

TEQIP-III Sponsored Faculty Development Programme

on Recent advancement in manufacturing and Material Processing (RAMMP-2020)

10th - 14th September, 2020



Coordinators

Dr. Chitta Ranjan Deo
(Associate Professor)
Dr. Santosh Kumar Sahu
(Assistant Professor)

Organized by



Department of Mechanical Engineering
Veer Surendra Sai University of Technology
Burla, Odisha, 768018, India.
www.vssut.ac.in

REGISTRATION

Registration Fee:-

There is no registration fee for the programme.

Eligibility:-

The programme is open to all members of AICTE/UGC affiliated Institutes/Universities i.e. Faculty Members, Research Scholars, PG Students.

Selection and Certification Criteria:-

Selection will be done based on first-cum-first-serve basis and the confirmed candidate will be notified on receipt of registration form latest by 9th September 2020. An online test will be conducted by the coordinator at the end of the program. The certificates shall be issued to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test.

Important Date:-

Last date for submission of application:

9th September 2020

How to Apply:-

The participants have to submit duly filled registration form which is also available on the link on or before **9th September 2020**.

Guidelines:-

Session time will be from 10:00 AM to 4:30 PM.



Link for Registration:-

<https://forms.gle/Po5Hta8RQzepJPrZA>

SPEAKERS

The course lectures shall be delivered by the faculty members of VSSUT, Burla and eminent speakers invited from NITs, IITs, other premier institutions of India and reputed industries.

Patron:-

Prof. Atal Chaudhuri
Vice Chancellor, VSSUT

Co-Patron:

Prof. U. R. Jena Das
Dean, CDCE
Prof. Amarnath Nayak
Coordinator, TEQIP

Advisory committee:

Prof. B. B. Pati, Dean
Prof. S. K. Swain, Dean
Prof. P. C. Swain, Dean
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Prof. J. R. Mohanty
HOD, Mechanical Engineering

Coordinators:

Dr. Chitta Ranjan Deo
Dr. Santosh Kumar sahu

Executive committee:

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Dr. B. B. Pani
Dr. P. Dash
Dr. P. Mishra
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Mr. L. Das

OBJECTIVE

The concept of continuous development is the present trends in every field of science and technology to survive and grow in this competitive world. Accordingly, there is continuous development especially in the field of materials and manufacturing to meet the challenges faced by the present industries. Moreover, there is also drastic change in the field of management since the development of the concept of Total Quality Management (TQM) in 1970 by Japan. Hence it is very much essential for both the academicians and researchers to be well aware of latest development in the field of optimization technique to find out the best optimal parameter can lead towards improvement of overall process efficiency. Keeping in view of the above requirements, a one week workshop course has been planned to organize in the VSSUT campus where well experienced academicians, industry personals will be invited to share their knowledge and experience in the above fields. This workshop aims to enlighten the clear vision of the diverse optimization technique through lectures and hand on practice by which the knowledge of the participants will enrich.

COURSE CONTENTS

Some of the major course content shall be:-

- Recent eras of modern manufacturing processes
- Manufacturing, Characterization & applications
- Fundamental of experimental design, analysis tools and technique.
- Recent optimization techniques for process optimization.
- Industry related problems and their solutions.
- Recent developed in advanced material science .

ABOUT US

Veer Surendra Sai University of Technology (VSSUT), Odisha (formerly known as University College of Engineering (UCE), Burla) was formed by Odisha Act- 9 of 2009 by upgrading to a Unitary State University, which came into force from 1st day of July 2009. VSSUT is located at the foothill of famous Hirakud Dam – longest in Asia. Burla is known as Intellectual Capital of Odisha with VSSUT, VSS Institute of Medical Science and Research, Sambalpur University, MCL, WESCO and IIM, Sambalpur. It is located 12 km away from Sambalpur railway station and 3 km away from Hirakud railway station. VSSUT, Burla has carved a niche for itself among the best technical institutes in India and is a dream institute for many budding engineers. The University offers B. Tech, B. Arch, M. Tech, Dual Degree, M. Sc, Int. M. Sc., MCA and Ph. Ds. The university is surrounded by a large number of Government, public and private industrial sectors such as OHPC, HINDALCO, NALCO, NTPC, OPTCL, Vedanta Aluminum Ltd. and Bhusan Steel Plant. The institute has an excellent placement record with a number of top ranking companies visiting the campus every year.



Link for Registration:-

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One Week Online FDP Programme

on

Recent advancement in manufacturing and
Material Processing
(RAMMP-2020)



10th-14th September 2020

About the Department

Department of Mechanical Engineering is the first department of its kind in the state of Odisha and was established in 1956 with a vision to develop new ideas in the field of Mechanical Engineering. This department is accredited by AICTE. During last 5 decades, this branch produced high standard self motivated professionals (around 3500) to serve the humanity both nationally and internationally at par excellence. The department of Mechanical Engineering is well known for its excellence in teaching and research. The faculty members of the department are engaged in state of the art research as well as guiding the Ph.D., M.Tech., and B.Tech. students.

