarajan

Professor & Head, Department of Electrical and Electronics Engineering, Sona College of Technology, Salem (Tamil Nadu), India.

Dr. R. Arulmozhiyal

Associate Professor, Department of Electronics and Communication Engineering, Adhiparasakthi College of Engineering, Villupuram (Tamil Nadu), India.

Dr. R. Harikumar

Professor, Department of Electronics and Communication Engineering, Bannari Amman Institute of Technology, Sathyamangalam (Tamil Nadu), India

Dr. Anand Kumar

Professor & Head, Department of MCA, M.S. Engineering College, Bangalore (Karnataka), India.

Dr. Mohamed Rahayem

School of Science and Technology, Karlavägen (Karlskoga), Sweden.

Dr. P.T.V. Bhuvaneshwari

Associate Professor, Department of Electronics Engineering, Madras Institute of Technology Anna University, Chennai (Tamil Nadu), India.

Dr. Mangey Ram

Associate Professor, Department of Mathematics, Graphic Era University, Dehradun (Uttarakhand), India.

Dr. Sarika Jain

Assistant Professor, Department of Computer Applications, National Institute of Technology, Kurukshetra (Haryana), India.

Dr. Adri Jovin J.J.

Associate Professor, Department of Computer Science & Engineering, Sri Narayana Guru Institute of Technology, Coimbatore (Tamil Nadu), India.

Dr. V. Kumar Chinnaiyan

Professor & Head, Department of Electrical and Electronics, Jansons Institute of Technology, Caimbatore (Tamil Nadu), India.

Dr. T. Pearson

Professor, Department of Electronics and Communication Engineering, SMK Fomra Institute of Technology, Anna Nagar (Chennai), India.

Dr. Indu Verma

Professor, Department of Physics, University of Lucknow (U.P.), India.

Dr. Pravin P Patil

Associate Professor, Department of Mechanical Engineering, Graphic Era University, Dehradun (Uttarakhand), India.

Dr. Surendra Yadav

Professor, Department of Computer Science and Engineering, Dreen Avenue, Jaipur (Rajasthan), India.

Dr. K. Sivakumar

Assoc. Professor, Department of Computer Applications, SNMV College of Arts & Science, Coimbatore (Tamil Nadu), India.

Dr. Lazar Stosic

College for Professional Studies Educators, Aleksinac, Serbia, Europe.

Dr. Ashu Gupta

Associate Professor, Department of Computer Applications, Apeejay Institute of Management Technical Campus, Jalandhar (Punjab), India.

Dr. T. Logeswari

Associate Professor, Department of MCA, Dr. N.G.P. Institute of Technology, Coimbatore (Tamil Nadu), India.

Dr. Nurul Fadly Habidin

Department of Management, Faculty of Management and Economics, Universiti Pendidikan Sultan Idris, Perak.

Dr. S. Manikandan

Dean, Department of Electronics and Communication Engineering, VKS College of Engineering and Technology, Karur (Tamil Nadu), India.

Dr. S. Sasikumar

Department of Electronics and Communication Engineering, Jayaram College of Engineering and Technology, Tiruchirappalli (Tamil Nadu), India.

Dr. Mojtaba Moradi

Associate Professor, Department of Statistics, Faculty of Mathematical Sciences, University of Guilan, Rasht, Iran.

Dr. Neeraj Kumar

Associate Professor, Department of Applied Sciences & Humanities, IIMT Engineering.College, Meerut (U.P.), India.

Dr. T. V. Suryanarayana

Associate Professor, Department of ECM, K L University, Green Fields,Vaddeswaram, Guntur (A.P.), India.

Dr. Yaswanth Kumar Avulapati

Department of Computer Science, S.V.U. College of CM & CS, S.V. University, Tirupati (A.P.), India.

Dr. N Dinesh Kumar

Professor, Department of Electronics & Instrumentation, Vignan Institute of Technology and Science, Nalgonda (Telangana), India.

Dr. Deepshikha Bhargava

Associate Professor & Head, Department of Information Technology, Amity University, Jaipur (Rajasthan), India.

Dr. Dinesh Sharma

Associate Professor, Department of Electronics and Communication Engineering, DAV College of Engineering & Technology, Kanina (HR), India.

Dr. Aginam, Chukwurah Henry

Department of Civil Engineering/Structural Engineering, Nnamdi Azikiwe University, Awka, Anambra, Nigeria.

Dr. Messaouda AZZOUZI

Associate Professor, Department of Sciences and Technologies, Djelfa, Algeria.

Dr. Remica Aggarwal

Associate Professor, Department of Management, Birla Institute of Technology and Science, Pilani (Rajasthan), India.

Dr. Dinesh Chandra Jain

Associate Professor, Department of Computer Science & Engineering, Shri Vaishnav Institute of Technology and Science, Indore (M.P.), India.

Dr. Vu Truong Vu

Department of Civil Engineering, Ho Chi Minh City University of Transport, Faculty of Civil Engineering, Binh Thanh, Vietnam.

Dr. Muhammad Farhan

Department of Mathematical Models & Travel Demand Forecasting, Wasatch Front Regional Council, USA.

Dr. S. Sumathi

Professor, Department of Electrical and Electronics Engineering, Vinayaka Mission's Kirupananda Variyar Engineering College, Salem (Tamil Nadu), India.

Dr. G. Subramanya Nayak

Associate Professor, Department of Electronics & Communication Engineering, Manipal Institute of Technology, Manipal University, Manipal (Karnataka), India.

Dr. R. Balamurugan

Professor, Department of Electrical and Electronics Engineering, KSR College of Technology, Tiruchengode (Tamil Nadu), India.

Dr. Ganesh Kumar T

Department of Computer Science and Engineering, Manonmaniam Sundaranar University, Tirunelveli (Tamil Nadu), India.

Dr. K. Siva Rama Krishna

Associate Professor, Department of Civil Engineering, Gitam University, Visakhapatnam (Andhra Pradesh), India.

Dr. P. Sanjeevi Kumar

Associate Professor, Department of Electrical Engineering, Bharathi Street (Puducherry), India.

Dr. DALAH Mohamed

Professor, Department of Mathematics, Faculty of Sciences, University of Constantine, Algeria.

Dr. Shoukat Ali

Professor, Department of Mathematics, Govt. Engineering College Bikaner, Bikaner (Rajasthan), India.

Dr. Vijay K Chaudhari

Professor & Head, Department of Information Technology, Truba Institute of Engineering and Technology, Bhopal (M.P.), India.

Dr. Ricardo Rodriguez Jorge

Associate Professor, Technological University of Ciudad Juarez.

Dr. N. Venkatesan

Associate Professor, Department of IT, Bharathiyar College of Engineering and Technology, Thiruvettakudy (Puducherry), India.

Dr. Syed Umar

Associate Professor, Department of ECM, Koneru Lakshmaiah Education Foundation, Guntur (A.P.), India.

Dr. Manoranjan Pradhan

Professor, Department of Computer Science and Engineering, Gandhi Institute for Technological Advancement, Badaraghunathpur (Odisha), India.

Dr. H. S. Behera

Associate Professor, Department of Computer Science and Engineering, Veer Surendra Sai University of Technology, Burla, Sambalpur (Odisha), India.

Dr. Sunil Kumar

Associate Professor, Department of Mathematics, National Institute of Technology, Jharkhand, India.

Dr. Shrikant Tiwari

Associate Professor, Department of Computer Science & Engineering, Shri Shankaracharya Group of Institutions, Chattisgarh, India.

Dr. Ahmed AbdAllah Hassan

Associate Professor, Department of Computer Science and Information, Community College, Taibah University, Al Medina Al Munawara, Saud Arabia.

