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Members in the News

Prof. (Dr.) Swapan Kumar Ghosh, FIE

Head, Department of Jute and Fibre Technology, Institute of Jute Technology, University of Calcutta, Kolkata and Member, Textile Engineering Division Board, IEI



Nominated as the Chairperson of Sectoral Technical Committees on Jute, Textiles and Leather Products for tenure of three years with effect from March 01, 2017, as per the announcement of the South Asian Regional Standards Organization.

Mr. Kapil Jambhulkar, MIE

Senior Divisional Mechanical Engineer/Diesel, Northeast Frontier Railway, Guwahati, Assam

Received 'National Award' in recognition of his outstanding service towards his organisation from Mr. Suresh Prabhakar Prabhu, Hon'ble Minister of Railways, Government of India on the occasion of 62nd Annual Railway National Awards Function held at Raipur on April 23, 2017.



Mr. Alok Gora, MIE

Assistant Professor, Department of Agricultural Engineering, C.P. College of Agriculture, Sardarkrushinagar Dantiwada Agricultural University, Sardarkrushinagar, Gujarat



❖ Received 'Young Professional Engineer Award 2016' in recognition of his outstanding contribution and technological advancement in the field of Agricultural Engineering from CTAE Alumni Society, Udaipur at College of Technology and Engineering, Maharana Pratap

University of Agriculture and Technology, Udaipur on October 08, 2016

❖ Received 'BRICPL Excellence Award in Teaching and Research' for his contribution in the field of Agricultural Engineering on the occasion of International Conference on 'Emerging Trends in Allied & Applied Biotechnology' organized by Biologix Research and Innovation Centre Pvt. Ltd. at Orchha, Madhya Pradesh during April 01-02, 2017.

Mr. Omkar Suresh Vaidya, AMIE

Assistant Professor, Department of Electronics and Telecommunication Engineering, Sandip Institute of Technology and Research Centre, Nashik, Maharashtra



Received 'Best Paper Award' for his paper entitled "Development of Real Time RFID Based Book Search in College Library" along with three co-author in National Conference on 'Electronics Communication and Computing 2017' organized by Trinity College of Engineering and Research at Pune on February 25, 2017.

Dr. Sushovan Chatterjee, MIE

Associate Professor and Head, Department of Mechanical Engineering, Cooch Behar Government Engineering College, Cooch Behar, West Bengal

❖ Presented a paper entitled "Facile Synthesis and Characterization of Silver Support Zinc Oxide Nano Particles" at 24th Annual International Conference on 'Composites and Nano Engineering' organized by International Community for Composite Engineering at Haikou, Hainan Island, China during July 17-23, 2016.

❖ Presented a paper entitled "Analysis of Design and Material Selection of a Spur Gear Pair for Solar Tracking Application" at International Conference on 'Processing of Materials Minerals and Energy 2016' organized by PACE Institute of Technology and Sciences, Ongole, Andhra Pradesh during July 29-30, 2016.

❖ Chaired two technical sessions at International Conference on 'Recent Trends in Engineering and Material Sciences' organized by Jaipur National University, Jaipur during March 17-19, 2016.



Mr. Pradeep Singh Gour, FIE

Director, Lawrence and Mayo Education Group, Kota, Rajasthan

Appointed as a Member of Academic Senate of Indian Institute of Information Technology, Kota on January 18, 2017.

Members in the News

Dr. S. Bharathi Raja, FIE

Principal and Professor, Indra Ganesan College of Engineering, Trichy, Tamilnadu



Delivered a keynote address in on the topic “A Guide to Beginner's in Research” at the Faculty Development Program organised by Indra Ganesan College of Engineering at Trichy on January 07, 2017.

Dr. T. T. M. Kannan, AMIE

Associate Professor, Department of Mechanical Engineering, Indra Ganesan College of Engineering, Trichy, Tamilnadu

❖ Awarded Ph.D. on the topic “Development of Portable Tabletop Micro factory for sustainable manufacturing system” in Mechanical Engineering discipline by PRIST University, Thanjavur in March 2017.

❖ Received a grant of Rs 50,000/- from The Institution of Engineers (India) under R & D Grant in Aid scheme for carrying out the research project titled “Development of MEMS based Pocket Factory for Sustainable Manufacturing System” in undergraduate level on October 06, 2016. The project was completed in April 2017.



Mr. E. Udayakumar, AMIE

Assistant Professor, Department of Electronics and Communication Engineering, Kalaigarkarananidhi Institute of Technology (KIT), Coimbatore, Tamilnadu



❖ Attended the National Workshop on “Image Processing for Biomedical Applications 2016”, organized by Department of Electronics and Communication Engineering, Amrita School of Engineering (Amrita University) at Coimbatore during December 16-17, 2016.

❖ Acted as resource person for the National Conference on “Cognitive Radio Networks for Satellite and Space Communications 2017” organised by Department of Electronics and Communication Engineering, KIT, Coimbatore during January 24-25, 2017. Received a Grant of Rs.40,000/- from Indian Space Research Organisation (ISRO) for conducting the said National Conference.

Mr. M. M. Kamath, FIE

Former Chief Engineer (Civil), New Mangalore Port and Consultant, Mangalore, Karnataka



Presented a paper on “Dredging Contracts” at International Conference on 'Dredging, Ports, Harbors and Inland Waterways' organised by Eastern Dredging Association (India) at Hyderabad on March 24, 2017. He has also participated a panel discussion during the Conference.

Mr. Adinarayanane Ramamurthy, MIE

Junior Town Planner, PPA-Town & Country Planning Organization, Government of Puducherry, Puducherry

Awarded Ph.D. on the research topic “Planning for Energy Efficient Sustainable Development of Chennai Metropolitan City, India” in the field of Urban Studies and Planning by Faculty of Architecture and Planning, Anna University in May 2017. The research work was carried out under the guidance of Dr. Monsingh D. Devadas, Professor and Dean, School of Architecture and Planning, Anna University, Chennai.



Dr. N. Rajesh Jesudoss Hynes, MIE

Associate Professor, Department of Mechanical Engineering, Mepco Schlenk Engineering College, Sivakasi, Tamilnadu



❖ Delivered a lecture on “Customer Oriented Product Development” in Ideathon Workshop on 'Entrepreneurship Development' organized by Entrepreneurship Development & Innovation Council of Mepco Schlenk Engineering College in Sivakasi on April 22, 2017.

