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## National Conference on "Engineering Trends & Advanced Sciences"

**SERB Sponsored**  
**NCETAS-2018**  
National Conference on  
**"Engineering Trends and Advanced Sciences"**  
Saturday 30<sup>th</sup> June 2018  
Convener:  
**Dr.M.Ashok Kumar**  
Professor

### RAJEEV GANDHI MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)

Approved by AICTE-New Delhi, Affiliated to JNTUA- Anantapur,  
Accredited by NBA (Tier-II) & Accredited by NAAC with A+ Grade, New Delhi,  
Participated in World Bank Aided TEQIP-3  
NH-15, NANDYAL-515001, KURNOOL(DIST), A.P. Ph:0854-275203/204  
for more details : [www.rgmecet.edu.in](http://www.rgmecet.edu.in)

### ABOUT THE RGM COLLEGE OF ENGINEERING & TECHNOLOGY

The college was established in 1995 and is situated 10km away from Nandyal on NH-15 towards Kurnool. It has been setup with an aim to achieve technical excellence through innovation and with a motto of "EDUCATION FOR PEACE". It is approved by AICTE and NBA (Tier-II), NAAC of UGC with "A+" Grade, New Delhi, Affiliated to JNTUA, Anantapur, and Accredited Autonomous status from UGC. This is one of the three best performing private Engineering Colleges here AP and selected to participate in World Bank Aided, Govt. of India "Technical Education Quality Improvement Program. This is the first private Engineering College affiliated to JNTU at U.G and PG levels. This college has around 11 prestigious Govt. Awards including the gold medal for the best college of all branches of all Engineering College in Andhra Pradesh. Hundreds of batches have been graduated from this college so far. The Institute possesses excellent infrastructure and instructional facilities to cater the needs of all programs offered and to carryout research work. Department of ME, EEE, ECE, CSE have been recognized as R & D centres by JNTUA to carryout Ph.D on regular basis.

### COURSES OFFERED

The college is offering U.G. Programs in BEE (345), CSE (180), EEE (120), ME (160), CE (160) and PG Programs in Power Electronics (15), Machine Design (18), Embedded Systems (18), Computer Science (18), and software Engineering (18), Servocontrol Engineering (18), apart from MCA (60) and MBA (60) with a total intake of 1100 per annum.

### ABOUT THE DEPARTMENT

The Department of Mechanical Engineering has been functioning since the inception of the Institute, and is offering B.Tech in Mechanical Engineering with an intake of 108 & B.Tech in Machine Design with an intake of 18. The Department is extending the research facilities for Post Graduate & Research Scholars in the areas of "Development and Testing of Composite Materials and Testing of Alternative Fuels for an I/C Engines". The Department has well equipped with good infrastructure, state of art laboratories, Bosch Power Tool Centre and CAD/CAM lab with highly advanced software. The computerization of the laboratories have been carried out through AICTE funds of Rs.24.33 lakhs under MODRBS scheme during 2010-2013. The Department has also obtained Rs. 10.16 lakhs fund from AICTE towards Research Promotion Scheme (RPS) during 2011-2012. We have recently been awarded Rs.2 Lakhs Grant from SERB-DST.

The Department has well qualified and dedicated Teaching and Non Teaching faculty having Ph.D./M.Tech. Degrees and published a good No. of Research Papers in the SCI/SCIE/International/National conferences of repute.

### CONFERENCE THEME

The National Conference on "Engineering Trends on Advanced Sciences/NCETAS-2018" is aimed at bringing together various Mechanical Engineers from Academia, Industry and Research organizations to deliberate on Mechanical Engineering Education and Research. The conference focuses on fundamental research related to design and advances in emerging technologies in Mechanical Engineering. The Industry Institute - Interaction (I.I.I.) is coming at an appropriate time when the whole world has become a global village and is looking at an innovation. The Conference is providing a forum for engineers and researchers to exchange ideas and present their latest research work on various aspects of Mechanical Engineering.

### CALL FOR PAPER

#### THERMAL ENGINEERING

- Heat & Mass Transfer
- IC Engines & Alternative Fuels
- Computational Fluid Dynamics
- Refrigeration & Airconditioning
- Advances in Automobile Engineering DESIGN & ANALYSIS
- CAD, FEA, Multibody Dynamics
- Robotics
- Thermop, Vibration & Coupled Mechanics
- Crimp, Fatigue, Fracture Mechanics
- Composite Materials / Nano Composites
- Design & Optimization Techniques
- Advanced Modeling & Simulation

#### MANUFACTURING ENGINEERING

- COMPUTATIONAL/Lean Manufacturing System
- Heat Cutting/Casting/Welding/Finishing Processes
- Machine Tools, Unconventional & Micro Machining
- Mechanical Metallurgy & Computer Simulations
- Rapid Prototyping
- INDUSTRIAL ENGINEERING
- Aggregate Production Planning, Product Design
- ERP, BPM, Procurement Engineering & IPR
- Operation Research and Optimization
- TQM, Quality and Reliability Engineering & Six Sigma
- Logistics & Supply Chain Management, Inventory Control
- Waste Management & Other Environmental Issues

#### Key Note Speakers

- Dr. K.Hema Chandra Reddy, Professor of ME, JNTUC, Kakinada.
- Dr. A. Gopala Krishna, Associate Professor of ME, NITW, Warangal.
- Dr. N.Suresh Babu, Professor of CE, VIT, Guwahati.
- Dr.Rajib Kumar Battacharjya, Professor of ME, IITB, Hyderabad.

### GUIDELINES FOR PAPER SUBMISSION

Authors are informed to submit their original and unpublished research work in IEEE format and same to be e-mail to [ncetas@rgmceet@gmail.com](mailto:ncetas@rgmceet@gmail.com). The no. of pages should not exceed 8. The paper must be in MS Word, Variables Font-5 format. All papers submitted in the prescribed format will be reviewed by review committee. The decision of the committee shall be the final.

### GENERAL INFORMATION

The authors for accepted papers will be intimated by e-mail. Registration fee has to be paid through demand draft drawn on any nationalized bank in favor of Principal, RGMCE, Nandyal payable at Nandyal. One of the authors of accepted papers must register for the conference. Registration fee includes tea, snacks, working lunch and conference kit. Accommodation will be provided on prior request. Certificates will be issued only to registered authors who present their papers in the conference proceedings.

### REGISTRATION FEE

Full time Research Scholars, PG Students  
Authors from Academic Institutions  
Authors from Industry

Rs. 500/-  
Rs. 500/-  
Rs. 1000/-

Send your papers to:  
[ncetas@rgmceet@gmail.com](mailto:ncetas@rgmceet@gmail.com)  
For more details visit:  
[www.rgmceet.edu.in](http://www.rgmceet.edu.in)

### INFORMATION DATES

Submission of Full Paper  
Intimation of accepted papers by e-mail  
Conference Date

1<sup>st</sup> June, 2018  
1<sup>st</sup> June, 2018  
20<sup>th</sup> June, 2018

NO:03/2018/2018  
NO:04/2018/2018  
NO:05/2018/2018