Dr. Vijay H Mankar

Associate Professor, Department of Electronics and Telecommunication, Govt. Poly Technique, Nagpur (Maharashtra), India.

Dr. Govindaraj Thangavel

Professor & Head, Department of Electronics and Electrical Engineering, Muthayammal Engineering College, Namakkal (Tamil Nadu), India.

Dr. Satish Kumar Peddapelli

Associate Professor, Department of Electrical Engineering, University College of Engineering, Osmania University, Hyderabad (Andhra Pradesh), India.

Dr. Kola Satya Narayana

Pragati Engineering College, East Godavari (Andhra Pradesh), India.

Dr. Pankaj Kumar Sharma

Associate Professor, Department of Electronics and Communication Engineering, Moradabad Institute of Technology, Moradabad (U.P.), India.

Dr. Shaikh Abdul Hannan

Associate Professor, Department of Computer Science, Vivekanand Arts Sardar Dalipsing Arts and Science College, Aurangabad (Maharashtra), India.

Dr. Om Prakash Singh

Associate Professor, School of Engineering, Indian Institute of Technology (IIT) Mandi, Mandi (Himachal Pradesh), India.

Dr. JatinderKumar R. Saini

Associate Professor & Head, Department of Computer Science, Sankalchand Patel College of Engineering, Mehsana (Gujrat), India.

Dr. G. R. Rameshkumar

Senior Lecturer, Department of Mechanical & Industrial Engineering, Caledonian College of Engineering, SEEB, Oman.

Dr. K.S. Zakiuddin

Dean Academics, Professor & Head, Department of Mechanical Engineering, Priyadarshini College of Engineering, Nagpur Maharashtra, India.

Dr. Kamal K Mandal

Associate Professor & Ex-Head, Department of Power Engineering, Jadavpur University, Salt Lake Campus, Kolkata (West Bengal), India.

Dr. Satyanarayana

Professor, Department of Biomedical Engineering, Director of Research, Orthopaedic Surgery, Wayne State University, Bioengineering Center, Michigan, USA.

Dr. Chitra Dhawale

Department of M.C.A , P. R. Patil Group of Educational Institutes, Amravati (Maharashtra), India.

Dr. Abdul Mutalib Leman

Associate Professor, Faculty of Mechanical and Manufacturing Engineering, University Tun Hussein Onn Malaysia, Malaysia.

Dr. Ashis Banerjee

400 Stone Break Extension, Malta, NY 12020, USA.

Dr. B. L Dhananjaya

Associate Professor, School of Chemical and Biotechnology (SCBT), SASTRA University, Thirumalaisamudram (Tamil Nadu), India.

Dr. S. Kishore Reddy

Associate Professor, Department of Electronics & Communication Engineering, Swarna Bharathi College of Engineering, Khammam (Andhra Pradesh), India.

Dr. Rajesh Singh

Head, Institute of Robotics Technology, University of Petroleum and Energy Studies, Dehradun (Uttarakhand), India.

Dr. Binay Kumar

Associate Professor, Department of Applied Science, Dronacharya College of Engineering, Gurgaon (Delhi), India.

Dr. V. Sekar

Professor, Department of Electronics and Electrical Engineering, Principal Dhanalakshmi Srinivasan Institute of Technology, Samayapuram (Tamil Nadu), India.

Dr. S. Prabu

Associate Professor, Department of Computing Science and Engineering, VIT University Vellore (Tamil Nadu), India.

Dr. Mohammad Israr

Principal, Department of Mechanical Engineering, Balaji Engineering College Junagadh (Gujarat) India.

Dr. A. Siva Kumar

Professor & Head, Department of Mechanical Engineering, MLR Institute of Technology, Dundigal (Hyderabad), India.

Dr. Joydip Sengupta

Assistant Professor & Head, Department of Electronic Science, Jogesh Chandra Chaudhuri College (Affiliated to University of Calcutta), Kolkata (West Bengal), India.

Dr. B. P. Ladgaonkar

Associate Professor & Head, Department of Electronics, Shankarrao Mohite Mahavidyalaya, Akhuj (Maharashtra), India.

Dr. E. Mohan

Professor & Head, Department of Computer Science and Engineering, Pallavan College of Engineering, Kanchipuram (Tamilnadu), India.

Dr. M. Shanmuga Priya

Associate Professor, Department of Biotechnology, MVJ College of Engineering, Bangalore (Karnataka), India.

Dr. Leena Jain

Associate Professor & Head, Department of Computer Applications, Global Institute of Management & Emerging Technologies, Amritsar (Punjab), India.

Dr. S.S.S.V Gopala Raju

Professor, Department of Civil Engineering, GITAM School of Technology, GITAM, University, Hyderabad (Andhra Pradesh), India.

Dr. Ani Grubisic

Department of Computer Science, Teslina 12, 21000 split, Croatia.

Dr. Ashish Paul

Associate Professor, Department of Basic Sciences (Mathematics), Assam Don Bosco University, Guwahati (Assam), India.

Dr. Sivakumar Durairaj

Professor, Department of Civil Engineering, Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Chennai (Tamil Nadu), India.

Dr. Rashmi Nigam

Associate Professor, Department of Applied Mathematics, University Institute of Technology RGPV, Bhopal, (M.P.), India.

Dr. Mu-Song Chen

Associate Professor, Department of Electrical Engineering, Da-Yeh University, Taiwan, China.

Dr. Ramesh S

Associate Professor, Department of Electronics & Communication Engineering, Dr. Ambedkar Institute of Technology, Bangalore (Karnataka), India.

Dr. Nor Hayati Abdul Hamid

Associate Professor, Department of Civil Engineering, University Teknologi Mara, Selangor, Malaysia.

Dr. C. Nagarajan

Professor & Head, Department of Electrical & Electronic Engineering, Muthayammal Engineering College, Rasipuram (Tamil Nadu), India.

Dr. Ilaria Cacciotti

Department of Industrial Engineering, University of Rome Tor Vergata Via del Politecnico, Rome-Italy.

2010

Editor-In-Chief**Dr. Shachi Sahu**

Ph.D. (Chemistry), M.Sc. (Organic Chemistry)

Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd., Bhopal(M.P.), India

Dr. Shiv Kumar

Ph.D. (CSE), M.Tech. (IT, Honors), B.Tech. (IT), IEEE Member

Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd., Bhopal(M.P.), India

Professor, Department of Computer Science & Engineering, Lakshmi Narain College of Technology (LNCT), Bhopal (M.P.), India

Advisory Chair**Dr. Uma Shanker**

Professor & Head, Department of Mathematics, Chouksey Engineering College, Bilaspur (C.G.), India.

Dr. Rama Shanker

Professor & Head, Department of Statistics, Eritrea Institute of Technology, Asmara, Eritrea.

Dr. Vinita Kumari

Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd., India

Dr. Sadhana Vishwakarma

Associate Professor, Department of Chemistry, Technocrat Institute of Technology, Bhopal (M.P.), India.

Dr. Kamal Mehta

Associate Professor, Department of Computer Engineering, Institute of Technology, NIRMA University, Ahmedabad (Gujarat), India.

Dr. Suresh Babu Perli

Professor & Head, Department of Electrical and Electronic Engineering, Narasaraopeta Engineering College, Guntur (A.P.), India.

Dr. Binod Kumar

Associate Professor, School of Engineering and Computer Technology, Faculty of Integrative Sciences and Technology, Quest International University, Ipoh, Perak, Malaysia.

Dr. Chiladze George

Professor, Faculty of Law, Akhaltsikhe State University, Tbilisi University, Georgia.