❖ Received a grant of Rs 3,20,000/- from Tamil Nadu State Council for Science and Technology, Chennai on April 11, 2017 for the project entitled “Computer Guided Drill less Dentistry using Micro-air Abrasion Technology” along with the two co-investigators of the project. Mrs. J. Angela Jenifa Sujana, Asso.Prof./IT as Principal Investigator & Dr. N. Rajesh Jesudoss Hynes, Asso.Prof./MECH. as Co-Principal Investigator for a project duration of two years.

Members in the News

Mrs. C. Kayalvizhi, AMIE

Professor and Head, Department of Textile Technology, SSM College of Engineering, Namakkal, Tamilnadu



Presented a paper on "Functional Properties of Bamboo/Polyester and Bamboo/Cotton Knitted Fabric" in 'Global Learning Conference on Mobile Computing' held at Alagappa College of Technology, Anna University, Chennai during February 09-10, 2017.

Dr. N. Kishore Nath, FIE

Scientist-F & Deputy Project Director, Advanced Systems Laboratory, Dr. A.P.J. Abdul Kalam Missile Complex, Defence Research & Development Organisation (DRDO), Hyderabad, Telangana

Received 'Agni Award for Excellence in Self Reliance' from Secretary, Department of Defence R&D and Chairman, DRDO for the significant contributions made towards "Innovative Design and Development of Longest Monolithic Composite Rocket Motor Casing in the country for Stage-I Solid Rocket Motor of Agni-IV". The award was presented by Mr Arun Jaitely, Hon'ble Defence Minister, Government of India at DRDO Annual Awards Function on March 24, 2017 held at DRDO Bhawan, New Delhi.



Dr. C. K. Narayanappa, FIE

Associate Professor, Department of Medical Electronics, M. S. Ramaiah Institute of Technology, Bengaluru, Karnataka



❖ Chaired a session in International Conference on 'Recent Trends in Mechatronics, Electronics and Cloud Computing 2016' held at R. L. Jalappa Institute of Technology Doddaballapur on December 22, 2016.

❖ Participated as Chief Guest in the 'Samruddhi Utsava 2017' held at Sri Jagadguru Panditharadhyia Pre- University College, Hunasamaranahalli, Bengaluru on February 10, 2017.

❖ Participated as Jury Member in the Institution Organizing Committee of Innovation of Engineering Technology 2017, a National Level Paper presentation contest held at S. J. C. Institute of Technology, Chikkaballapur on March 18, 2017.

Mr. Sandip Doshi, MIE

Senior Manager Electrical Projects, Ducon Consultants Pvt. Ltd, Ahmedabad, Gujarat



Received 'Certificate of Achievement' for successful completion of Training Course for ISO 9001:2015 Lead Auditor (Quality Management Systems) at Ahmedabad on May 03, 2017.

Dr. A. K. Priya, AMIE

Associate Professor, Department of Civil Engineering, KPR Institute of Engineering and Technology, Coimbatore, Tamilnadu

❖ Attended a Workshop on the topic "Scientific Educational Practices" held at KPR Institute of Engineering and Technology, Coimbatore during April 22-24, 2017.

❖ Attended a Workshop on the topic "Make in India Awareness Workshop on Intellectual Property Rights" held at KPR Institute of Engineering and Technology at Coimbatore, during February 24-25, 2017.



Dr. Parameshachari B. D., MIE

Professor & Head, Department of Telecommunication Engineering, GSSS Institute of Engineering & Technology for Women, Mysuru, Karnataka



❖ Chaired session for 4th National Conference on 'Emerging Trends in Electronics and Communication 2017' held at BGS Institute of Technology, BG Nagar on May 18, 2017.

❖ Acted as the Organizing Chair for National Conference on 'Electronics, Signals and Communication 2017' organized by Departments of Telecommunication Engineering and Electronics and Communication Engineering, GSSS Institute of Engineering & Technology for Women Mysuru on May 29, 2017 in association with IETE Mysuru Centre and International Journal of Computer Applications.

❖ Participated in Global R & D Summit 2017 organized by Department of Science and Technology, Government of India at Bengaluru during April 06-07, 2017.

Members in the News

Mr. Giriraj R. Uttarwar, MIE

Manager, Main Plant Operations, GMR Chhattisgarh Energy Limited, Raipur, Chhattisgarh



Received 'Innovator of the Month (April 2017)' Award from GMR Chhattisgarh Energy Limited for his contribution towards identification and rectification of the wrong control loop for the pressure control valve restricting its opening at lower pressure even if it is designed to handle the low pressure superheated steam used for deaerator pegging saving LDO in auxiliary boiler worth 2.2 KI/cold start up of Supercritical Unit on May 07, 2017.

Dr. N. Venkatachalapathi, FIE

Professor & Head, Department of Mechanical Engineering, Annamacharya Institute of Technology & Sciences, (Autonomous), Rajampet, Andhra Pradesh

Received project fund Rs 30,000/- from The Institution of Engineers (India) under R & D Grant in Aid scheme for carrying out the research project titled "Design and Performance Analysis of Axial Flow Wind Turbine for Household Applications in Rural Areas" at under graduate level on December 20, 2016.



Dr. P. Booma Devi, AMIE

Professor & Head, Department of Electrical and Electronics Engineering, R.V.S. College of Engineering, Dindigul, Tamilnadu



Obtained Ph.D. on the topic "Reactive Power Cost Management in Wind Farms Using Meta-heuristic Search Algorithms" in the Faculty of Electrical Engineering from Anna University on May 19, 2017.

Mr. Soumyadeep Samonto, AMIE

Senior Lecturer, RPBM Jiaganj College of Engineering & Technology, Jiaganj, West Bengal

Received 'Best Teacher Award 2015' from RPBM Jiaganj College of Engineering & Technology on September 17, 2015.



Mr. Mohd Mujahid Khan, AMIE

Maulana Azad National Research Fellow, Jamia Millia Islamia Central University, New Delhi



Successfully completed the Short Term Course on 'Acoustics and Industrial Noise Control' organised by Indian Institute of Technology Kharagpur and assisted by Global Initiative of Academic Network (GIAN), Ministry of Human Resource Development, Government of India during May 15-19, 2017.