Contact for further information:

Contact address:-

Coordinator, "RAMMP-2020"

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DEPARTMENT OF MECHANICAL ENGINEERING
VEER SURENDRA SAI UNIVERSITY OF TECHNOLOGY
BURLA, ODISHA, 768018, INDIA.
(A Technical University Under State Government of Odisha)
www.vssut.ac.in



Google meet link: <http://meet.google.com/rbs-iviv-gkb>

Resources Persons

**Recent Advancement In
Manufacturing And
Material Processing**

DAY 1



Prof. B. Sarkar,
Jadavpur
University

DAY 1



Prof. A.
Bandyopadhyay,
Jadavpur University



Prof. S.S.
Mahapatra, NIT
Rourkela

**10th – 14th
September, 2020**

DAY 2



Prof. J.D.
Barma, NIT,
Agartala



Prof. S. Datta, NIT,
Rourkela



**Dr. C.R. Deo,
(Coordinator)**

DAY 3



Prof. S.
Gangopadhyay, IIT,
Bhubaneswar



Dr. A. Gupta,
IIT, Jodhpur

DAY 4



Prof. P. Sahoo,
Jadavpur,
University



Dr. B.N. Sahoo,
SVNIT, Surat

DAY 5



Prof. A. Satapathy,
NIT Rourkela



Dr. R. K. Sahu,
NIT, Surathkal



**Dr. Santosh
Kumar Sahu
(Coordinator)**

Time Table

Faculty Development Programme on “RECENT ADVANCEMENTS IN MANUFACTURING AND MATERIALS PROCESSING-2020” from 10th Sept. to 14th Sept. 2020

Organized by Department of Mechanical Engineering, VSSUT, Burla, Odisha, India

Join with Google meet link: <http://meet.google.com/rbs-iviv-gkb>

Coordinators: Dr. C.R. Deo & Dr. S.K. Sahu

| Day/Time | Activities | | | Activities | |
|---------------------------------|---|--|---|--|--|
| 10 th Sept. (THU) | Inauguration (09.30-10.00) | Lecture-1 (Prof. B. Sarkar, Jadavpur University) (10.00-11.00) | L U N C H B R E A K | Lecture-3(Prof. S.S. Mahapatra,NIT Rourkela) (14.30-16.30) | |
| | | Lecture-2 (Prof. A. Bandyopadhyay) Jadavpur University(11.00-12.00) | | | |
| 11 th Sept. (FRI) | Lecture-4(Prof. John Deb Barma,NIR, Agartala) (10.00-12.00) | | | Lecture-5(Prof. S. Datta, NIT, Rourkela) (14.30-16.30) | |
| 12 th Sept. (SAT) | Lecture-6(Prof. S. Gangopadhyay, IIT, Bhilai) (10.00-12.00) | | | Lecture-7(Dr. A. Gupta, IIT, Jodhpur) (14.30-16.30) | |
| 13 th Sept. (SUN) | Lecture-8 (Prof. P. Sahoo, Jadavpur, University) (10.00-12.00) | | | Lecture-9(Dr. B.N. Sahoo, SVNIT, Surat)(14.30-16.30) | |
| 14 th Sept. (MON) | Lecture-10(Prof. A. Satapathy, NIT Rourkela) (10.00-12.00) | | Lecture-11(Dr. R. K. Sahu, NIT,Suratthal) (14.30-16.30) | | Valedictory Function (16.30- 17.00) |

Lecture-1: Prof. Bijan Sarkar, **Professor**, Production Engineering Department, **Jadavpur University**

Lecture-2: Prof. Asish Bandyopadhyay, **Professor**, Mechanical Engineering Department, **Jadavpur University**

Lecture-3: Prof. Siba Sankar Mahapatra, **Professor**, Department of Mechanical Engineering, **NIT, Rourkela**

Lecture-4: Dr. John Deb Barma, **Associate Professor**, Department of Mechanical Engineering, **NIT Agartala**

Lecture-5: Dr. Saurav Datta, **Associate Professor**, Department of Mechanical Engineering, **NIT, Rourkela**

Lecture-6: Dr. Soumya Gangopadhyay, **Associate Professor**, Department of Mechanical Engineering, **IIT Bhilai**

Lecture-7: Dr. Ankur Gupta, **Assistant Professor**, Department of Mechanical Engineering, **IIT Jodhpur**

Lecture-8: Prof. Prasanta Sahoo, **Professor**, Mechanical Engineering Department, **Jadavpur University**

Lecture-9: Dr. Biranchi Narayan Sahoo, **Assistant Professor**, Department of Mechanical Engineering, **SVNIT, Surat**

Lecture-10: Prof. Alok Satapathy, **Professor**, Department of Mechanical Engineering, **NIT, Rourkela**

Lecture-11: Dr. Ranjeet Kumar Sahu, **Assistant Professor**, Department of Mechanical Engineering, **NIT Sratthal**