Dr. Kavita Khare

Professor, Department of Electronics & Communication Engineering., MANIT, Bhopal (M.P.), India.

Dr. C. Saravanan

Associate Professor (System Manager) & Head, Computer Center, NIT, Durgapur (W.B), India.

Dr. S. Saravanan

Professor, Department of Electrical and Electronics Engineering, Muthayamal Engineering College, Resipuram (Tamilnadu), India.

Dr. Amit Kumar Garg

Professor & Head, Department of Electronics and Communication Engineering, Maharishi Markandeshwar University, Mullana Ambala (Haryana), India.

Dr. Kamal K Mehta

Associate Professor, Department of Computer Engineering, Institute of Technology, NIRMA University, Ahmedabad (Gujarat), India.

Dr. Sahab Singh

Associate Professor, Department of Management Studies, Dronacharya Group of Institutions, Greater Noida (U.P), India.

Dr. Umesh Kumar

Principal, Govt Women Poly, Ranchi (Jharkhand), India.

Dr. Jaswant Singh Bhomrah

Director, Department of Profit Oriented Technique, Navsari (Gujarat), India.

Technical Chair**Dr. Mohd. Husain**

Director. MG Institute of Management & Technology, Banthara, Lucknow (U.P.), India.

Dr. T. Jayanthi

Principal, Panimalar Institute of Technology, Chennai (TN), India.

Dr. Umesh A.S.

Director, Technocrats Institute of Technology & Science, Bhopal (M.P.), India.

Dr. B. Kanagasabapathi

Infosys Labs, Infosys Limited, Center for Advance Modeling and Simulation, Infosys Labs, Infosys Limited, Electronics City, Bangalore, India.

Dr. C.B. Gupta

Professor, Department of Mathematics, Birla Institute of Technology & Sciences, Pilani (Rajasthan), India.

Dr. Jaydeb Bhaumik

Associate Professor, Department of Electronics & Communication Engineering, Haldia Institute of Technology, Haldia (Bengal), India.

Dr. Rajesh Das

Associate Professor, School of Applied Sciences, Haldia Institute of Technology, Haldia (West Bengal), India.

Dr. Mrutyunjaya Panda

Professor & Head, Department of EEE, Gandhi Institute for Technological Development, Bhubaneswar, Odisha, India

Dr. Mohd. Nazri Ismail

Associate Professor, Department of System and Networking, University of Kuala (UniKL), Kuala Lumpur, Malaysia.

Dr. Haw Su Cheng

Faculty of Information Technology, Multimedia University (MMU), Jalan Multimedia (Cyberjaya), Malaysia.

Dr. Hossein Rajabalipour Cheshmehgaz

Department of Industrial Modeling and Computing, Faculty of Computer Science and Information Systems, Universiti Teknologi Malaysia (UTM) 81310, Skudai, Malaysia.

Dr. Sudhinder Singh Chowhan

Associate Professor, Institute of Management and Computer Science, NIMS University, Jaipur (Rajasthan), India.

Dr. Neeta Sharma

Professor & Head, Department of Communication Skills, Technocrat Institute of Technology, Bhopal (M.P.), India.

Dr. Ashish Rastogi

Associate Professor, Department of CS & IT, Guru Ghansi Das University, Bilaspur (C.G.), India.

Dr. Santosh Kumar Nanda

Professor, Department of Computer Science and Engineering, Eastern Academy of Science and Technology (EAST), Khurda (Orisa), India.

Dr. Hai Shanker Hota

Associate Professor, Department of CSIT, Guru Ghansi Das University, Bilaspur (C.G.), India.

Managing Chair**Mr. Jitendra Kumar Sen**

International Journal of Engineering and Advanced Technology (IJEAT)

Reviewer Chair**Dr. Saeed Balochian**

Associate Professor, Gonaabad Branch, Islamic Azad University, Gonabad, Iran.

Dr. Mongey Ram

Associate Professor, Department of Mathematics, Graphics Era University, Dehradun (Uttarakhand), India.

Dr. Arupratan Santra

Sr. Project Manager, Infosys Technologies Ltd, Hyderabad (A.P.), India.

Dr. Ashish Jolly

Dean, Department of Computer Applications, Guru Nanak Khalsa Institute & Management Studies, Yamuna Nagar (Haryana), India.

Dr. Israel Gonzalez Carrasco

Associate Professor, Department of Computer Science, Universidad Carlos III de Madrid, Leganes (Madrid), Spain.

Dr. Khushali Menaria

Associate Professor, Department of Bio-Informatics, Maulana Azad National Institute of Technology (MANIT), Bhopal (M.P.), India.

Dr. R. Sukumar

Professor, Sethu Institute of Technology, Pulloor, (Tamil Nadu), India.

Dr. Cherouat Abel

Professor, University of Technology, Troyes, France.

Dr. Rinkle Aggrawal

Associate Professor, Department of Computer Science and Engineering, Thapar University, Patiala (Punjab), India.

Dr. Parteek Bhatia

Associate Professor, Department of Computer Science & Engineering, Thapar University, Patiala (Punjab), India.

Dr. Manish Srivastava

Professor & Head, Department of Computer Science and Engineering, Guru Ghasidas Central University, Bilaspur (C.G.), India.

Dr. Pratosh Bansal

Associate Professor, Department of Information Technology, Institute of Engineering and Technology, Devi Ahilya Vishwavidyalaya, Indore (M.P.), India.

Dr. Pouya Derakhshan Barjoei

Associate Professor, Department of Electrical and Computer Engineering, Islamic Azad University, Naein Branch, Iran.

Dr. Subrata Bhowmik

Technical University of Denmark, Lyngby, Denmark.

Dr. Ashraf Hossain

Associate Professor, Department of Electronics & Communication Engineering, Aliah University, Kolkata (W.B), India.

Dr. A. Subramani

Professor, Department of MCA, K.S.R. College of Engineering, Tiruchengode (Tamil Nadu), India.

Dr. K. Ramesh Kumar

Associate Professor, Department of Information Technology, Hindustan University, Chennai (Tamil Nadu), India.

Dr. Jatinder Kumar R. Saini

Associate Professor & Head, Department of Computer Science, Sankalchand Patel College of Engineering, Visnagar (Gujrat), India.

Dr. Sanchayan Mukherjee

Associate Professor, Department of Mechanical Engineering, Kalyani Government Engineering College, Kalyani University, Kalyani (West Bengal), India.

Dr. Tapanendu Kamilya

Associate Professor, Department of Physics, Narajole Raj College, Narajole (West Bengal), India.

Dr. A. K. Malik

Associate Professor, Department of Mathematics, B K Birla Institute of Engineering & Technology, Pilani (Rajasthan), India.

Dr. P. Sandhya Joshi

Associate Professor, Department of Computer Science, Amrita Vishwa Vidayapeetham University, Mysore (Karnataka), India.

Dr. Jayashri Vajpai

Associate Professor, Department of Electrical Engineering, J.N.V. University, Jodhpur (Rajasthan), India.

Dr. Sam Emmanuel W R

Associate Professor, Department of Computer Science, Nesamony Memorial Christian College, Marthandam (TN), India.

Dr. Sanjay Babarao Warkad

Associate Professor, Department of Electrical Engineering, Priyadarshini College of Engineering, Nagpur (Maharashtra), India.

Dr. Ahmed Nabih Zaki Rashed

Associate Professor, Department of Electronics and Electrical Communication Engineering, Menoufia University, Menoufia, Egypt.

Dr. Deepali Virmani

Associate Professor, Department of Computer Science & Engineering, Bhagwan Parshuram Institute of Technology, GGSIPU, Rohini (Delhi), India.