Prof. A. B. Chaudhuri, FIE

Former Chief Engineer, Crompton Greaves Ltd, Ahmednagar, Gujarat, Former Chairman, Ahmednagar Local Centre, IEI



Joined as "Adjunct Professor" in Electrical Engineering Department, Amrutvahini College of Engineering, Sangamner, Ahmednagar on January 30, 2017.

Mr. Avijit Mallick, AMIE

Senior Manager, Reliance Power Ltd. Sasan, Waidhan, Singrauli, Madhya Pradesh



Presented a paper on "Thermal Power Generations in India: The Challenges from Renewable Energy source Power Generation" at the 8th International Conference on 'Clean Coal Technologies Programme' organized by the IEA Clean Coal Centre at Sardinia, Italy during May 8-12, 2017.

Mr. Mohammad Atalique Zahir, MIE

Chartered Engineer (India), Construction Manager (Mechanical), Larsen and Toubro (L&T) Limited, Building and Factories, Doha, Qatar

Successfully completed the Courses on 'Certification in Operations Management' in May 2016 and 'Certification in Operations Management' in December 2015 arranged by L&T Qatar.



Publications by Members

Dr. E. Bhaskaran, MIE

Deputy Director, Industries and Commerce, Department of Industries and Commerce, Government of Tamilnadu, Chennai, Tamilnadu



Title of Paper: "The Quantitative Analysis of Chennai Automotive Industry Cluster", *Journal of The Institution of Engineers (India): Series C*, Vol. 97, Issue 3, July 2016, pp. 357-373.

Mr. Vineet Aniya, AMIE

Scientist, Process Development and Design Group, Chemical Engineering Division, CSIR-Indian Institute of Chemical Technology, Ministry of Science & Technology, Government of India, Hyderabad, Telangana

Title of Paper: "Measurement and Modeling of Solubility of para-tert-Butylbenzoic Acid in Pure and Mixed Organic Solvents at Different Temperatures", *Journal of Chemical & Engineering Data (American Chemical Society)*, Vol. 62 (4), March 13, 2017, pp. 1411-1421.



Dr. Parameshachari B. D., MIE

Professor & Head, Department of Telecommunication Engineering, GSSS Institute of Engineering & Technology for Women, Mysuru, Karnataka



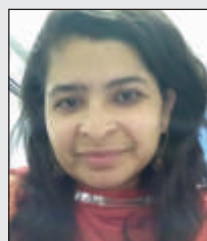
● **Title of Paper:** "Signal Conditioning of Audio Signal for Aircraft", *International Journal of Emerging Research in Management & Technology*, Vol. 6, Issue 5, May 2017, pp. 266-273.

● **Title of Paper:** "Cloud Computing: A Research Perspective on the Security Issues", *International Journal of Current Engineering and Scientific Research*, Vol. 4, Issue 4, April 2017, pp. 137-141.

● **Title of Paper:** "Security of Dissimilar Partial Encryption Methods", *Journal of Computer Programming and Multimedia*, Vol. 2, Issue 1, April 2017, pp. 1-19.

Mrs. Uma Kamboj, AMIE

AcSIR - CSIO PhD Scholar, CSIR - Central Scientific Instruments Organisation, Chandigarh



● **Title of Paper:** "Green Method for Determination of Phenolic Compounds in Mung Bean (*Vigna radiata* L.) based on Near Infrared Spectroscopy and Chemometrics", *International Journal of Food Science and Technology*, Vol. 51, Issue 12, December 2016, pp. 2520-2527.

Co-author(s): Maninder Meenu, Paramita Guha, Sunita Mishra

● **Title of Paper:** "Determination of Chemical Properties of Desi Chickpea Flour (Besan) Using Near Infrared Spectroscopy and Chemometrics", *International Journal of Tropical Agriculture*, Vol. 33 (4 III), October-December 2015, pp. 3467-3470.

Co-author(s): Paramita Guha, Sunita Mishra

● **Title of Paper:** "Rapid Determination of Phenolic Compounds of Mung Bean (Scientific Name by Near Infrared Spectroscopy)", *Proceedings of 4th International Conference on 'Pharmacogenomics, Proteomics in Drug Discovery, Development and Clinical Therapeutics 2016' organized by Chitkara College of Pharmacy, Chitkara University, Rajpura, Patiala, Punjab during April 13-14, 2016.*

Co-author(s): Maninder Meenu, Anupma Sharma, Paramita Guha, Sunita Mishra

Dr. Jitendra Sinha, MIE

Assistant Professor and Scientist, Soil & Water Engineering, Faculty of Agricultural Engineering, Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh



● **Title of Paper:** "A Comparison of Network Types in Artificial Neural Network based Rainfall Runoff Modelling", *International Journal of Applied Research on Information Technology and Computing*, Vol. 8, Issue 1, January-April, 2017, pp. 41-50.

● **Title of Paper:** "Investigation of Variability in Drainage Properties of Saline Soils at Village Mudlana in Sonapat District of Haryana", *Indian Journal of Soil Conservation*, Vol. 45, No. 1, April 2017, pp. 72-77.

Publications

by Members

Mr. A. Shivamanth, AMIE

Research Scholar, Sardar Vallabhbhai National Institute of Technology, Surat, Gujarat



Title of Paper: "A Review on Development of Seismic Hazard Analysis of India", *International Journal of Modern Trends in Engineering and Research*, Vol. 3, Issue 4, April 28-30, 2016, pp. 450-455.

Mr. Alok Gora, MIE

Assistant Professor, Department of Agricultural Engineering, C.P. College of Agriculture, Sardarkrushinagar Dantiwada Agricultural University, Sardarkrushinagar, Gujarat

Title of Paper: "Risk for Musculoskeletal Disorders and Discomfort among Farm Women-Case Studies" *International Journal of Agriculture Sciences*. Vol. 9, Issue 10, February 2017, pp.3980-3983.

Co-author(s): Surabhi Singh, Santosh Ahlawat, Sarita Sanwal, M.K. Chaudhary



Dr. Chandramohan V. P., MIE

Assistant Professor, Mechanical Engineering Department, National Institute of Technology Warangal, Telangana

• **Title of Paper:** "Numerical Simulation for Freeze Drying of Skimmed Milk with Moving Sublimation Front using Tri Diagonal Matrix Algorithm", *Journal of Applied Fluid Mechanics*, Vol. 10, No. 3, March 09, 2017, pp. 813-818.



Co-author(s): Razat Kumar Naik, Arun Sandeep G.

