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**Mr. Kshitij Verma, AMIE**

*Deputy Executive Engineer, Gujarat Water Supply & Sewerage Board, Surat, Gujarat*



Attended Central Public Health & Environmental Engineering Organisation, Ministry of Urban Development, Government of India sponsored Refresher Course on 'Corrosion Control' held at Metropolitan Water Supply & Sewerage Board, Chennai from November 22-28, 2018.

**Mr. N Senthil Kumar, MIE**

*Chief Operating Officer & Partner, Global Lab and Consultancy Services, Salem*



- Elected as Joint Secretary for Indian Chamber of Commerce and Industry, Salem for the 2018-2020 Session
- Delivered Lecture on 'Advanced Air Pollution Monitoring and Modelling Techniques' at AICTE -

ISTE sponsored Short-term Training program on 'Recent Advances in Industrial Pollution Control' organised by Department of Chemical Engineering, SRM Institute of Science & Technology, Chennai on November 13, 2018.

**Dr. U Saravanakumar, MIE**

*Associate Professor, Department of Electronics & Communication Engineering, Veltech Rangarajan Dr S R&D Institute of Science and Technology, Avadi, Chennai*



Appointed as Editor, American Journal of Electrical and Computer, Science Publishing Group, USA.

**Mr. Avinash Shirode, FIE**

*Former ISRO Engineer, NSS-Space Ambassador and President, National Space Society, USA at Nashik Chapter*



Designated as 'Space Ambassador' by USA based International Organization, National Space Society and a Certified Space Ambassador from India organized 'World Space Week' during October 4-10, 2018.

**Dr. Amar Kumar Das, MIE**

*Assistant Professor, Department of Mechanical Engineering, Gandhi Institute for Technology, Bhubaneswar*

Honoured by ISTE as 'Best Faculty Award (Engineering)' for the year 2018 in 21st State Level Annual Faculty Convention of Odisha Section during November 10-11, 2018.



**Mr. Krishna Nirmalya Sen, FIE**

*Head, Environment, Health & Safety, Metallurgical and Material Handling, L&T Construction*

Awarded Doctor of Philosophy from University of Petroleum & Energy Studies, Dehradun on the thesis titled, 'A Study on Accident Prevention and Control Measures at Construction Works through Implementation of Engineering Interventions Programmes' at Dehradun on November 24, 2018.



**Dr. Sachin Ganpatrao Ghalme, MIE**

*Associate Professor, Department of Mechanical Engineering, Sandip Institute of Technology and Research Center, Nashik, Maharashtra*



Conferred with the Award, 'IARDO Distinguished Educator 2018', Honoured by International Association of Research and Development Organization, New Delhi on October 28, 2018 at Goa.

**Dr. M P Sukumaran Nair, FIE**

*Former Secretary to the Chief Minister & Chairman, Public Sector Restructuring and Audit Board, Government of Kerala and Council Members, The Institution of Engineers (India)*

Delivered a Lecture on 'NG Pipeline Disputes Addressing Public Concerns' at Global LNG India 2018 Meet held in New Delhi during November 29-30, 2018.



**Prof. P Booma Devi, AMIE**

*Head, Department of Electrical and Electronics Engineering, SSM College of Engineering & Technology, Dindigul.*



Selected as Member of Editorial Board for 'International Journal of Research and Innovation in Applied Science' from July 2018 to June 2019.

**Prof. CHVKNSN Moorthy, FIE**

*Department of Mechanical Engineering, Institute of Aeronautical Engineering (Autonomous), Hyderabad*

Appointed as Principal Investigator for the project titled, 'India's Role on Carbon Nano Tubes in Global Research Output : A Technical Forecast' sanctioned by Department of Science and Technology, Government of India amounting Rs. 26,91,260/- under the Scheme of National Science and Technology Management Information System.



**Mr Jayarajan P, FIE**

*Department of Civil Engineering, M Dasan Institute of Technology, Calicut*

Has been appointed as one of the Reviewers in 'American Journal of Civil Engineering', Science Publishing Group, New York, USA.