Dr. M. Subba Rao

Professor, Department of Information Technology, Annamacharya Institute of Technology and Sciences, Kadapa (Andhra Pradesh), India.

Dr. K.V.L.N. Acharyulu

Professor, Faculty of Science, Department of Mathematics, Bapatla Engineering College, Bapatla (Andhra Pradesh), India.

Dr. Remiseti Rajeswara Rao

Professor & Haed, Department of Computer Science and Engineering, Mahatma Gandhi Institute of Technology, Gandipet (Hyderabad), India.

Dr. R.R. Mudholkar

Associate Professor, Department of Electronics, Shivaji University, Kodhapu (Maharashtra), India.

Dr. Rajesh Kumar U. Sambhe

Associate Professor & Head, Department of Mechanical Engineering Workshop, Jawaharlal Dard Institute of Engineering and Technology, Yavatmal (Maharashtra), India.

Dr. A. Indra

Senior General Manager, Department of Space, Control Centre and Computer Facilities, ISRO Telemetry, Tracking and Command Network, Bangalore (Karnataka), India.

Dr. M. Sasikumar

Professor, Department of Electronics and Electrical Engineering, Jeppiaar Engineering College, Chennai (Tamil Nadu), India.

Dr. Syed Asfandyar Gilani

Research Associate at SCIT Lab, Lahore, Pakistan.

Dr. VPS Naidu

Scientist, MSDF Lab, CSIR-NAL, Bangalore (Karnataka), India.

Dr. Kamal K. Mandal

Associate Professor, Department of Power Engineering, Jadavpur University, Salt Lake Campus, Kolkata (West Bengal), India.

Dr. G. Sreedhar

Associate Professor, Department of Computer Science, Rashtriya Sanskrit Vidyapeetha (Deemed University), Tirupati, (A.P), India.

Dr. B. Muthukumar

Associate Professor, Department of Information Technology, Kathir College of Engineering, Neelambur, Coimbatore (Tamil Nadu), India.

Dr. V. Nagarajan

Professor & Head, Department of Electrical and Electronics Engineering, Sona College of Technology, Salem (Tamil Nadu), India.

Dr. R. Arulmozhiyal

Associate Professor, Department of Electronics and Communication Engineering, Adhiparasakthi College of Engineering, Villupuram (Tamil Nadu), India.

Dr. R. Harikumar

Professor, Department of Electronics and Communication Engineering, Bannari Amman Institute of Technology, Sathyamangalam (Tamil Nadu), India

Dr. Anand Kumar

Professor & Head, Department of MCA, M.S. Engineering College, Bangalore (Karnataka), India.

Dr. Mohamed Rahayem

School of Science and Technology, Karlavägen (Karlskoga), Sweden.

Dr. P.T.V. Bhuvaneshwari

Associate Professor, Department of Electronics Engineering, Madras Institute of Technology Anna University, Chennai (Tamil Nadu), India.

Dr. Mangey Ram

Associate Professor, Department of Mathematics, Graphic Era University, Dehradun (Uttarakhand), India.

Dr. Sarika Jain

Assistant Professor, Department of Computer Applications, National Institute of Technology, Kurukshetra (Haryana), India.

Dr. Adri Jovin J.J.

Associate Professor, Department of Computer Science & Engineering, Sri Narayana Guru Institute of Technology, Coimbatore (Tamil

Nadu), India.

Dr. V. Kumar Chinnaiyan

Professor & Head, Department of Electrical and Electronics, Jansons Institute of Technology, Caimbatore (Tamil Nadu), India.

Dr. T. Pearson

Professor, Department of Electronics and Communication Engineering, SMK Fomra Institute of Technology, Anna Nagar (Chennai), India.

Dr. Indu Verma

Professor, Department of Physics, University of Lucknow (U.P.), India.

Dr. Pravin P Patil

Associate Professor, Department of Mechanical Engineering, Graphic Era University, Dehradun (Uttarakhand), India.

Dr. Surendra Yadav

Professor, Department of Computer Science and Engineering, Dreen Avenue, Jaipur (Rajasthan), India.

Dr. K. Sivakumar

Assoc. Professor, Department of Computer Applications, SNMV College of Arts & Science, Coimbatore (Tamil Nadu), India.

Dr. Lazar Stosic

College for Professional Studies Educators, Aleksinac, Serbia, Europe.

Dr. Ashu Gupta

Associate Professor, Department of Computer Applications, Apeejay Institute of Management Technical Campus, Jalandhar (Punjab), India.

Dr. T. Logeswari

Associate Professor, Department of MCA, Dr. N.G.P. Institute of Technology, Coimbatore (Tamil Nadu), India.

Dr. Nurul Fadly Habidin

Department of Management, Faculty of Management and Economics, Universiti Pendidikan Sultan Idris, Perak.

Dr. S. Manikandan

Dean, Department of Electronics and Communication Engineering, VKS College of Engineering and Technology, Karur (Tamil Nadu), India.

Dr. S. Sasikumar

Department of Electronics and Communication Engineering, Jayaram College of Engineering and Technology, Tiruchirappalli (Tamil Nadu), India.

Dr. Mojtaba Moradi

Associate Professor, Department of Statistics, Faculty of Mathematical Sciences, University of Guilan, Rasht, Iran.

Dr. Neeraj Kumar

Associate Professor, Department of Applied Sciences & Humanities, IIMT Engineering.College, Meerut (U.P.), India.

Dr. T. V. Suryanarayana

Associate Professor, Department of ECM, K L University, Green Fields,Vaddeswaram, Guntur (A.P.), India.

Dr. Yaswanth Kumar Avulapati

Department of Computer Science, S.V.U. College of CM & CS, S.V. University, Tirupati (A.P.), India.

Dr. N Dinesh Kumar

Professor, Department of Electronics & Instrumentation, Vignan Institute of Technology and Science, Nalgonda (Telangana), India.

Dr. Deepshikha Bhargava

Associate Professor & Head, Department of Information Technology, Amity University, Jaipur (Rajasthan), India.

Dr. Dinesh Sharma

Associate Professor, Department of Electronics and Communication Engineering, DAV College of Engineering & Technology, Kanina (HR), India.

Dr. Aginam, Chukwurah Henry

Department of Civil Engineering/Structural Engineering, Nnamdi Azikiwe University, Awka, Anambra, Nigeria.

Dr. Messaouda AZZOUZI

Associate Professor, Department of Sciences and Technologies, Djelfa, Algeria.

Dr. Remica Aggarwal

Associate Professor, Department of Management, Birla Institute of Technology and Science, Pilani (Rajasthan), India.

Dr. Dinesh Chandra Jain

Associate Professor, Department of Computer Science & Engineering, Shri Vaishnav Institute of Technology and Science, Indore (M.P.), India.

Dr. Vu Truong Vu

Department of Civil Engineering, Ho Chi Minh City University of Transport, Faculty of Civil Engineering, Binh Thanh, Vietnam.

Dr. Muhammad Farhan

Department of Mathematical Models & Travel Demand Forecasting, Wasatch Front Regional Council, USA.

Dr. S. Sumathi

Professor, Department of Electrical and Electronics Engineering, Vinayaka Mission's Kirupananda Variyar Engineering College, Salem (Tamil Nadu), India.

Dr. G. Subramanya Nayak

Associate Professor, Department of Electronics & Communication Engineering, Manipal Institute of Technology, Manipal University, Manipal (Karnataka), India.

Dr. R. Balamurugan

Professor, Department of Electrical and Electronics Engineering, KSR College of Technology, Tiruchengode (Tamil Nadu), India.