• **Title of Paper:** "Design, Development and Performance of Indirect Type Solar Dryer for Banana Drying", *Energy Procedia*, Elsevier, Vol. 109, March 2017, pp. 409-416.

Co-author(s): Abhay Lingayat, V. R. K. Raju

Ms. C. P. Indumathi, MIE

Assistant Professor, Department of Computer Science and Engineering, University College of Engineering (BIT Campus), Tiruchirappalli, Anna University, Tamilnadu



• **Title of Paper:** "Test Case Optimization using Fuzzy Decision Making", *Proceedings of National Conference on 'Communication and Computing Technologies 2016'* organized by Anna University, BIT campus at Tiruchirappalli during August 11 -12, 2016, pp.72-78.

Co-author: Dr. K. Selvamani

• **Title of Paper:** "Test Data Generation Using Bi-objective Function", *Proceedings of 'IEEE International Conference on 'Advanced Communication Control and Computing Technologies 2016'*, organized by Syed Ammal Engineering College, Ramanathapuram during May 25-27, 2016, pp.758-762.

Co-author: R. Lavanya Bai

• **Title of Paper:** "Web Database using ER diagram and State Transition Model", *Proceedings of IEEE International Conference on 'Communication and Signal Processing'* organized by Adhiparasakthi Engineering College, Melmaruvuthur during April 06-08, 2016, pp.1615-1620.

Co-author: Sabeena Begum

Dr. Lokesh Kumar Bansal, AMIE

Professor & Head, Department of Electronics & Communication Engineering, Jaipur Engineering College and Research Centre, Jaipur, Rajasthan

Title of Paper: "Performance of S-T Block Coded MC-CDMA System", *Proceedings of National Conference on 'Recent Technological Developments in Electronics and Electrical Engineering 2016'* organised by Jaipur Engineering College and Research Centre at Jaipur during August 12-13, 2016.



Publications

by Members

Dr. Dipti Prasad Mishra, MIE

Associate Professor, Department of Mechanical Engineering, Birla Institute of Technology, Mesra, Ranchi, Jharkhand



Title of Paper: "Effect of Winglet Location on Heat Transfer of a Fin-and-tube Heat Exchanger", *Applied Thermal Engineering*, Vol. 116, April 2017, pp. 528-540.

Co-author: S. K. Sarangi

Dr. R. Nagarajan, MIE

Professor, Department of Electrical and Electronics Engineering, Gnanamani College of Technology, Namakkal, Tamilnadu

- **Title of Paper:** "Transmission Line Fault Monitoring and Identification System by Using Internet of Things", *International Journal of Advanced Engineering Research and Science*, Vol. 4, Issue 4, April 2017, pp. 9-14.

Co-author(s): S. Suresh, L. Sakthivel, V. Logesh, C. Mohandass, G. Tamilselvan

- **Title of Paper:** "Implementation of PV - Based Boost Converter Using PI Controller with PSO Algorithm", *International Journal of Engineering and Computer Science*, Vol. 6, Issue 3, March 2017, pp. 20479-20484.

Co-author(s): R. Yuvaraj, V. Hemalatha, S. Logapriya, A. Mekala, S. Priyanga

- **Title of Paper:** "Implementation of Chopper Fed Speed Control of Separately Excited DC Motor Using PI Controller", *International Journal of Engineering And Computer Science*, Vol. 6, Issue 3, pp. 20629-20633, March, 2017.

Co-author(s): S. Sathish Kumar, S. Deepika, G. Keerthana, J. K. Kiruthika, R. Nandhini



Mr. Pradosh Kumar Adhvaryu, FIE

Associate Professor, Electrical Engineering Department, Bankura Unnayani Institute of Engineering, Bankura, West Bengal



Title of Paper: "Dynamic Optimal Power Flow of Combined Heat and Power System with Valve Point Effect Using Krill Herd Algorithm", *Energy (Elsevier)*, Vol. 127, May 15, 2017, pp. 756-767.

Mr. Jayan V., MIE

Senior Engineer, Language Technology Centre, Centre for Development of Advanced Computing, Thiruvananthapuram, Kerala

Title of Paper: "Transliteration from English to Indian Languages based on Angla MT Machine Translation Perspective", *International Journal of Advanced Research Trends in Engineering and Technology*, Vol. 4, Special Issue 6, April 2017, pp. 136-143.



He has received 'Best Paper Award' for the same paper at National Conference on 'Recent Advances in Computer Science, Applied Electronics and Power Engineering' organized by Mohandas College of Engineering & Technology during April 19-20, 2017.

Dr. Sushovan Chatterjee, MIE

Associate Professor and Head, Department of Mechanical Engineering, Cooch Behar Government Engineering College (Department of Higher Education, Government of West Bengal), Cooch Behar, West Bengal

- **Title of Paper:** "Extraction of a Cardanol based Liquid Bio-fuel From Waste Natural Resource and Decarboxylation using a Silver based Catalyst", *Renewable and Sustainable Energy Reviews*, Vol. 72, May 2017, pp. 560-564.



- **Title of Paper:** "Computational Fluid Dynamic Analysis of the Exhaust Gas Flow through Absorptive and Reactive Mufflers: Some Case Studies", *Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering*, December 19, 2016.

Mr. Mohammad Adnan Farooq, AMIE

Assistant Engineer, Civil, Public Works Department, (R&B), Government of Jammu & Kashmir



Title of Paper: "Use of Reclaimed Asphalt Pavement (RAP) in Warm Mix Asphalt (WMA) Pavements: A Review", *Innovative Infrastructure Solutions*, Springer, published online, Vol. 2 (10), April 2017.

Co-author: Mir M. S.

