

**One Week VGST Sponsored  
Faculty Development Program**

**On**

**RECENT ADVANCES IN  
MATERIAL –PROPERTIES**

**16<sup>th</sup> to 20<sup>th</sup> January 2018**

**Registration Form**

1. Name: \_\_\_\_\_

2. Qualification: \_\_\_\_\_

3. Area of specialization: \_\_\_\_\_

4. Designation: \_\_\_\_\_

5. Department: \_\_\_\_\_

6. Institute: \_\_\_\_\_

7. Address for Communication: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Cell: \_\_\_\_\_

E - mail: \_\_\_\_\_

DD No: \_\_\_\_\_ Date: \_\_\_\_\_

Amount: \_\_\_\_\_ Bank: \_\_\_\_\_

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His Holiness Jagadguru Panchama

**Sri Shivalingeshwar Mahaswamiji**

Siddha Sousthana Math Nidasoshi

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Principal, HIT, Nidasoshi

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**Dr. Parashuram Baraki**, H.O.D., C.S. Engg.Dept

**Dr. Suheendra Hadadi**, H.O.D., E.&E.Engg.Dept

**Dr. M.S.Hangadkar**, H.O.D., First year Engg.Dept

**Address for Correspondence**

**Dr S.A.Alur**,

**Department of Mechanical Engineering ,**

**HIT, Nidasoshi, Tq: Hukkeri, Dist: Belgaum**

**Karnataka State – 591236**

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**E - mail: saalur.mech@hsit.ac.in**

Signature of the  
Participant

Signature & Seal of the  
Head of the Institute



SJPN Trust's

**HIRASUGAR INSTITUTE OF TECHNOLOGY,  
NIDASOSHI - 591236**

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**Sponsored by**



**Organized by**

**Department of Mechanical Engineering**



## About the Institute:

It was with the vision & foresight of His Holiness Shri Pancham Nijalingshwar Mahaswamiji, the Ninth pontiff of Shri. Siddha Sousthan Math, Nidasoshi, that Shri. Jagadguru Pancham Nijalingshwar (SJPN) Trust was founded in 1984 with the sole purpose of imparting quality education to the needy masses. Under this trust, Hirasugar Institute of Technology, Nidasoshi was established in the year 1996. The management of HIT is a benevolent body of individuals drawn from various walks of life. Eminent personalities from both industry & academic field are managing the institution. The college is spread over a sprawling 48.26 acres of greenery & natural surroundings. The Institute offers 4 years BE Degree courses in Mechanical Engineering., Electrical & Electronics Engineering, Electronics & Communication Engineering & Computer Science Engineering . The Institute also runs a Post Graduate Course in Thermal Engineering and the Mechanical Engineering Department has been recognized as a Research Centre by V.T.U. The college is affiliated to Visvesvaraya Technological University (VTU), Belagavi & approved by All India Council for Technical Education (AICTE), New Delhi & recognized by the Government of Karnataka.

## About the Department:

The department of Mechanical Engineering was established in the year 1996 with an intake of 60 students & the present intake is 120. The department has qualified & experienced teaching faculty with state of the art infrastructure and modern teaching aids catering to the needs of VTU curriculum. At present, eight faculty are pursuing Ph.D under V.T.U.

## About the Course:

- The properties of interest in materials like mechanical, electrical, magnetic, optical can impact industries involved in electronics, communication, medicine, manufacturing, energy and the environment. The emerging field of Nanotechnology and the advanced processing methods are providing a new palette of molecular, organic, biological and inorganic building blocks to design and assemble Nano engineered materials with unique functionalities.

The course is designed to provide more details about the recent progress in materials -properties A few of the advanced materials like Graphene, Carbon Nano tubes, Nano Composite Structures, Thin Films and Smart Composite Structures have been covered by the experts in the field to give the keen insight into the subject and create interest among the faculty, practicing engineers to take up the research in these fields. There are Laboratory sessions and also a visit to an industry as a part of the faculty development program.