Dr. Ganesh Kumar T

Department of Computer Science and Engineering, Manonmaniam Sundaranar University, Tirunelveli (Tamil Nadu), India.

Dr. K. Siva Rama Krishna

Associate Professor, Department of Civil Engineering, Gitam University, Visakhapatnam (Andhra Pradesh), India.

Dr. P. Sanjeevi Kumar

Associate Professor, Department of Electrical Engineering, Bharathi Street (Puducherry), India.

Dr. DALAH Mohamed

Professor, Department of Mathematics, Faculty of Sciences, University of Constantine, Algeria.

Dr. Shoukat Ali

Professor, Department of Mathematics, Govt. Engineering College Bikaner, Bikaner (Rajasthan), India.

Dr. Vijay K Chaudhari

Professor & Head, Department of Information Technology, Truba Institute of Engineering and Technology, Bhopal (M.P.), India.

Dr. Ricardo Rodriguez Jorge

Associate Professor, Technological University of Ciudad Juarez.

Dr. N. Venkatesan

Associate Professor, Department of IT, Bharathiyar College of Engineering and Technology, Thiruvettakudy (Puducherry), India.

Dr. Syed Umar

Associate Professor, Department of ECM, Koneru Lakshmaiah Education Foundation, Guntur (A.P.), India.

Dr. Manoranjan Pradhan

Professor, Department of Computer Science and Engineering, Gandhi Institute for Technological Advancement, Badaragunathpur (Odisha), India.

Dr. H. S. Behera

Associate Professor, Department of Computer Science and Engineering, Veer Surendra Sai University of Technology, Burla, Sambalpur (Odisha), India.

Dr. Sunil Kumar

Associate Professor, Department of Mathematics, National Institute of Technology, Jharkhand, India.

Dr. Shrikant Tiwari

Associate Professor, Department of Computer Science & Engineering, Shri Shankaracharya Group of Institutions, Chattisgarh, India.

Dr. Ahmed AbdAllah Hassan

Associate Professor, Department of Computer Science and Information, Community College, Taibah University, Al Medina Al Munawara, Saud Arabia.

Dr. Vijay H Mankar

Associate Professor, Department of Electronics and Telecommunication, Govt. Poly Technique, Nagpur (Maharashtra), India.

Dr. Govindaraj Thangavel

Professor & Head, Department of Electronics and Electrical Engineering, Muthayammal Engineering College, Namakkal (Tamil Nadu), India.

Dr. Satish Kumar Peddapelli

Associate Professor, Department of Electrical Engineering, University College of Engineering, Osmania University, Hyderabad (Andhra Pradesh), India.

Dr. Kola Satya Narayana

Pragati Engineering College, East Godavari (Andhra Pradesh), India.

Dr. Pankaj Kumar Sharma

Associate Professor, Department of Electronics and Communication Engineering, Moradabad Institute of Technology, Moradabad (U.P.), India.

Dr. Shaikh Abdul Hannan

Associate Professor, Department of Computer Science, Vivekanand Arts Sardar Dalipsing Arts and Science College, Aurangabad (Maharashtra), India.

Dr. Om Prakash Singh

Associate Professor, School of Engineering, Indian Institute of Technology (IIT) Mandi, Mandi (Himachal Pradesh), India.

Dr. JatinderKumar R. Saini

Associate Professor & Head, Department of Computer Science, Sankalchand Patel College of Engineering, Mehsana (Gujrat), India.

Dr. G. R. Rameshkumar

Senior Lecturer, Department of Mechanical & Industrial Engineering, Caledonian College of Engineering, SEEB, Oman.

Dr. K.S. Zakiuddin

Dean Academics, Professor & Head, Department of Mechanical Engineering, Priyadarshini College of Engineering, Nagpur Maharashtra, India.

Dr. Kamal K Mandal

Associate Professor & Ex-Head, Department of Power Engineering, Jadavpur University, Salt Lake Campus, Kolkata (West Bengal), India.

Dr. Satyanarayana

Professor, Department of Biomedical Engineering, Director of Research, Orthopaedic Surgery, Wayne State University, Bioengineering Center, Michigan, USA.

Dr. Chitra Dhawale

Department of M.C.A , P. R. Patil Group of Educational Institutes, Amravati (Maharashtra), India.

Dr. Abdul Mutalib Leman

Associate Professor, Faculty of Mechanical and Manufacturing Engineering, University Tun Hussein Onn Malaysia, Malaysia.

Dr. Ashis Banerjee

400 Stone Break Extension, Malta, NY 12020, USA.

Dr. B. L Dhananjaya

Associate Professor, School of Chemical and Biotechnology (SCBT), SASTRA University, Thirumalaisamudram (Tamil Nadu), India.

Dr. S. Kishore Reddy

Associate Professor, Department of Electronics & Communication Engineering, Swarna Bharathi College of Engineering, Khammam (Andhra Pradesh), India.

Dr. Rajesh Singh

Head, Institute of Robotics Technology, University of Petroleum and Energy Studies, Dehradun (Uttarakhand), India.

Dr. Binay Kumar

Associate Professor, Department of Applied Science, Dronacharya College of Engineering, Gurgaon (Delhi), India.

Dr. V. Sekar

Professor, Department of Electronics and Electrical Engineering, Principal Dhanalakshmi Srinivasan Institute of Technology, Samayapuram (Tamil Nadu), India.

Dr. S. Prabu

Associate Professor, Department of Computing Science and Engineering, VIT University Vellore (Tamil Nadu), India.

Dr. Mohammad Israr

Principal, Department of Mechanical Engineering, Balaji Engineering College Junagadh (Gujarat) India.

Dr. A. Siva Kumar

Professor & Head, Department of Mechanical Engineering, MLR Institute of Technology, Dundigal (Hyderabad), India.

Dr. Joydip Sengupta

Assistant Professor & Head, Department of Electronic Science, Jogesh Chandra Chaudhuri College (Affiliated to University of Calcutta), Kolkata (West Bengal), India.

Dr. B. P. Ladgaonkar

Associate Professor & Head, Department of Electronics, Shankarrao Mohite Mahavidyalaya, Akluj (Maharashtra), India.

Dr. E. Mohan

Professor & Head, Department of Computer Science and Engineering, Pallavan College of Engineering, Kanchipuram (Tamilnadu), India.

Dr. M. Shanmuga Priya

Associate Professor, Department of Biotechnology, MVJ College of Engineering, Bangalore (Karnataka), India.

Dr. Leena Jain

Associate Professor & Head, Department of Computer Applications, Global Institute of Management & Emerging Technologies, Amritsar (Punjab), India.

Dr. S.S.S.V Gopala Raju

Professor, Department of Civil Engineering, GITAM School of Technology, GITAM, University, Hyderabad (Andhra Pradesh), India.

Dr. Ani Grubisic

Department of Computer Science, Teslina 12, 21000 split, Croatia.

Dr. Ashish Paul

Associate Professor, Department of Basic Sciences (Mathematics), Assam Don Bosco University, Guwahati (Assam), India.

Dr. Sivakumar Durairaj

Professor, Department of Civil Engineering, Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Chennai (Tamil

Nadu), India.

Dr. Rashmi Nigam

Associate Professor, Department of Applied Mathematics, University Institute of Technology RGPV, Bhopal, (M.P.), India.

Dr. Mu-Song Chen

Associate Professor, Department of Electrical Engineering, Da-Yeh University, Taiwan, China.

Dr. Ramesh S

Associate Professor, Department of Electronics & Communication Engineering, Dr. Ambedkar Institute of Technology, Bangalore (Karnataka), India.

