

**AICTE SPONSORED
NATIONAL SEMINAR ON
Advances in Nanocomposite materials
and their fabrication (ANMF-2017)
02 – 03rd, November,2017**

REGISTRATION FORM

1. Name :
2. Designation :
3. Organization :
4. Mailing Address :
- Ph. No. :
- Email :
5. Whether accommodation is required: YES/NO
6. Demand Draft Details :
- Number: Bank:
- Amount: Date:

(Signature of Applicant)

I recommend his/her participation in the course

Signature

(Head of the Institute/organization with seal)

Station : Date:

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Organized by

**DEPARTMENT OF MECHANICAL ENGINEERING
R.V.R. & J.C.COLLEGE OF ENGINEERING
(Autonomous)
Chowdavaram :: GUNTUR - 522 019.**



Coordinator

Dr. V.Chittaranjan Das, M.Tech,Ph.D.,
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Introduction:

Nanocomposite encompasses a wide range of materials mixed at the nanometer scale. Three dimensional metal matrix composites, two dimensional lamellar composites and one dimensional nanowires and zero-dimensional core-shells represent some of the many variations of nano-mixed and layer materials. These constructs combine the best properties of each of the components and give rise to new and unique properties for advanced applications. Nanomaterials can be made from unexotic raw materials are stronger than steel and as flexible as plastic, conduct energy better than almost any material ever discovered. Growing realization of the remarkable characteristics of novel materials and methods has led to the interest in their application to diverse areas, including biocomposites and biosensors.

In recent years, rapid advances in technology have given rise to miniaturized and light weight products with increased and more powerful functionality. Such a trend of size reduction poses demand for enhanced precision of manufactured products not only in terms of the size and shape, but also the quality of the machining. The technologies include various techniques such as electric discharge machining, laser machining, electrochemical machining and focused ion beam milling. These technologies involve different physical mechanisms, yield different results, and are applicable indifferent situations. The present seminar will introduce various optimization techniques to analyze experimental data.

Active researchers in the nanotechnology field will provide in-depth analysis of issues related to various applications such as automobile, medical, agricultural, automotive, building construction, railway, etc. By attending this course participants will learn from the experts the future developments and trends in the field.

Objectives:

The seminar is aimed for the members of the faculty, research scholars ,PG and UG students of engineering

institutions of allied engineering branches viz, Metallurgical and Material Science, Mechanical and Production.

Proposed Topics

The seminar focuses on

- Amazing Materials: Carbon Nanotubes (CNTs)/Graphene and other forms of Carbons
- Synthesis and characterisation of Carbon Nanotubes
- CNTs Reinforced Composites Automobile Industries.
- Design of experiment
- Taguchi's optimization philosophy
- Taguchi based multi-response optimization approaches
- Desirability function approach
- Satisfaction Function Approach
- Utility theory,TOPSIS,VIKOR,MOORA method
- Principal Component Analysis (PCA)

Programme Delivery:

Renowned resource persons / Subject specialists from Academia (both from Engineering & R&D), institutions and industry, would be delivering lectures and sharing their experiences with the participants. No T.A., D.A. shall be provided to the participants

About The College:

Established in 1985, R.V.R. & J.C.College of Engineering, Guntur is the 'Jewel in the Crown' of Nagarjuna Education Society, which took upon itself the responsibility of enriching the society through promotion of education, literature and culture. The Engineering College, since its inception, enjoyed the status of a proud possession of Guntur and truly contributed to the objective of offering quality education. The college registered a phenomenal growth and today it stands as a premier institution offering engineering and management education at UG and PG levels. In 1998, it had become the youngest college to have been accredited by the National Board of Accreditation of the AICTE. As on date, all the seven eligible B.Tech. Degree courses have been accredited in 2002 & 2007 for 3/5 Years which, by far is the best achieved by any private engineering college in the State. The college was reaccredited in 2012 and 2017 by NBA, New Delhi. The college has been graded as the second best among the private Engineering

Colleges by the APSCHE, Hyderabad. The college found a place in 'INDIA'S TOP 100 Engineering Colleges', according to a nation-wide survey conducted by Cfore for the news weekly "OUTLOOK". The College received best laboratory award, Ecofriendly campus award and best performing professional UG college award in University examination results for the last FIVE consecutive years from Acharya Nagarjuna University .It is a hard-earned honor which one cherishes with pride and humility. The college is a typical example of meticulous planning, resource scheduling, human endeavor and institutional management.

About The Department:

The Department of Mechanical Engineering started B.Tech course in 1985 and M.Tech (CAD/CAM) in 2004.The B.Tech course had been accredited with "A" grade by NBA for 3/5 Years in 1998, 2002 respectively. It has been re-accredited for 3 years,2years ,3 years in 2007,2012 and 2017 respectively.The department was awarded Rs.75 lakhs worth projects by AICTE, UGC and so on. The department has well experienced faculty with right mix of specializations and highly skilled and motivated technicians to provide quality education to the students. A well established CAD/CAM laboratory posses 110 high end computer systems and all with advanced modeling and analysis software. Many of its students are placed in multinational companies like CUMMINS, ESSAR STEELS, INFOSYS, CTS, TCS, SATYAM, and INFOTECH etc., through campus selections.

Registration and Fee Particulars for Participants:

Registration fee will be made infavour of Principal, **R.V.R. & J.C. College of Engineering**, and Payable at Chowdavaram.

Educational Institutions	: Rs. 250/-
R&D Organizations & Industries	: Rs. 500/-
U.G.and P.G Students	:Rs.200/-

The registration fee enables the participants to receive seminar kit ,lunch , snacks etc during seminar days. Registration forms are available on the website:

www.rvrjce.ac.in :

Important Dates:

Last date for submission of Application: **28-10-2017**

Confirmation to participants : **29-10-2017**