**Mr. Amrendra Kumar Srivastav, AMIE**

*Deputy Engineer, Bharat Heavy Electricals Limited, PS-PMG, New Delhi*

Received Award, 'Best Employee' of the year for his excellent performance in the year 2018 given by Executive Director, PS-PMG New Delhi.



**Prof. B Paulchamy, MIE**

*Head, Department of Electronics & Communication Engineering, Hindustan Institute of Technology, Coimbatore*



Received 'Shri P K Das Memorial Best Faculty Award' among five States namely, Tamilnadu, Kerala, Andra Pradesh, Telangana, Karnataka & Puduchery from Nehru College of Educational and Charitable.

**Ms Ningthoujam Monika Chanu, AMIE**

*The Institution of Engineers (India), Manipur State Centre*

Awarded Doctor of Philosophy in Earthquake Engineering for the thesis titled, 'Building Age, Construction Quality and Maintenance Condition on Rapid Visual Screening for Seismic Vulnerability Assessment' by National Institute of Technology, Durgapur, West Bengal.



**Mr Santhosh K V, AMIE**

*Vice President (Operations), Essae Digitronics Pvt. Ltd., Bangalore*



Received Award, 'Performing Leader of the Year 2018 -19'.

**Mr. Swapnil S Desai, MIE**

*Junior Engineer (Mechanical), Department of Public Health Engineering, Navi Mumbai Municipal Corporation*

Attended Fourth National Conference on 'Safety & Energy Conservation' as a Performance Indicator for Business Excellence by the Society of Power and Energy Professional held at Navi Mumbai during December 7-8, 2018.



**Notification for R&D Grant-in-Aid**

To promote appropriate technology, assist in building up design & research talents and, most importantly, to help in nurturing potential R&D venture amongst engineering students pursuing Diploma/UG/PG/PhD courses, The Institution of Engineers (India) had instituted the R&D Grant-in-Aid program way back in 2001. Like every year, the Institution invites applications for the session 2017-2018 for funding industry-oriented R&D projects and research initiatives aimed at improving the life-style of common people from engineering students pursuing Diploma/UG/PG/Ph. D courses. The application form and guidelines are available in our website <https://www.ieindia.org>. The projects should be carried out under the guidance of faculty members who are Corporate Members (AMIE/MIE/FIE) of IEI. Membership criteria for students are as follows:

Project Category	Student/Applicant Membership
Diploma	Not mandatory, Membership of Students' Chapter is desirable
UG (B.E/B.Tech/AMIE/Equivalent)	Should be 'Student Member' (SMIE)
PG (M.E/M.Tech/Equivalent)	Should be 'Corporate Member'
PhD	Should be 'Corporate Member'

The soft copy of the duly filled-up applications (in editable format), as per the given proforma, should be sent through email to [research@ieindia.org](mailto:research@ieindia.org) and one printed copy of the same should reach the following address:

**Director (Technical)**

**The Institution of Engineers (India), 8 Gokhale Road, Kolkata 700 020**

Applications received in format other than that available on our website will not be accepted. Application should be forwarded through the Guide, Head of the Department or Head of the Institution. Please note that preference will be given to project proposals received from Institutions who are members of The Institution of Engineers (India). Kindly go through the guidelines (visit link [https://www.ieindia.org/PDF\\_IMAGES/R&D/General%20Guidelines.pdf](https://www.ieindia.org/PDF_IMAGES/R&D/General%20Guidelines.pdf)) carefully before filling up the application.

The grant is not intended for the faculty members who have access to other avenues of research funding. Proposals received will be scrutinized and the recipients of R&D Grant will be informed accordingly.