Dr. Nor Hayati Abdul Hamid

Associate Professor, Department of Civil Engineering, University Teknologi Mara, Selangor, Malaysia.

Dr. C. Nagarajan

Professor & Head, Department of Electrical & Electronic Engineering, Muthayammal Engineering College, Rasipuram (Tamil Nadu), India.

Dr. Ilaria Cacciotti

Department of Industrial Engineering, University of Rome Tor Vergata Via del Politecnico, Rome-Italy.

The Contribution Of Competence, Motivation, And Creativity Towards Teacher's Performance Through Work Satisfaction

Sri Langgeng Ratnasari, Gandhi Sutjahjo, Adam

ABSTRACT--- This research aimed at finding the contribution of competence, motivation, and creativity toward teacher's performance through work satisfaction on teachers at model schools in Batam. 117 teachers from three model schools were set as the targeted respondents. A questioner was given to the teachers to gain data on teacher's competence, motivation, creativity, work satisfaction, and performance. The questioners were analyzed using SPSS for Windows version 22.0, for its reliability and validity, and System Equation Modeling (SEM) version 22.0 for normality, regression co-efficient, and determination. The data result showed that: (1) there are three variables which significantly have positive influence; competence toward work satisfaction, motivation toward work satisfaction, and motivation toward teacher's performance; (2) one variable significantly have negative influence, that is creativity toward work satisfaction; (3) one variable has not-significant negative influence: creativity toward teacher performance; (4) two variables have not significant positive influence: competence toward teacher's performance and creativity toward teacher's performance. The contribution of competence, motivation and creativity toward work satisfaction is 76.1%, and the contribution of competence, motivation, and creativity toward teacher's performance is 29.1%. In the three model schools in Batam, competence and motivation have positive contribution toward work satisfaction; motivation has positive contribution toward teacher's performance; creativity does not contribute toward work satisfaction; competence and creativity contribute to teacher's performance although is not significant.

Index Terms: Teacher's Performance, Work Satisfaction, Creativity, Competence

I. INTRODUCTION

Every organization needs employees who have superior performance. Performance is the result of work shown both quantitatively and qualitatively. Quantitative performance is the result obtained as measured by numbers such as the amount of work of employees in the unit every day, the amount of weight of goods that can be lifted by employees and so while the work can be qualitatively shown with quality like good or bad work produced by employees, Fajrin, Saragih, and Indratjahjo (2018). Many factors that impact of teacher performance are competence, motivation, Creativity, and Work Satisfaction.

The rapid development of science and technology at this time, has brought far-reaching implications for all aspects of human life, including the life of the organization, both

moving business sector and the public service sector. The existence of an organization in the age of globalization, should be regarded as living beings who want to grow and develop in accordance with the demands of a changing environment. To develop an organization that has the competitive advantage of value-based, then the management needs to pay attention to its organizational culture, because the organizational culture is a set of values, beliefs, and attitudes among members of the organization imposed.

Organizational culture is values that hold true of human resources in carrying out the obligations and behavior in the organization, Hakim (2015).

1.1. Competence

According to (Rohimah, 2013) Competence based on the abilities needed in the workplace that describes the expertise and expertise needed by each individual that enables them to carry out their duties and responsibilities effectively and improve professional quality standards at work.

Efendi (2013) competence represents basic human characteristics derived from real and influential experiences, can be used to estimate the level of performance in the workplace or remedial solutions according to specific needs.

Teacher competence is defined according the Ministry Regulation above Chapter II Article 3 Clause (1) which is stated that: "Competences meant in Article 2 is a set of knowledge, skill, and behavior that has to be possessed, internalized, mastered, and actualized by teachers in implementing professional tasks". As for the competence that teachers have to possess according to the same act in Chapter II Article 3 clause (2) it is stated that teacher competences meant in clause (1) consists of pedagogic ability, personality ability, social ability, and professional competence that are obtained through profession education.

Teacher Competence Dimensions As explained in the paragraph before that teacher competence consists of pedagogic competence, personality competence, social competence, and professional competence. Teacher competence dimensions according to Government Regulation of the Republic of Indonesia Number 74 Year 2008 About Teachers Chapter I Article 1, consists of: 1. Pedagogic Competence Dimension 2. Personality Competence 3. Social Competence 4. Professional Competence.

Revised Manuscript Received on April 19, 2019.

Sri Langgeng Ratnasari, Riau Kepulauan University, Batam, Indonesia. (Email: sarisucahyo@yahoo.com)

Gandhi Sutjahjo, Batam University, Batam, Indonesia.

Adam, Riau Kepulauan University, Batam, Indonesia.

1.2. Motivation

Ivansevich, Konopaske and Matteson (2015) states that there is no person that doubts the primary role of motivation in shaping behavior, and specifically in influencing job performance in organizations. Furthermore Ivansevich, Konopaske, and Matteson (2015) one of the important approaches in motivation is the theory that is stated by Mclelland.

Bangun (2012) defines motivation as the following: "Motivation comes from the word motive, which means push. Therefore motivation means a condition that pushes or becomes a cause a person does an act/activity that happens consciously".

1.3. Creativity

Theresia (2015) explains the meaning of creativity is the ability to create and produce something new. This ability is an imaginative ability whose results are the making of combinations of information obtained from previous experiences into useful new things.

Creativity is the ability to produce something that is not made by someone else, something new and possessing usefulness. Creativity can make abstract things come true, something potential becomes actual. Thus, it can be concluded that creativity is a person's ability to create something new, both in the form of ideas and real works.

1.4. Work Satisfaction

Wibisono (2011) states that work satisfaction becomes one of the important factors and is directly proportional with their contribution to the corporation. That will increase the efficiency and effectiveness of the corporation that implicates to the corporation's performance increase.

Work satisfaction is a frequently studied variable in organizational behavior research, and also a central variable in both research and theory of organizational phenomena. What is agreed is that, stemming from cognitive processes, work satisfaction is a generalized affective work orientation towards one's present work and employer, Martin and Gert (2017). Luthans (2016) provides a definition of work satisfaction as a result of employee perceptions of how well their work provides things that are considered important. Work satisfaction is an affective or emotional response to various aspects of one's work (Bentley et al., 2013).

Work satisfaction by (Stello, 2014) is a pleasant or unpleasant emotional state in which employees view their work. Work satisfaction reflects a person's feelings toward his work the employees perceive their work. While (Singh, 2013) states that work satisfaction is an effectiveness or emotional response to various aspects of work. Luthans also assumes that work satisfaction is an important factor to be considered in understanding organizational behavior.

Sopiah (2013) explained some notions of work satisfaction, namely work satisfaction is a person's emotional response to work situations and conditions. Emotional responses can be feelings of satisfaction or dissatisfaction. If emotionally satisfied means job satisfaction is achieved and vice versa if it does not mean that employees are not satisfied.

Sutrisno (2013) states that job satisfaction is the attitude of employees towards work related to work situations, cooperation between employees, rewards received in work,

and things related to physical and psychological factors. This attitude towards work is the result of a number of specific individual attitudes and individual social relations outside the work so as to give rise to an individual's general attitude towards the work he is facing.

Perwita (2013) states that work satisfaction is the difference between the expectations imagined by someone from the contribution of the work that has been done and the reality they expect. From some of the opinions above can be concluded that job satisfaction is a person's response to what they expect when working with what they get after they do the job.

1.5. Teacher Performance

Performance is defined as a reference level of success in achieving job requirements. Job requirements serve as guidelines and reference of employees in performing their duties and responsibilities. Working requirements that are met optimally are an indication of the achievement of success rate in work. With this achieving job requirements is a critical factor in the success of employee performance (Sutanto and Kurniawan, 2016).