Publications

by Members

Mr. Satish Chand Agarwal, FIE

Former President, Associate Stone Industries (Kotah) Ltd., Kota, Rajasthan



Title of Paper: "Developing Kotah Stone Abandoned Quarries and Waste Dumps as Environmental Project through MGNREGA- Act & Scheme", *Proceedings of International Conference on 'NexGen Technologies for Mining and Fuel Industries' organized by CSIR- Central Institute of Mining and Fuel Research, Dhanbad, Jharkhand at Vigyan Bhawan, New Delhi during February 15-17, 2017, Vol. II, pp. 779-784.*

Mr. Chodagam Srinivas, AMIE

Assistant Professor, MVR College of Engineering & Technology, Vijayawada, Andhra Pradesh

Title of Paper: "Intensification of Optimal Power Scheduling & Fuel Cost Minimization Inspired by Adaptive Differential Evaluation Algorithm", *Proceedings of 2017 Second IEEE International Conference on 'Electrical, Computer and Communication Technologies' organized by SVS College of Engineering, Coimbatore, February 22-24, 2017, pp. 91-95.*



Mr. Adinarayanane Ramamurthy, MIE

Junior Town Planner, PPA-Town & Country Planning Organization, Government of Puducherry, Puducherry

● **Title of Paper:** "A Model of Eco-welfare Planning: Sustainable Urban Development of Chennai Metropolitan City, India", *International Journal of Scientific & Engineering Research, Vol. 7, Issue 9, September 2016, pp. 179-203.*



Co-author: Monsingh D. Devadas

● **Title of Paper:** "Planning for Energy Efficient Sustainable Development of Chennai Metropolitan City, India: A Dynamic Simulation Modeling Approach", *International Journal of Advanced Engineering Technology, Vol. VII, Issue III, July-September 2016, pp. 146-157.*

Co-author: Monsingh D. Devadas

Mr. Giridhar Maji, MIE

Lecturer, Electrical Engineering, Asansol Polytechnic, Department of Technical Education and Training, West Bengal



● **Title of Paper:** "A Conceptual Model to Implement Smart Bus System using Internet of Things (IoT)", *Proceedings of 32nd International Conference on 'Computers and Their Applications 2017', organized by International Society for Computers and Their Applications at Honolulu, Hawaii, USA during March 20-22, 2017.*

Co-author(s): Sharmistha Mandal, Soumya Sen, Narayan C. Debnath

● **Title of Paper:** "Designing Combo Recharge Plans for Telecom Subscribers using Item Set Mining Technique", *Proceedings of 18th IEEE International Conferences on 'Industrial Technology 2017', organized by IEEE Industrial Electronics Society at Toronto, Canada during March 22-25, 2017.*

Co-author(s): Sharmistha Mandal, Souvik Bhattacharya, Soumya Sen

● **Title of Paper:** "A Data Warehouse Based Modelling Technique for Stock Market Analysis", *Proceedings of International Conference on 'Communication, Management and Information Technology 2017' organized by the Universal Society for Applied Research (USAR) at Warsaw, Poland during April 3-5, 2017.*

Co-author(s): Debomita Mondal, Soumya Sen, Takaaki Goto, Narayan C. Debnath

Dr. T. T. M. Kannan, AMIE

Associate Professor, Department of Mechanical Engineering, Indra Ganesan College of Engineering, Trichy, Tamilnadu

● **Title of Paper:** "Design Optimization of Drilling Process Parameters of EN 24 Steel Plates using DOE" *Transactions on Innovations in Science and Technology, Vol. 1, Issue 3, December 04, 2016, pp. 60-64.*

● **Title of Paper:** "Evaluation of Axial Shortening of Friction Welded Joints of EN 24 and ETP Copper Cylindrical Rounds using DOE Concept", *Journal of Manufacturing Engineering, Vol. 12, Issue 1, March 22, 2017, pp. 33-36.*



Publications

by Members

Dr. Ch Ramesh Naidu, MIE

Chartered Engineer (India), Professor, Civil Engineering Department, Gayatri Vidhya Parishad College of Engineering (A), Visakhapatnam, Andhra Pradesh



Title of Paper: "Storm Water Modeling and Flood Disaster Management Using Open Source Softwares", *GIS Resources Magazine*, Issue 1, March 2017, pp. 11-14.

Dr. N. Rajesh Jesudoss Hynes, MIE

Associate Professor, Department of Mechanical Engineering, Mepco Schlenk Engineering College, Sivakasi, Karnataka

Title of Paper: "Investigate the Influence of Bonding Temperature in Transient Liquid Phase Bonding of SiC and Copper", *Ceramics International* (Elsevier), Vol. 43, Issue 10, July 2017, pp. 7762-7767.

Co-author(s): P. Shenbaga Velu, R. Kumar, M. Karthick Raja



Mr. Darshan Jayeshbhai Mehta, AMIE

Assistant Professor, Department of Civil Engineering, Dr. S & S. S. Ghandhy Government Engineering College, Surat, Gujarat

● **Title of Paper:** "Hydrodynamic Stimulation of Ambica River Bed Development Using HEC-RAS", *Proceedings of 2nd National Conference on 'Recent Research and Development in Core Disciplines of Engineering'* organized by Electrical, Mechanical & Civil Engineering Department, Vadodara Institute of Engineering, Vadodara, April 21-22, 2017.

Co-author: Laxman Pansuriya



● **Title of Paper:** "Sustainable Design Proposal for the Verakui Village under the Vishwakarma Yagna", *Proceedings of 2nd National Conference on 'Recent Research and Development in Core Disciplines of Engineering'*, organized by Electrical, Mechanical & Civil Engineering Department, Vadodara Institute of Engineering, Vadodara, April 21-22, 2017.

Co-author(s): Patel Harshad, Savani Dharam, Ramoliya Tirath

Mr. Ashish Kumar Khandelwal, MIE

Assistant Professor, Mechanical Engineering Department, Chouksey Engineering College, Bilaspur, Chhattisgarh



Title of Paper: "A Review Paper on Variation in Heat Transfer due to Change in Water Wall Tube in Supercritical Boiler", *Proceedings of 3rd International Conference on 'Advances in Steel, Power and Construction Technology'* organized by O. P. Jindal University at Raipur during March 22-23, 2017.

Co-author(s): Dr. G. K. Agrawal, Dr. S. Nagpal

Dr. C. K. Narayanappa, FIE

Associate Professor, Department of Medical Electronics, M. S. Ramaiah Institute of Technology, Bengaluru, Karnataka

Title of Paper: "Semi-automated Analysis of Tear in Rotator Cuff Ultrasound images", *International Journal of Innovative Trends in Engineering*, Vol. 25, No. 01, January 2017, pp. 12-15.

Co-author(s): Chetana N. Javali, Sanjana U. Shankar, Venkatapavani Pallavi Punugu



Mr. E. Udayakumar, AMIE

Assistant Professor, Department of Electronics and Communication Engineering, Kalaignarkaranidhi Institute of Technology, Coimbatore (KIT), Tamilnadu



● **Title of Paper:** "An Unified Reeb Analysis for Cortical Surface Reconstruction of MRI Images", *Biomedical and Pharmacology Journal, Oriental Scientific Publishing Company*, Vol. 10, Issue 2, June 2017, pp. 1-7.