## Course Content:

- Nanotechnology and its applications
- Synthesis and Processing of Nano structural materials
- Nano Composites
- Thin Films
- Graphene and Carbon Nano Tubes
- Memory Metals and their applications
- Smart Composite Structures

## Resource Persons:

Resource persons are from the reputed Institutions like N.I.T., Surathkal., B.V.B.Hubli., N.I.E, Mysore and the reputed Research Laboratories like N.A.L. Bangalore., etc.

## Who Can Apply: .

Faculty members of the University/ Engineering College recognized by A.I.C.T.E., working in the department of Mechanical Engineering/Civil Engineering/Material Science & Metallurgy/Chemical Engineering/ Physics/Chemistry are eligible to attend the course. The personnel from the related industries can also attend. The interested participants are requested to send their filled registration forms at the earliest. Selected candidates are informed by e-mail. .Selection will be on first come first served basis with total maximum number of participants limited to 50 numbers only..

## Registration:

There is no registration fee for the course. However, the candidates should send a Crossed Demand Draft of Rs 500/- drawn in favour of “The Principal, HIT Nidasoshi” payable at Sankeshwar. Demand draft will be refunded at the end of the course.

## Accommodation:

Accommodation will be arranged based on prior request on first come first served basis.

## Important Dates:

Form Submission on or before: **28.12.2017**

Selection & Notification by mail on: **01.01.2018**



S J P N Trust's

# Hirasugar Institute of Technology

Inculcating Values, Promoting Prosperity

Approved by AICTE, New Delhi and Affiliated to VTU, Belagavi.



V.G.S.T sponsored  
INDUSTRY – ACADEMIA FACULTY DEVELOPMENT PROGRAMME

## “Recent Advances in Materials Properties”

(16<sup>th</sup> to 20<sup>th</sup> January 2018)

### SCHEDULE

Venue: Electrical Seminar Hall (B-Block)

Date /Time	16-01-2018	17-01-2018	18 -01-2018	19 -01-2018	20 -01-2018
9 A.M To 10 A.M	Inauguration				
10.00 A.M To 11.30 P.M	A lecture on “Nanotechnology for energy applications ” by Dr .N.R.Banapurmath	A Lecture on “ Fundamentals of Graphene and Carbon Nanotubes “ by Dr. Mohammad Rizwanur Rahman	Industrial visit at Konark Heat System ,Kolhapur	A Lecture on “Introduction to Smart Composite Structures “ by Dr .S.B. Kerur	A lecture on “Synthesis and Processing of Nano structural materials ” by Dr. Dinesh Rangappa
11.45 A.M To 1.15 P.M	A Lecture on “ Nano Composites for structural applications” by Dr. A.M.Hunashyal	A Lecture on “ Fundamentals of Graphene and Carbon Nanotubes “ by Dr. Mohammad Rizwanur Rahman	Industrial visit at Konark Heat System ,Kolhapur	A Lecture on “Numerical methods to Composite Structures “ by Dr. S.B. Kerur	Memory metals and its applications by Prof . S.K.Muttagi
1-15 P.M To 2.P.M	LUNCH BREAK				
2.15 P.M To 3.45 P.M	A lecture on “Nanomaterial Characterization Techniques ” by Dr. U.M.Daivagna	Invited talk on thin films by Dr. Siddharth Joshi, Professor, N.I.E.,Mysore	Industrial visit at Konark Heat System ,Kolhapur	A Lecture on “Composite material technology for Micro Air Vehicles” by Mr. Tulasi Durai	Valedictory Function
3.45 P.M To 4 P.M	TEA BREAK				
4 P.M To 5.30 P.M	A Lab session on “Synthesis of NanoMaterials” by Mr. S.A.Hallad	A Lab session on “Nanofluid synthesis “ by Mr. S.A.Hallad	Industrial visit at Konark Heat System ,Kolhapur	A lecture on “Nanofluid synthesis ,characterization and application to heat transfer” by Dr. S.A.Alur	

Nidasoshi, Taq: Hukkeri, Dist: Belgaum, Karnataka - 591 236

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