Performance is the level of success in carrying out the task and ability to achieve goals that have been detected knowledge. Performance can be interpreted as a work that can be achieved by a person or group of people within an organization, in accordance with the authority and responsibility of each, in order to achieve the objectives of the organization concerned legally, not violating the law, and in accordance with the moral and ethical, Barasan, Gunawan, and Sumali (2018).

In an operational level, teachers are a determinant of education success through their performance in the institutional, instructional, and experiential levels Teachers are human resources that are able to leverage other factors so excellent learning is created and become a primary factor that determines education. According to Supardi (2013) teacher performance in learning becomes the most important part in supporting the creation of the education process effectively especially in developing a disciplinary attitude and quality as a result of the learning of students. Teacher performance is the ability of a teacher in implementing the learning task and responsible for students under their guidance by increasing the learning achievements of the students. Because of that, teacher performance is able to be defined as a condition that shows the ability of a teacher in implementing their tasks and illustrates the presence of an act that teachers show in or as long as implementing the learning activity.

II. METHODOLOGY/MATERIALS

2.1. Population

The population in this study were teachers of Civil Servants in the Model School in Batam City, namely teachers in Batam City 1 High School, teachers in Batam City 3 High Schools, and teachers in 16 Public High Schools in Batam City, with a large population of 117 people. teacher.



2.2. Samples

This research uses census or total sampling method. In this study, the sample size is adjusted to the analysis model used, namely the Structural Equation Model (SEM). Ferdinand (2014) argues that in relation to this, the sample size for SEM

using the estimated maximum likelihood estimation (MLE) model is 100-200 samples. Population details for the sample were 45 public high school 1 Batam PNS teachers, 49 Batam high school PNS 3 teachers, and 23 16 high school public high school PNS teachers'

2.3. Data Collection Techniques

To obtain the data and information needed, data collection techniques are used questionnaires or questionnaire is to make a list of questions in the form of a questionnaire addressed to the teacher of Model School in Batam City in the form of a check list, where each question or statement mumpunyai 5 options based on the Likert scale.

2.4. Validity Test

Validity is the degree of reliability and validity of the measuring instruments used. Said to be valid when the instrument measuring instrument used to obtain the data is valid or can be used to measure what should be measured (Sugiyono, 2014). Thus, a valid instrument is an instrument that is really appropriate for measuring what is to be measured.

2.5. Reliability Test

Reliability test is useful for determining whether an instrument is in this questionnaire can be used more than once, at least not by the same respondent will produce consistent data. In other words, the reliability of the instrument to characterize the level of consistency. Reliability testing is done by calculating the coefficient of reliability by using Cronbach's Alpha formulations.

2.6. Data Analysis Techniques

2.7. Structural Equation Modeling

Data Analysis Techniques use the structural Equation Modeling.

III. RESULT AND FINDING

The effect of the Competent latent variable (Komp) on the latent variable Job satisfaction (Kep) has a standardized estimate (regression weight) of 0.767 with Cr (Critical ratio = identical to the t-count value) of 3.328 on probability = ***. The values of CR 3.328 > 2.00 and Probability = (***) < 0.05 indicate that the effect of the latent variable Competence on the latent variable Job satisfaction is significantly positive.

Effect of latent variables Motivation (Mot) on latent variables Job satisfaction has a standardized estimate (regression weight) of 0.341 with Cr (Critical ratio = identical to t-count value) of 2.307 on probability = 0.021. The value of CR 2.307 > 2,000 and Probability = 0.021 < 0.05 indicates that the effect of latent variables Motivation on latent variables Job satisfaction is significantly positive.

Effect of latent variables Creativity on latent variables Job satisfaction has a standardized estimate (regression weight)

of -0,358 with Cr (Critical ratio = identical to t-count value) of -2,382 on probability = 0.017. The value of CR = -2.382 < 2,000 and Probability = 0.017 < 0.05 indicates that the effect of latent variables Creativity on latent variables Job satisfaction is a significant negative.

The Effect of Competence on Job Satisfaction is positive and significant, the effect of Motivation on Job Satisfaction is positively significant and the influence of Creativity on Job Satisfaction is significantly negative, then the simultaneous influence of Competence, Motivation, Creativity on Job Satisfaction is positively significant.

The three tables above show the effect of latent variables Competence on latent variables Teacher performance has a standardized estimate (regression weight) of 0.054 with Cr (Critical ratio = identical to t-calculated value) of 0.528 on probability = 0.957. The value of CR 0.528 < 2,000 and Probability = 0.957 > 0.05 indicates that the effect of latent variables Competence on latent variables Teacher performance is positively insignificant.

Contributions of latent variables Motivation towards latent variables Teacher performance has a standardized estimate (regression weight) of 0.413, with Cr (Critical ratio = identical to t-calculated value) of 2.129 on probability = 0.033. CR value 2.129 > 2,000 and Probability = 0.033 < 0.05 indicates that the effect of latent variables Motivation on latent variables Teacher performance is significantly positive.

Contribution of latent variables Creativity (Creat) to latent variables Teacher performance has a standardized estimate (regression weight) of -0.081, with Cr (Critical ratio = identical to t-count value) of - 0.381 on probability = 0.703. The CR value of -0.381 < 2,000 and Probability of 0.703 > 0.05 indicates that the influence of latent variables Creativity on latent variables Teacher performance is negatively insignificant.

Due to the influence of latent variables Competence on latent variables Teacher performance is positive not significant, the effect of latent variables Motivation I on latent variables Teacher performance is positively significant and the effect of latent variables Creativity on latent variables Teacher performance is negative not significant it can be declared the influence of Competence, Motivation, Creativity together towards latent variables Teacher performance is positively insignificant.

Effect of latent variables Job satisfaction on latent variables Teacher performance has a standardized estimate (regression weight) of 0.143, with Cr (Critical ratio = identical to t-count value) of 0.632 on probability = 0.527. CR value 0.632 < 2,000 and Probability = 0.527 > 0.05 indicates that the effect of the latent variable work satisfaction

IV. CONCLUSION

From the discussion in the previous chapter, it can be summarized several conclusions, namely:

1. Competence has a significant effect on job satisfaction
2. Motivation has a significant effect on job satisfaction.

3. Creativity has a significant effect on job satisfaction.
4. Competence, Motivation, Creativity has a significant effect on job satisfaction.
5. Competence has no significant effect on teacher performance.
6. Motivation has a significant effect on teacher performance.
7. Creativity has no significant effect on teacher performance.
8. Effect of competence, motivation, creativity has a significant effect on teacher performance.
9. Job satisfaction has no significant effect on teacher performance.