● **Title of Paper:** "TB Screening using SVM and CBC Techniques", *Current Pediatric Research, Allied Academies*, Vol. 21, Issue 2, May 2017, pp. 338-342.

● **Title of Paper:** "Automatic Detection of Diabetic Retinopathy through Optic Disc using Morphological Methods", *Asian Journal of Pharmaceutical and Clinical Research, Innovare Academic Sciences*, Vol 10, Issue 4, pp. 28-31, April 2017.

Publications

by Members

Mr. Amit Prakash, AMIE

Senior Technical Officer, Advanced Materials & Processes Division, CSIR - National Metallurgical Laboratory, Jamshedpur, Jharkhand



- **Title of Paper:** "The Effect of Residual Stress on Fatigue Crack Growth Rate in AISI 304LN Stainless Steel", *Materials Today: Proceedings*, Vol. 4, April 28, 2017, pp. 677-686.

Co-author(s): H. N. Bar, S. Sivaprasad, S. Tarafder, J. P. Dwivedi

- **Title of Paper:** "Springback Analysis of I Sectioned Bar of Linear Work- Hardening Materials under Torsional Loading", *Materials Today: Proceedings*, Vol. 4, April 28, 2017, pp. 2373-2383.

Co-author(s): Radha Krishna Lal, Vikas Kumar Choubey, J. P. Dwivedi, V.P. Singh

Dr. A. K. Priya, AMIE

Associate Professor, Department of Civil Engineering, KPR Institute of Engineering and Technology, Coimbatore, Tamilnadu

Title of Paper: (a) "A Potential Biosorption Treatment in Landfill Leachate Treatment using Biomaterial", (b) "Potential of Pupa Waste Powder as Biosorbent for Pollutant Removal in Domestic Wastewater" and (c) "Production of Methane and Carbon Di Oxide from Slaughter Waste", *Proceedings of 2nd International Conference on 'Sustainable Practice in Civil Engineering' organized by KPR Institute of Engineering and Technology, Coimbatore during April 10-11, 2017.*

Co-author(s): (a) S. Shanoffar Farveen, S. Niranjani Devi, K. Rubini, R. Subhashini



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Workshop Superintendent, University Polytechnic, Jamia Millia Islamia, New Delhi



- **Title of Paper:** "Effect of Friction Stir welding on the Tensile Properties of AA6063 under Different Conditions", *International Journal of Engineering Transactions A: Basics*, Vol. 30, No. 4, April 2017, pp.597-603.

Co-author(s): R. Singh, S. P. Tewari

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- **Title of Paper:** "A New Research Methodology for Preprocessing of Documents: Information Recovery Systems", *International Journal of Computer Science and Information Security*, Vol. 15, No. 4, April 2017, pp. 118-125.

Co-author(s): Shivani Tyagi, Dinesh Yadav, Sarika Khandelwal

- **Title of Paper:** "Comparative Study of the Random Access Protocols Slotted ALOHA/CDMA Mode and CPCH/W-CDMA Mode", *International Journal of Computer Science and Technology*, Vol. 8 No. 2, April-June 2017, pp. 32-35.

Co-author: Kapil Raj Dhaybhai

Dr. Narendra D. Londhe, MIE

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- **Title of Paper:** "A Spoof Resistant Multibiometric System Based on the Physiological and Behavioral Characteristics of Fingerprint", *Pattern Recognition*, Vol. 62, February 28, 2017, pp. 214-224.

Co-author(s): Ishan Bhardwaj, Sunil K. Koppurapu



- **Title of Paper:** "Well-Balanced System for Coronary Calcium Detection and Volume Measurement in a Low Resolution Intravascular Ultrasound Videos", *Computers in Biology and Medicine*, Vol. 84, May 01, 2017, pp. 168-181.

Co-author(s): Sumit K. Banchhor, Tadashi Araki, Luca Saba, Petia Radeva, John R. Laird, Jasjit S. Suri

- **Title of Paper:** "Performance Prediction of Adaptive filters for EEG signal", *IET Science, Measurement & Technology*, published online, January 20, 2017.

Co-author(s): Mitul K. Ahirwal, Anil Kumar, G. K. Singh

Publications

by Members

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Title of Paper: "FIS Incorporated Microcontroller based MCB", *Proceedings of IEEE International Conference on 'Intelligence Control, Power and Instrumentation' organized by RCC Institute of Information Technology at Kolkata during October 21-23, 2016, pp. 132-136.*

Co-author(s): S. Pal, S. Banerjee



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• **Title of Paper:** (a) "Effect of slicing Methods on Mushroom Drying" and (b) "Advances in Smart Packaging/ Intelligent Packaging Technologies and their Applications in Processed Foods", *Proceedings of National Conference on 'Interventions of Climatic Change in Sustainable Development of Agriculture,*

Food and Nutrition Security and its Amelioration' organized by Society for World Environment Food and Technology, New Delhi at Swami Vivekanand Subharti University, Meerut during March 24-25, 2017.

Co-author: (a) and (b) Sujayasree O. J.

• **Title of Paper:** "Packaging Studies on Sliced Mushroom", *Proceedings of 51st Annual Convention of 'ISAE & National Symposium' organized by Indian Society of Agricultural Engineers at Chaudhary Charan Singh Hisar Agricultural University at Hisar, February 16-18, 2017.*

Co-author(s): Sujayasree O.J., Senthil Kumaran

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Title of Paper: "Secure Data Transmission through Color Images using PHLSB Method", *Indian Journal of Science and Technology, Vol. 9 (S1), December 2016, pp. 1-7.*

Co-author: Dr. S. A. K. Jilani

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• **Title of Paper:** "Design and Development of Sustainable Wastewater Treatment Plant for Sustainable Development Management of Wastewater in Context to Indian Scenario", *Journal of Economics World, Vol.5, No.5, September-October 2017, pp.486-492.*

• **Title of Paper:** "Design and Development of Advanced Solid and Bio-Solid Treatment Process for Sustainable Development", *Proceedings of Fourth International Symposium on 'Energy Efficiency and Energy Related Materials 2017' organized by Gebze Technical University at Lykia, Oludeniz Mugl, Turkey, April 22-26, 2017.*

• **Title of Paper:** "Strategic Environmental Assessment (SEA) Process for the Higher Education Institutions (HEIs) to Achieve Research and Academic Excellence", *Journal of Modern Education Review, December 2016, Vol.6, No. 12, pp. 958-970.*

Mr. Chitrabhanu Ray, FIE

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Title of Paper: "Appropriate Technology to Resolve Post Harvest Storage Problem of Potatoes", *Proceedings of 'International Conference on Emerging technologies in Agricultural Engineering', organized by the Agricultural & Food Engineering Department, Indian Institute of Technology Kharagpur, West Bengal during December 27-30, 2016.*

Co-author: Souradeep Ray



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- **Title of Paper:** "Experimental Study on Collection Efficiency of Solar Cooking System", *International Research Journal of Engineering and Technology*, Vol. 4, Issue 2, February 2017, pp. 1564-1568.