# Publications by Members

**Ms Indu Rejeesh, AMIE**

*Research Scholar, Department of Electronics and Communication Engineering, Hindustan University, Chennai*



**Title of Paper:** 'Identity and Access Management in Cloud Environment: Mechanisms and Challenges', *International Journal Engineering Science and Technology, Elsevier, Vol.21, Issue 4, August 2018, pp. 574-588.*

**Dr. U Saravanakumar, MIE**

*Associate Professor, Department of Electronics & Communication Engineering, Veltech Rangarajan Dr S R & D Institute of Science and Technology, Chennai*

**Title of Papers:**

- 'A CAN Protocol based Driver Assistance System for Safety Manner', Proceeding of International Conference on 'Intelligent Data Communication Technologies and Internet of Things' organized by CONFYY, Coimbatore, August 7-8, 2018.



Co-authors: Rahul Vasant Nale, Shubham Srivastava and Aditya Kumar Sinha

- 'Low-Power High-Speed Hybrid Multiplier Architectures for Image Processing Applications', *Proceeding of International Conference on 'ISMAC-CVB in Computational Vision and Bio-Engineering'*, Coimbatore,

**Mr. Pritesh Jain, AMIE**

*Team Lead – CAE, Tata Technologies*



**Title of Papers :**

- 'Structural Optimization of Rollage using Finite Element Analysis and Design of Experiments Approach', *SAE Technical Paper 2018*, [DOI:10.4271/2018-01-5014].
- 'Study of Drop Test Parameters Using Design of Experiments' presented at *15th International LS-DYNA Users Conference*, Michigan, July 10-12, 2018.

**Mr. Anup Srivastava, FIE**

*Senior Hull & Systems Engineer, Chevron Asia Pacific Shipping Pte. Ltd.*



**Title of Paper:** 'FPSO Ballast System Design-A Concept', *International Journal of Advanced Research in Engineering and Technology*, Vol. 9, No. 5, September-October 2018, pp. 95–107.

**Mr. Mohd Zeeshan, AMIE**

*Research Scholar, Department of Mechanical Engineering, National Institute of Technology, Silchar*



**Title of Paper:** 'A CFD Analysis to Compare the Performances of Fin and Tube Heat Exchangers having different Augmentation Techniques', *International Journal of Applied Engineering Research*, Vol.13, No.6, 2018, pp. 327-333.

**Mr. Krishna Lok Singh, MIE**

*Principal Scientist, CSIR-National Aerospace Laboratories, Bengaluru*

**Title of Paper:** 'An Optimum Stringer for Straight and Curved Stiffened Panels using X-FEM Techniques', *International Journal of Structural Mechanics and Finite Elements*, Vol. 4, No. 2, 2018, pp. 1-11.





# Publications by Members

## Mr. Sanjay Kumar Srivastava, MIE

Research Scholar, Department of Mechanical Engineering, Shephard Institute of Engineering & Technology, Sam Higginbottom University of Agriculture, Technology and Sciences, Allahabad, Uttar Pradesh



**Title of Paper:** 'Performance of Solar Cooker with Two Different Pot Materials', *International Journal of Mechanical Engineering and Technology*, Vol. 9, No.10, October 2018, pp.175-180.

Co-Authors: Dileep Varshney and Ajeet Kumar Rai

## Mr. Jigesh Mehta, AMIE

Assistant Professor, Department of Chemical Engineering, School of Engineering, P P Savani University, Dhamdod, Surat, Gujarat



**Title of Paper:** 'Assisted Nanofiltration of Reactive Yellow Dye Solution using Flow Reversal and Pressure Pulsation,' *Proceeding of Sixth IWA - Regional Membrane Technology Conference*, held at Maharaja Sahayajirao University of Technology during December 10-12, 2018.

## Prof. P Booma Devi, AMIE

Head, Department of Electrical and Electronics Engineering, SSM College of Engineering & Technology, Dindigul



**Title of Paper :** 'Four Switch Three Phase (FSTP) Sepic Inverter using PIC Controller', *International Journal for Science and Advance Research in Technology*, Vol.4, No.9, September 2018, pp.93-100.