REFERENCES

1. Al Mehrzi, N., Singh, S.K. (2016), Competing through employee engagement: A proposed framework. *International Journal of Productivity and Performance Management*, 65(6), 831-843.
2. Ashurst, C., Cragg, P., Herring, P. (2012), The role of IT competences in gaining value from e-business: An SME case study. *International Small Business Journal*, 30(6), 640-658.
3. Azeem, Syed Muhammad and Nadeem Akbar. (2014). *Job Satisfaction and Organizational Commitment among Public Sector Employees in Saudi Arabia. International Journal of Business and Social Sciences. Vol.5.No.7.*
4. Barasan, Larsen, April Gunawan, and Bambang Sumali. (2018). Determinants of Job Satisfaction and it's Implication on Employee Performance of Port Enterprises in DKI Jakarta. *International Review of Management and Marketing. Vol. 8. Issue 5. Pp. 43-49.*
5. Bentley, P.J., Coates, H., Dobson, I.R., Goedegebuure, L., Meek, V.L. (2013), Academic Job Satisfaction from an International Comparative Perspective: Factors Associated with Satisfaction Across 12 Countries. Dordrecht: In *Job Satisfaction around the Academic World. p. 239-262.*
6. Bin S.A.S. (2016), The relationship between job satisfaction, job performance and employee engagement: An explorative study. *Issues in Business Management and Economics*, 4(1), 1-8.
7. Colquitt, J. A., Lepine, J. A., & Wesson, M. J. (2014). *Organizational Behavior Improving Performance and Commitment in The Workplace.* Mc Graw Hill.
8. Chu, J., Leino, A., Pflum, S., Sue, S. (2016), A model for the theoretical basis of cultural competency to guide psychotherapy. *Professional Psychology: Research and Practice*, 47(1), 18-29.
9. Darman and Djabir Hamzah. (2017). The Effect of Personality, Ability, Organizational Support, Job Satisfaction and Organizational Commitment towards Lecturer Performance of Private University in Gorontalo. *Scientific Research Journal (SCIRJ). Volume V, Issue VI. pp. 61-70.*
10. Davoudi SMM, Allahsyari M. (2013). "Effect Job Organization and Job Performance among Operation Staff". *American Journal of Industrial and Business Management*. 3(1):136-139.
11. Joo, B., Ready, K.J. (2012), Career satisfaction. *Career Development International*, 17(3), 276-295.
12. Landström, H., Harirchi, G., Åström, F. (2012), *Entrepreneurship: Exploring the knowledge base. Research Policy*, 41(7), 1154-1181.
13. Lecturer, I. (2018), Analysis of organizational culture, competence and work motivation: The effect on satisfaction and performance of government employees of parepare. *Russian Journal of Agricultural and Socio-Economic Sciences*, 74(2), 148-155.
14. Levi, D.S. 2006. *Designing and Managing the Supply Chain: Concepts, Strategies and Case Studies.* McGraw-Hill.
15. Mariati and Hanif Mauludin. (2018). The Influence of Organizational Culture and Work Motivation on Employee Performance, Job Satisfaction As Intervening Variable (Study On Secretariat Staff of Pasuruan Regency). *IOSR Journal of Business and Management. Vol.20. Issue 8. Pp.30-39.*
16. Martin, Adam, and Gert Roodt. (2017). Perceptions of Organizational Commitment, Job Satisfaction, and Turnover Intentions In A Post Merger South African Tertiary Institution. *Sajip journal. Vol.34.No.1.p.23-31.*
17. Mather, K., Seifert, R. (2011), Teacher, lecturer or labourer? Performance management issues in education. *Management in Education*, 25(1), 26-31.
18. Masydzulhak, Hapzi Ali, and Leni Dewi Anggraeni. (2016). The Influence Of Work Motivation and Organization Commitment, Satisfaction as an Intervening Variable in PT. Asian Isuzu Casting Center. *Quest Journals. Vol.4. Issue 10. Pp.1-10.*
19. McShane, Steven L, & Mary Ann Von Glinow. (2017). *Organizational Behaviour: Emerging Realities for the Workplace Resolution.* McGraw Hill, Boston.
20. Oosterbeek, H., van Praag, M., Ijsselstein, A. (2010), The impact of entrepreneurship education on entrepreneurship skills and motivation. *European Economic Review*, 54(3), 442-454.
21. Park, E.J., Kim, E.Y., Funches, V.M., Foxx, W. (2012), Apparel product attributes, web browsing, and e-impulse buying on shopping websites. *Journal of Business Research*, 65(11), 1583-1589.
22. Presbitero, A., Roxas, B., Chadee, D. (2016), Looking beyond HRM practices in enhancing employee retention in BPOs: Focus on employee-organisation value fit. *International Journal of Human Resource Management*, 27(6), 635-652.
23. Reissner, S., Pagan, V. (2013), Generating employee engagement in a public-private partnership: Management communication activities and employee experiences. *International Journal of Human Resource Management*, 24(14), 2741-2759.
24. Roghé, F., Toma, A., Kilmann, J., Dicke, R., Strack, R. (2012), *Organizational Capabilities Matter.* Sweden: BCG. p. 24.
25. Robbins, P. Stephen. (2016). *Organizational Behavior.* New Jersey: Prentice Hall International Inc.
26. Runi, Ishak., et al. (2017). Influence Leadership, Motivation, Competence, Commitment To Satisfaction And Performance Lecturer At Private Higher Education Kopertis Region IX in South Sulawesi Province. *IOSR Journal of Business and Management. Volume 19, Issue 7. Pp. 56-67.*
27. Sharma, Pooja. (2017). *Organizational culture as predictor of job satisfaction: The role of age and gender. Management Journal. Vol.22 No.1, pp.35-48*
28. Siahaan, E., Gultom, P., Lumbanraja, P. (2016), Improvement of employee banking performance based on competency improvement and placement working through career development (case study in Indonesia). *International Business Management*, 10(3), 255-261.
29. Singh, J.K. (2013), Study of employees' Job satisfaction and its. *Journal of Indian Research*, 1(4), 105-111.
30. Soetopo, dari O'Reilly, Charles and Chatman, J. (2010). "Organizational Commitment and Psychological



Attachment: The Effects of Compliance, Identification and Internalization on Prosocial Behavior". Journal of Applied Psychology, Vol 71.

31. Stello, C.M. (2014), Herzberg's two-factor theory of job satisfaction: An integrative literature review. *Progress in Development Studies*, 7(123), 21-32.
32. Sukirno, D.S., Siengthai, S. (2011), Does participative decision making affect lecturer performance in higher education? *International Journal of Educational Management*, 25(5), 494-508.
33. Sutanto, E.M., Kurniawan, M. (2016), The impact of recruitment, employee retention and labor relations to employee performance on batik industry in Solo city, Indonesia. *International Journal of Business and Society*, 17(2), 375-390.
34. Telha, A., Rodrigues, A., Páscoa, C., Tribolet, J. (2016), The competency architecture as error limiting element and efficiency enhancer in business processes. In *Procedia Computer Science*, 100, 665-670.
35. Thakur, R., Workman, L. (2016), Customer portfolio management (CPM) for improved customer relationship management (CRM): Are your customers platinum, gold, silver, or bronze? *Journal of Business Research*, 69(10), 4095-4102.
36. Thrun, M.M. (2014), Factors Affecting Job Satisfaction and Nurse Retention. *Journal of Nursing Management*, 19, 64-67.
37. Ukil, M.I. (2016), The impact of employee empowerment on employee satisfaction and service quality: Empirical evidence from financial enterprises in Bangladesh. *Verslas: Teorija Ir Praktika*, 17(2), 178-189.
38. Wang, X.H., Kim, T.Y., Lee, D.R. (2016), Cognitive diversity and team creativity: Effects of team intrinsic motivation and transformational leadership. *Journal of Business Research*, 69(9), 3231-3239.
39. Whitman, D. S., Van Rooy, D. L., & Viswesvaran, C. (2010). Satisfaction, citizenship behaviors, and performance in work units: A meta-analysis of collective construct relations. *Personnel Psychology*, 63(1), 41–81.
40. Yang, Y., Lee, P.K.C., Cheng, T.C.E. (2016), Continuous improvement competence, employee creativity, and new service development performance: A frontline employee perspective. *International Journal of Production Economics*, 171, 275-288.
41. Yang, C., & Hwang, M. (2014). Personality traits and simultaneous reciprocal influences between job performance and job satisfaction. *Chinese Management Studies*, 8(1), 6–26.