Co-author(s): Pushkaraj D. Karande, Basgonda K. Sonage

- **Title of Paper:** "Status of Groundwater Contamination and Health Hazards Due to Arsenic and Fluorides: A Review", *International Journal of Water Resources*, Vol. 3, Issue 1, March 2017, pp. 1-4.

Mr. Prabhash Nanda, MIE

Research Scholar, School of Electrical Engineering, KIIT University, Bhubaneswar, Odisha

Title of Paper: "Phasor Estimation and Modelling Techniques of PMU- A Review", *International Conference on 'Recent Advancement in Air-conditioning and Refrigeration 2016' organized by Department of Mechanical Engineering, C. V. Raman College of Engineering, Bhubaneswar in association with Elsevier at Bhubaneswar during November 10-12, 2016. Proceedings published in Elsevier's Energy Procedia, March 2017, Vol. 109, pp. 64-77.*



Co-author(s): Dr. C. K. Panigrahi, Prof. A. B. Dasgupta

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Chartered Engineer (India), Associate Professor & Head, Aeronautical Engineering, Mount Zion College of Engineering, Pathanamthitta, Kerala



- **Title of Paper:** "Measures for Enhancing Productivity and Efficiency of Small and Medium Scale Industry by Lean Implementation", *Indian Journal of Science and Technology*, Vol. 10, Issue 8, February 2017, pp. 1-5.

Co-author: Dr. S. Prabakaran

Dr. Sudhansu Sekhar Sahoo, MIE

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- **Title of Paper:** "Experimental Investigation of Convective Heat Transfer in an Inserted Coiled Tube Type Three Fluid Heat Exchanger", *Applied Thermal Engineering*, Vol. 117, May 05, 2017, pp. 297-307.

Co-author(s): T. Mohapatra, B. N. Padhi

- **Title of Paper:** "Development of Customized Formulae for Feasibility and Break-even Analysis of Domestic Solar Water Heater", *International Journal of Renewable Energy Research*, Vol. 7 (1), March 22, 2017, pp. 386-398.

Co-author(s): A. Rout, S. Thomas, S. M. Varghese

- **Title of Paper:** "Performance analysis of three Fluid Heat Exchanger Used in Solar Flat Plate Collector System", *Energy Procedia*, Vol. 109, March 2017, pp. 322-330.

Co-author(s): T. Mohapatra, B. N. Padhy

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Title of Paper: "Generalized Wavelet Neural Networks for Evapotranspiration Modeling in India", *ISH Journal of Hydraulic Engineering*, published online, May 20, 2017.



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- **Title of Paper:** "Scope of Biogas Generation from Kitchen Wastes and its Economical Adoptability", *International Journal of 'Latest Engineering and Management Research'*, Vol. 2, Issue 5, May 2017, pp. 49-53.

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We are happy to share the news that one of our five journals, **Journal of The Institution of Engineers (India) - Series C** has been included under the SCOPUS indexing. Scopus owned by Elsevier, is a bibliographic database containing abstracts and citations for academic journal articles. It covers nearly 22,000 titles from over 5,000 publishers, of which 20,000 are peer-reviewed journals in the scientific, technical, medical, and social sciences. With this, our Journal has become a part of the elite group of international journals.

book review

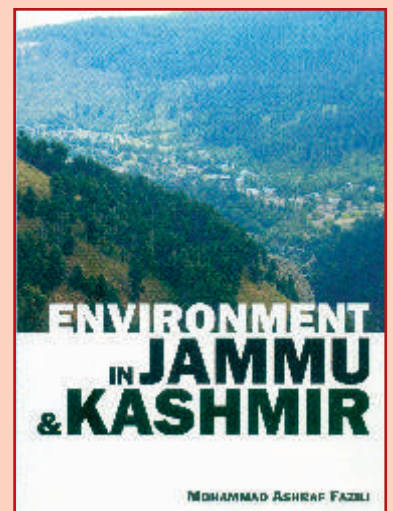


Mr. Mohammad Ashraf Fazili, FIE

Chairman, Jammu & Kashmir State Centre
Council Member, IEI

Environment in Jammu & Kashmir

This book comprises a collection of burning topics that caught the attention of various forums particularly. It highlights the necessity of protection of the elixir of life i.e. water a vital element for the sustenance of life on this planet, besides other environment internet issues like solid waste-management, converging technologies; from telegraph to sustainable energy resources, non- conventional energy, green cities WTO & engineering profession; Engineers role; Deserts & densification, Snow Tsunami in Kashmir, Disaster mitigation etc.



These subjects reflect a useful data that shall go a long-way in planning future course of action both at individual and collective level. This effort may serve as a safeguard in preservation of the interest in the areas of everyone's concern i.e. the environment on which depends the health of present generation and that of the future progeny.

