



**WORKSHOP ON
ENGINEERING MATERIALS AND ADVANCE MANUFACTURING
PROCESSES**

OCTOBER 1ST, 2016

Organized by
DEPARTMENT OF MECHANICAL ENGINEERING
J.N.GOV'T. ENGG. COLLEGE, SUNDERNAGAR(HP)-175018

Patron

Prof. Raman Parti
Director/Principal
JNGEC Sundernagar

No.GEC/SNR/Mechanical/Workshop/2016-

Dear Sir/Ma'am,

Greetings!

We are pleased to inform you that the Department of Mechanical Engineering, Jawaharlal Nehru Govt. Engineering College, Sundernagar is organizing workshop on "ENGINEERING MATERIALS AND ADVANCE MANUFACTURING PROCESSES" on 1st October 2016 under the sponsorship by TEQIP II.

The workshop aims to provide a platform for imparting knowledge of advancements in various engineering materials and their manufacturing processes by bringing together the experts, academicians, field engineers and students together.

We are looking forward for your participation and support in the workshop.

You are requested to sponsor your faculty/officials/research scholars to attend the workshop.

We will be looking forward to meet you in the workshop at JNGEC Sundernagar.

Organizing Secretaries

Mr. Amitesh Sharma
Asst. Professor &
OIC, MED
JNGEC Sundernagar

Regards

JAWAHARLAL NEHRU GOVERNMENT ENGINEERING COLLEGE

Mr. Ajay Kumar
Asst. Professor, MED
JNGEC Sundernagar

Organizing Secretaries
Engineering Materials And Advance Manufacturing Processes
J.N.Govt. Engg. College Sundernagar
Mandi (H.P.)

CONTACT

Mr. Amitesh Sharma
Email: amiteshjngec@rediffmail.com
Phone: +91-94180879955

Mr. Ajay Kumar
Email: ajaysonkhla@gmail.com
Phone: +91-8679422386

Registration

Registration form in the prescribed format approved/sponsored by the competent authority should reach to the Course Coordinator on or before 27th September 2016.

For Institutions affiliated to H.P.U/ H.P.T.U: No fee

Government Employees: No Fee

For other Universities/institutes

Undergraduate Students: Rs. 500

Research Scholars/ P.G Students: Rs. 1000

Faculty: Rs. 1000

Industry: Rs. 1500

The registration fee should be in the form of DD favouring "Director JNGEC" payable at Sundernagar (HP). List of selected participants will be displayed on college website on 28th September 2016.

Submission of Registration form to

Mr. Amitesh Sharma

Head

Department of Mechanical Engineering,
J N Government Engineering College,
Sundernagar, Himachal Pradesh-175018

Email: amitesh.jngec@rediffmail.com

ajaysonkhla@gmail.com

Mobile: +91-9418087955

+91-8679422386

For further details visit college Website.

www.jngec.ac.in

REGISTRATION FORM

TEQIP-II SPONSORED NATIONAL WORKSHOP

ON

ENGINEERING MATERIALS & ADVANCE MANUFACTURING PROCESSES (01st October 2016)

Name _____

Designation _____

Organisation _____

Address for Correspondence _____

Mobile No. _____

E-mail _____

Gender: Male/Female

Declaration

The information provided is true to the best of my Knowledge. If selected, I agree to abide by the rules and regulations of the workshop and shall attend the workshop for the entire duration.

(Signature of Applicant)

Signature of Head of Institution/ Department

Place:

Date:

NATIONAL WORKSHOP

ON

ENGINEERING MATERIALS & ADVANCE
MANUFACTURING PROCESSES

(01st October 2016)

AT

J N Government Engineering College
Sundernagar, (HP)-175018

SPONSORED BY
TEQIP-II



Organized by

Department of Mechanical Engineering
J N Government Engineering College
Sundernagar, Himachal Pradesh-175018

About JNGEC

Jawaharlal Nehru Government Engineering College was established in the year 2006 with the vision to create pool of skilled workforce which can cater to the stringent needs and aspirations in the dynamic market place. Since its inception the institute continues to strive for excellence in all spheres while providing quality education to its students. Unnerved by the stiff competition the students irrespective of their branch have earned a name for themselves in the international arena. The institute has come up in the lower foothill of the Himalayas in the hill top Bechnadhar. A picturesque that sets up from the hilltop happens to be really mesmerizing one. Institute at present runs four undergraduate bachelor of technology programmes in Mechanical Engineering Textile Engineering, Civil Engineering and Electronics and Communication Engineering.

About Mechanical Engineering Department

The Department of Mechanical Engineering is one of the oldest academic departments of this prestigious institution. It was started in year 2006 with intake of 40 students later the intake was increased to 60 with start of more courses and expansion of infrastructure. Department is equipped with advanced facilities and is actively pursuing to start research programmes like M.Tech and PhD.



Introduction

The knowledge of materials characteristics, allows the designer not only to make the best material selection as a function of its application in a given product, but also to overcome constraints in a design path where materials and transformation technologies become variables of the creation process. Now days the knowledge of materials properties is essential more than ever. In order to produce awareness in design methodology and exploit the materials in a most appropriate way, a thorough characterization of materials is very much essential. In the national workshop due coverage is given for material development, characterization, testing and application of materials. Composite materials, coatings and compound semi conductors will be discussed in the training programme.

Objectives of the course

The course is proposed to generate and impart knowledge on the fabrication of recent advanced materials and composites, manufacturing processes, the knowledge about metallurgical characteristics and characterization of materials.

Course Contents

- Processing, characterization, micro structural features of advanced engineering materials.
- Mechanical properties and tribological characterization of advanced engineering materials.
- Engineering applications of advanced engineering materials.
- Introduction to advanced manufacturing processes

Eligibility

Faculty members from AICTE recognized institutes and Research Scholars pursuing M.Tech, Ph.D in the areas of Mechanical, Production, Manufacturing and Material Science engineering background and persons from industries are also eligible to attend the workshop.

Accommodation and Travel

Participants have to arrange for their accommodation, however institute shall assist in finding suitable accommodation. No TA/DA will be paid for attending the workshop. However working lunch/tea will be provided during the workshop.

Resource Persons

Faculty members from IITs, NITs, other reputed institutions and industry persons.

Organizing committee

| | |
|----------------------|------------------------------------------------------------------------------------------------|
| Chairman | Prof. Raman Parti Director , JNGEC |
| Co-ordinators | Mr. Amitesh Sharma, AP,MED Mr. Ajay Kumar, AP,MED |
| Members | Mr. Mridul Sharma, AP,MED Dr. Ritesh Kaundal, AP,MED Mr. Gaurav Mahajan, AP,MED |