## Mr. Sarath I P, AMIE

Second Year, Construction Engineering and Management, RVS Technical Campus, Coimbatore



**Title of Paper :** 'Risk Management in Construction : A Literature Review', *International Research Journal of Engineering and Technology*, Vol. 5, No.11, November 2018.

Co-author: M Sivagami

## Dr Sudhansu S Sahoo, MIE

Assistant Professor, Department of Mechanical Engineering, College of Engineering and Technology, Bhubaneswar



**Title of Paper :** 'Performance Analysis of Receiver of Parabolic Trough Solar Collector : Effect of Selective Coating, Vacuum and Semi-transparent Glass Cover', *International Journal of Energy Research, Wiley*, Vol. 42, No. 13, pp.4235-4249.

## Dr. R Kathiravan, FIE

Kumbakonam, Thanjavur District, Tamilnadu



**Title of Paper:** 'Evaluation of Azadirachta Indica Seed / Spent Camellia Sinensis Bio-filler based Jute Fabrics Epoxy Composites: Experimental and Numerical Studies', *Journal of Industrial Textile*, November 2018, pp.1-26.

Co-authors: R Vijay, A Vinod, S Siengchin and D Lenin Singaravelu

*National Seminar on*

**‘Technological Progress and Challenges in Smart Grid  
Integration with Distributed Generation’**

*to be organised by :*

**K S Rangasamy College of Technology**

**Namakkal, Tamilnadu**

**February 01-02, 2019**

*National Workshop on*

**‘Solar PV Installation and Application for  
Domestic Needs’**

*to be organised by:*

**SNS College of Technology**

**Coimbatore, Tamilnadu**

**February 21-22, 2019**

*National Workshop on*

**‘Water Management of the River Mahanadi for  
Better Productivity from Mahanadi Basin’  
Raajdhani Engineering College**

*to be organised by :*

**Bhubaneswar, Odisha**

**February 23-24, 2019**

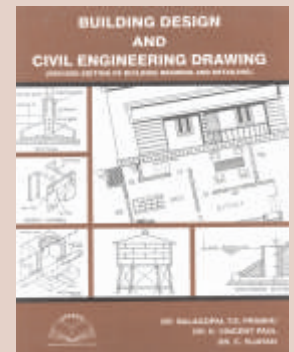


## ***Building Design and Civil Engineering Drawing***

**Balagopal T S Prabhu, K Vincent Paul and C Vijayan**

**D**rawings are the basic language in engineering education and practice. The drawings in Civil Engineering field covers mainly of two types, buildings and general engineering structures. This book incorporates both types in 146 plates with essential information on each plate. The book is organised to provide proficiency to a student in preparing the drawing with clear understanding of the structure and thus aid in the learning of the subject. The drawings are arranged in 9 sections:

1. Drawing Standards
2. Construction Details
3. Building Drawing
4. Planning and Designing of Buildings
5. Reinforced Concrete Structures
6. Steel Structures
7. Irrigation Engineering
8. Public Health Engineering
9. Roads and Culverts

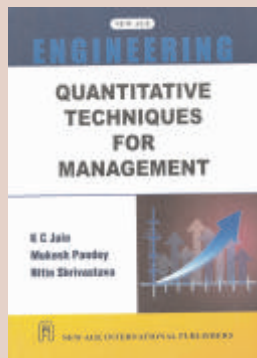


It is hoped that the book will be found useful to the Diploma and Degree level students of Civil and Architectural Engineering branches as well as to those preparing for AMIE examinations.

**Published by :** Spades Publishers and Distributors, Calicut

## ***Quantitative Techniques for Management***

**K C Jain, Mukesh Pandey and Nitin Shrivastava**



**A**s the title, 'Quantitative Techniques' classifies that the entire data about the problem of which the decision is to be taken is quantified, irrespective to the nature of the problem. Say for example the decision about the division of property amongst the heirs or selecting your spouse or replacing your car by a new one. In view of this fact, this subject is gaining great importance in various fields of educational curriculum of different universities of India and abroad. Besides the fact the operation research/optimization methods/quantitative techniques in managerial decisions is being taught as a compulsory subject in management and engineering curriculum of nearly all universities and professional institutions such as Institute of Chartered Accountants of India, Institute of Cost and Works Accountants of India, All India Institutes of Engineers and many other. This is the direct indicator of the prime importance of this area of study that it has acquired in recent part.