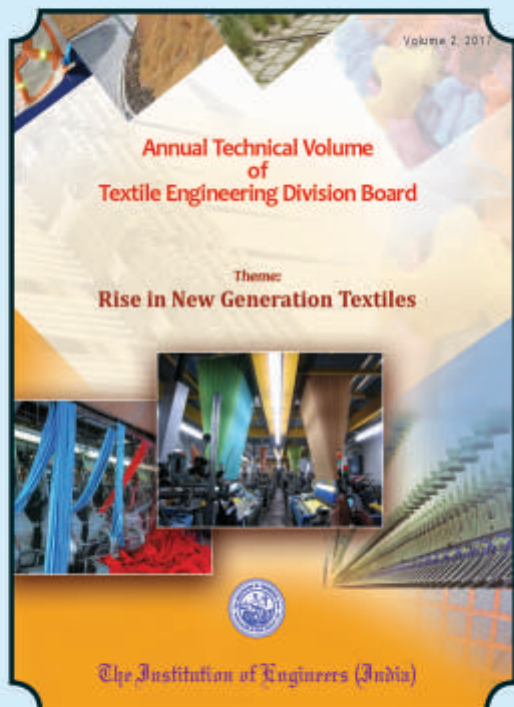
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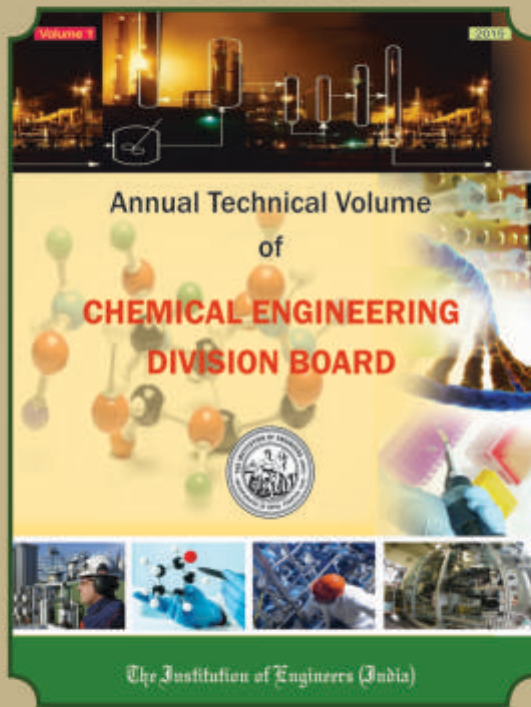
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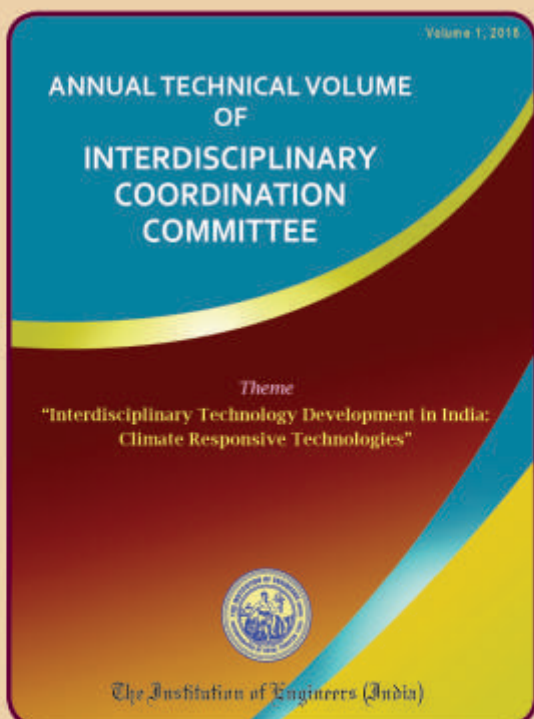
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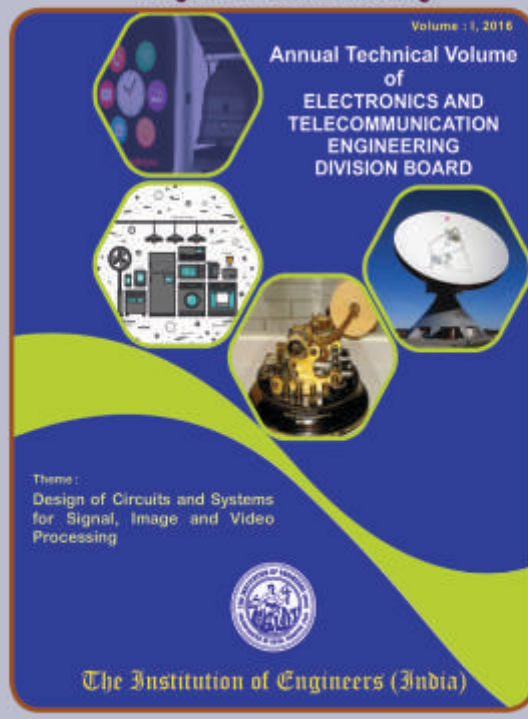
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Members' Speak

I am delighted to see the IEI Epitome newsletter covers Members' achievement, latest publications & book review etc. I would also like to congratulate the highly professional team for bringing out the IEI Epitome newsletter, which really gives a platform to disseminate and update the important information among the members and readers. I personally thank the IEI Epitome for this good initiative. I am proud to be a Member of The Institution of Engineers (India) to share the knowledge on innovation and technology.

Mr. Amitav Routray, MIE
Chartered Engineer (India)

Chief Engineer, Fortune Hotels, (Member of ITC's Hotel Group)

IEI Epitome is a great platform for researchers, engineers and academicians to know the latest achievements of the members.

Mr. A. Shivamant, AMIE

Research Scholar, Sardar Vallabhbhai National Institute of Technology, Surat, Gujarat

It is highly appreciable that IEI has started online news letter periodically. It will make active and connect all members of IEI. I am thankful to IEI for this great initiative.

Dr. Lokesh Kumar Bansal, AMIE

*Professor & Head
Department of Electronics & Communication Engineering
Jaipur Engineering College and Research Centre, Rajasthan*

I extend heartfelt appreciations to one and all involved in the process. I am sure with these sustained efforts IEI will reach more sections of society and contribute to nation building process besides improving of self esteem and pride among members. Congratulation on bringing out the online version of IEI Epitome. It is really a very good forum to share and know about fellow members who have done wonders and have been recognized.

Ms. Poonam Rathore, AMIE

Assistant Engineer - Robotics Technology, Code Global, Delhi

I feel indeed a great pleasure to be a part of IEI. The intention of Epitome is to provide an insight and reiterate the achievements in the field of research and academics by the members of the Institution. I wish all the members to scale greater heights.

Dr. C. K. Narayanappa, FIE

*Associate Professor, Department of Medical Electronics,
M. S. Ramaiah Institute of Technology, Bengaluru, Karnataka*

I am indeed glad to receive the IEI Epitome of the recent issue. I appreciate all your efforts being taken to unite the technocrats of the Nation under the umbrella of IEI.

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