

DST Sponsored

A Three Day National Level Workshop
on

COMPUTATIONAL RESEARCH USING MATLAB (Fill in Block Letters)

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Mr. J. Rajasekhar, Assistant Professor

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Mr. P. Gangadhararao, Associate Professor
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Department of Mechanical Engineering

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A Three Day National Level Workshop
on

COMPUTATIONAL RESEARCH USING MATLAB

10th – 12th November 2016



RAMACHANDRA COLLEGE OF ENGINEERING

[Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada]
NH-5, Bypass Road, Vatluru (V), Eluru – 534007,
W. G. District, AP,
08812 - 215150 (O), 08812 - 215150/52 (R)

THE ORGANIZING INSTITUTION

Ramachandra College of Engineering (Approved by AICTE & Affiliated to JNTUK), Eluru, W.G.Dt., A.P. is an AA rated Engineering College by CAREERS 360 and an ISO 9001:2008 certified institution. This was established in the year of 2008 by Sri Ghanta Ramachandra Rao a philanthropist, at serene green naturally landscaped sprawling surroundings of Eluru (on NH-5, just 40 minutes journey from Vijayawada Airport (Gannavaram), with an aim to uplift the standards of rural students by providing quality education in the field of engineering.

The college is offering Under Graduate (UG) programs in six branches (CE, CSE, ECE, EEE and ME) and Post Graduation programs (PG) in four specializations in Engineering Stream (Computer Science & Engineering, Machine Design, Power Electronics and VLSI) and MBA program. The college has a track record of outstanding performances of its pass-outs in different spheres.

RCE constantly restructures itself and renovates its physical infrastructure as well as its research and educational facilities. The aim of RCE is to attain national prominence by providing outstanding education in the field of engineering for their productive careers in industry, academia and government.

At present, college strength is 2000+. RCE organizes guest lecturers by eminent professors, experts from industry to the students in their respective areas of specialization. Periodical activities like paper and poster presentations, model exhibits, industrial visits and educational tours are also arranged to supplement the class room teaching

THE ORGANIZING DEPARTMENT

The department of Mechanical Engineering had its inception on July 2011 with an initial intake of just 60 students. The department gradually flourished, nourishing young minds by the team work of dynamic and experienced faculty members who paved the roads of success. Further in the year 2012, increased the B.Tech intake to 120 students aided with “state-of-the-art” Laboratories and Computational facilities in all core fields of Mechanical Engineering. In the year 2014, the department expanded its horizon with a PG course in Machine Design.

The labs in the Mechanical Engineering Department are the ideal places where students prepare for the future. We do provide the best working condition with all the latest gadgets. The department is equipped with the following Laboratories: Mechanics of Solids Lab, Fluid Mechanics & Hydraulic Machines Lab, Production Technology Lab, Thermal Engineering Lab, Metallurgy & Material Science Lab, Machine Tools Lab, Metrology & Instrumentation and Control Systems Lab, Heat transfer Lab, CNC & Simulation Lab and Machine Dynamics Lab.

ABOUT THE WORKSHOP

MATLAB is a high level Soft computing tool and interactive environment for algorithm development, data visualization, data analysis and numerical computation. It can be used to solve technical computing problems faster than with traditional programming languages.

The Main objective of the workshop is to expose the Research Scholars exclusively from academia and industry to the use of MATLAB and its applications in research The Workshop provides hands on experience with MATLAB to

solve their problems starting from fundamentals by performing various Optimization Techniques.

WHO CAN PARTICIPATE?

This workshop is open to all Research Scholars and Faculty Members from Academia as well as Industry.

RESOURCE PERSONS:

The eminent speakers are

- ✓ **Prof. A. Gopala Krishna**, Program Director for Design Innovation Centre, JNTUK, Kakinada.
- ✓ **Prof. Ch. Srinivasa Rao**, Professor, Mechanical Engineering Department, AUCOE(A), Visakhapatnam.
- ✓ **Dr. V. Hari Kumar**, Assist. Professor Mechanical Engineering Department, NIT Warangal.
- ✓ **Prof. K. Karteeka Pavan**, Professor in IT, RVRJCCE, Guntur
- ✓ **Prof. P.V. Vinay**, Professor in Mechanical Engineering Department, GVPTC, Visakhapatnam
- ✓ **Dr. S. Radhika** Asst. Professor in ME, RVRJCCE, Guntur
- ✓ **Dr.T.Babu Rao** Assoc. Professor in ME, GEC, Gudlavalluru.
- ✓ **Mr. K. Pavan Kumar**, (PhD), IITM

REGISTRATION FEES

For Research Scholar/Faculties from Academia: Rs. 1000/-
For Research Scholar from Industry : Rs.1500/-

KIND NOTE:

- ✓ No spot registration & registration is restricted to 50 participants only.
- ✓ The registration is based on first come first served basis. Registration fee includes Certificate, Working Lunch, Tea and Snacks.
- ✓ Limited shared accommodations may be available in the Institute's Student Hostel on first come first served basis.
- ✓ TA/DA will be borne by Participants only.

SUBMISSION OF THE REGISTRATION FORM

Candidates should mail the registration form duly filled to the Organizing Secretary (crumme.rcee@gmail.com) on or before 15.10.2016.

Intimation of selection : 25.10.2016

Confirmation from participants : 31.10.2016

Contact Persons:

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Mr. J. Rajasekhar – 9948544733