The present book is a modest presentation of commonly used quantitative techniques in the wide range of situations of decision making by the managers of different organisations. All such managers come from Science-Mathematics as well as from Arts and Commerce background, the book provides a lucid description of various topics of quantitative techniques giving graphical and pictorial presentation for the postgraduate students of commerce, and professional course like CA, ICWA, AMIE etc. The book provides a comprehensive presentation of the quantitative techniques required in decision making process by managers of today and tomorrow. The authors have attempted to present the subject matter through large numbers of solved examples in the entire book that are added to explain the mathematical derivations through pictorial, schematic diagrams for the easy understanding of non science students in a pedagogical manner. The mathematical sophistications has been made easy through graphical and logical explanations of different critical derivation by explaining the meanings of the theory of optimization involved dimensions in quantitative techniques for easy understanding of budding as well as of experienced managers. Care has been taken by the authors that the pedagogical foundation of the subject is being not lost. Although enough has been covered in twenty chapters, yet lot more is to be provided to the readers with this view in mind basic mathematics, statistics and tab les needed for reference would beaded to future editions.

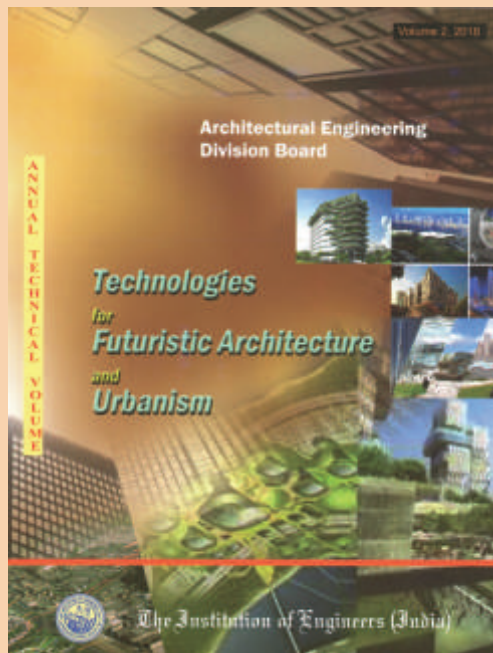
Reader's views, observations criticism and suggestions are welcome.

**Published by :** New Age International Publishers, New Delhi



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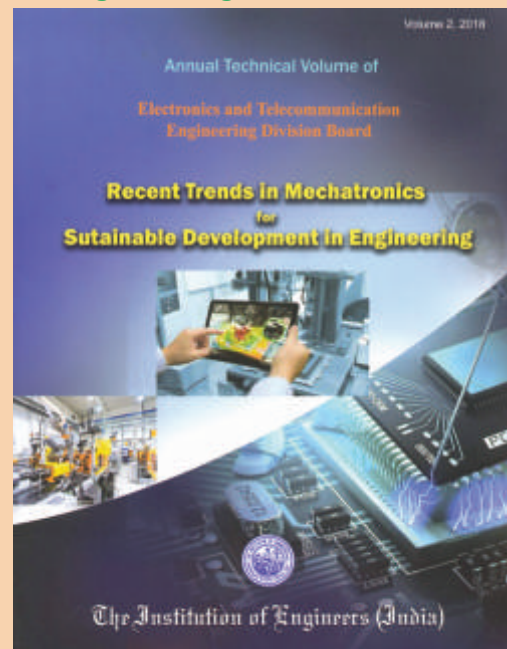
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Inside Full Page	16.8 cm (width) x 22.6 cm (height)	B/W	15,000
Inside Half Page	16.8 cm (width) x 11.3 cm (height)	B/W	8,000

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