



About VSSUT Burla

VSSUT Burla is the premier unitary technical university in the state of Odisha, established in the year 2009 after upgradation of the first engineering college of the state (University College of Engineering, Burla – Estd. 1956). The university is situated at the foot of world famous Hirakud Dam in beautiful natural surroundings of river, lakes and mountains. VSSUT acts as an academic as well as a research hub by promoting quality technical education for the society in collaboration with closely located reputed educational institutions like Sambalpur University, VSS Institute of Medical Sciences & Research and emerging industries like Hindalco, MCL, Vedanta, Bhushan Steel etc. to name a few. The university has more than 15 departments offering 10 B.Tech., 7M.Tech., 4 M. Sc. program in diversified disciplines of engineering and sciences with a special focus on Ph. D. research on emerging and advanced areas. The university has currently 4400+ students, 300+ sanctioned faculty strength, 500+ support staffs and 20000+ graduating students (alumni).



Mechanical Engineering Department

The department of Mechanical Engineering was established in 1956. It is the mother branch of all other streams. Design, Thermal and Production specialization (PG courses) were introduced in 1972. The prestigious alumni have proved their efficiency in India and abroad by serving in multifarious capacities. The aim is to impart quality education to students by enhancing their skills and encouraging innovative research and consultancy by establishing the state-of-the-art research facilities through which the faculty members and engineers from the nearby industries can actively utilize the established the research laboratories.

Contact for any further information

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TEQIP Sponsored Faculty Development Programme

on

“Product Manufacturing and Analysis: Inculcation of Newer Methodologies”

PMAINM-2020

(9th – 13th September, 2020)



Co-ordinators

Dr. Sarojrani Pattnaik

(Associate Professor)

Dr. Mihir Kumar Sutar

(Assistant Professor)

Organized by



Department of Mechanical Engineering
Veer Surendra Sai University of
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www.vssut.ac.in

Objective and Scope

The FDP on “Product Manufacturing and Analysis: Inculcation of Newer Methodologies” brings an opportunity for all enthusiasts from the production & design engg. domain who like to learn and explore the recent ongoings in the same. This course will help the participants:

- To get a grasp of latest cutting-edge manufacturing technologies being followed around the globe.
- To get acquainted with various modelling methodologies adopted before manufacturing for optimized manufacturing cost.
- To know various analysis techniques being used prior and post manufacturing for improving the product reliability at the consumer end.

Objective of the Programme

- To impart knowledge on various cutting-edge manufacturing and modelling techniques being used.
- To get acquainted with various analysis methods adopted at the pre and post manufacturing stage for getting better product.

Topics to be covered

- Bond Graph Modelling in Robotics.
- Modelling of continuous casting process.
- Tribological modelling aspects in design.
- Finite Element Analysis of Functionally Graded Material.
- Factorial design in welding.
- Cast Aluminium Alloys for elevated temperature applications etc.

Resource Persons

1. Prof. Sunil Pandey, IIT Delhi
2. Prof. S.C. Sharma, IIT Roorkee
3. Prof. P.M. Pathak, IIT Roorkee
4. Prof. P.K. Jha, IIT Roorkee
5. Prof. Inderdeep Singh, IIT Roorkee
6. Prof. Indra Vir Singh, IIT Roorkee
7. Prof. S. K. Dwivedy, IIT Guwahati
8. Prof. B.B. Biswal, Director NIT Meghalaya
9. Prof. S.K. Patel, NIT Rourkela
10. Dr. Animesh Mandal, IIT BBSR

Significance of the FDP

The 5-day FDP will witness experts from IITs/NITs with a vast experience. The mode of learning is online through Google Meet.

- 20 hours live online hands-on based learning and interactive query session.
- Soft copy of the study material will be available with them.
- Participants if desired will get a copy of the recorded session after completion of the programme.

Who can Participate

Faculty members from UGC/AICTE recognized Universities and Engineering colleges from all over India can attend the FDP.

Registration Process

- The TEQIP sponsored FDP Programme is absolutely free of any registration charge. However, the maximum number of participants is limited to 100 on first come first registered basis.
- Registration Link:
<https://forms.gle/FeqGL6WqDheCu8f28>

Patron

Prof. Atal Chaudhury

Hon'ble Vice Chancellor VSSUT Burla

Co-Patron

Prof. Amarnath Nayak

Coordinator, TEQIP VSSUT Burla

Prof. U.R. Jena

Dean, CDCE VSSUT Burla

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Prof. S.K. Swain, Dean Academic

Prof. P.C. Swain, Dean PGS & R

Prof. S.S. Das, Dean Students' Welfare

Prof. J.P. Panda, Dean SRIC

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Head, Dept. of Mechanical Engg.

Coordinators

Dr. Sarojrani Pattnaik

Dr. Mihir Kumar Sutar

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