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Vice Chancellor, VSSUT

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Prof. S. Panda, Dean PGS & R
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Prof. J. P. Panda, Dean SRIC

Chairman:

Prof. J.R. Mohanty
H.O.D., Mechanical Engineering

Coordinators:

Dr. Chitta Ranjan Deo

Co-Coordiators:

Dr. S. K. Sahu
Dr. B. R. Jali
Dr. L. Das

Executive committee:

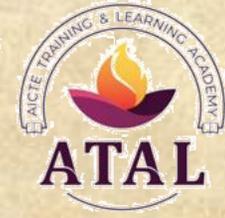
Prof. J. Rana
Dr. B. B. Pani
Dr. P. Dash
Dr. P. Mishra
Dr. K. K. Ekka
Mr. J. B. Lakra
Mr. L. Das
Mr. S. Dalai

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, 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 Aluminium Ltd. and Bhusan Steel Plant. The institute has an excellent placement record with a number of top ranking companies visiting the campus every year.

The Mechanical Engineering department was started in the year 1956 and presently is rich heritage of academic excellence, innovative curriculum, effective classroom teaching, application-oriented practices, well equipped laboratories and updated workshops, excellent placement record, industry institute interaction and top of the line faculty members with outstanding research abilities. Now, the department runs B. Tech, M. Tech. and Ph.D. Programme.

**AICTE Training and Learning
(ATAL) Academy sponsored**



**5 Days On-nline
Faculty Development Program (FDP)
on
Recent Advancement in Manufacturing
Processes (RAMP-2021)**

During

27th - 31th December 2021

Coordinator

Dr. C.R. Deo, Associate Professor

Co-Coordiators

Dr. S. K. Sahu, Assistant Professor
Dr. B. R. Jali, Asst. Professor (Chemistry)

Dr. L. Das, Assistant Professor

Organized by



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Veer Surendra Sai University of Technology
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www.vssut.ac.in

ABOUT ATAL ACADEMY

All India Council for Technical Education (AICTE) through its newly established AICTE Training And Learning (ATAL) Academy have started unique faculty development programs in various thrust areas of modern technology. 200 such programs have already been conducted in various government institutions benefitting around 10,000 faculties, research scholars & PG students during the FY 19-20.

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 CONTENT

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 .

EVENT DETAILS

The events of the online seminar include:

- ❖ Inaugural Ceremony
- ❖ 10 Technical sessions @ 2 hours/session
- ❖ Q & A with experts
- ❖ Quiz Test and Valedictory Ceremony
- ❖ All the sessions will be conducted **ONLINE** platform.
- ❖ A test will be conducted by the coordinator at the end of the program.
- ❖ Certificates shall be issued by the ATAL Academy to participants who have attended the program with minimum 80% attendance and scored minimum 60%

RESOURCE PERSONS

Academicians from premier institution like IITs, NITs, IISc, Universities, and experts from Industries as well as R&D Organizations having expertise in engineering domain are invited as Resource Person for this program.

IMPORTANT GUIDELINES

- ✦ Faculty members of the AICTE approved institutions, Research scholars, PG Scholars, participants from Government, Industry (Bureaucrats/ Technicians Participants from Industry etc.) and staff of host institutions are eligible to apply for the FDP.
- ✦ Not more than 30% Faculties/research/PG scholar should be from Host Institution.
- ✦ There is no registration fee for the participants.
- ✦ Interested participants from industry, academic and research community are required to register compulsorily in the following link:
<https://www.aicte-india.org/atal> Or
<https://atalacademy.aicte-india.org/signup>
- ✦ Seats are limited (maximum 200) and the participants are selected by organizers on first come first serve basis.
- ✦ Last date of registration:20th December 2021

CONTACT DETAILS

For any queries regarding this programme, please contact:

The Coordinators ATAL FDP
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AICTE Training and Learning (ATAL) sponsored 5 Days Faculty Development Program (FDP) on Recent Advancement in Manufacturing Processes (RAMP-2021) from 27th – 31th December, 2021

Google meet link: <https://meet.google.com/wip-xeod-hru>

Date	Session 1(10.00-11.30AM)	Session 2 (11.30-1.00PM)		Session 3 (3.00-4.30pmPM)	
27/12/2021	Inauguration 10.00AM -11.00AM)	[Lec-1] Recent Advancement in Additive Manufacturing Prof. Siba Sankar Mahapatra, NIT,Rourkela	L U N C H B R E A K	[Lec-2] Introduction to Welding Process Prof. Ram Naresh Rai, NIT, Agartala	
28/12/2021	[Lec-3] Glass micromachining by Electrochemical Discharge Machining Dr. Pradeep Dixit, IIT Bombay	[Lec-4] Tribology of Metal Matrix Composites Prof. Prasanta Sahoo, Jadavpur University		[Lec-5] Recent Advances in Laser Beam Machining Prof. Biswanath Doloi, Jadavpur University	
29/12/2021	[Lec-6] Micro Manufacturing Dr. Soumya Gangopadhyay, IIT Bhilai	[Lec-7] Recent Advances and Perceptive Insights into Powder-Mixed Dielectric Fluid of EDM Dr. Santosh Kumar Sahu, VSSUT. Burla		[Lec-8] Electrochemical Machining to create Micro tool electrodes Dr. Pradeep Dixit, IIT Bombay	
30/12/2021	[Lec-9] An Exemplary Approach for Production of Multiple Miniature Features at a Stretch using a Single Energy Source based Modern Manufacturing Process Dr. Ranjeet Kumar NITK Surathkal	[Lec-10] Solving the Multi-Objective Problem when Machining In Electro Chemical Machining Dr. Chittaranjan Deo, VSSUT, Burla		[Lec-11] Crossover Processes- Hybrid Machining. Prof. Dipankar Bose, NITTR Kolkata	
31/12/2021	[Lec-12] Fuzzy Logic and its application Dr. Sudhansu Sekhar Panda, IIT Patna	[Lec-13] Genesis of Manufacturing Systems Prof. Bijan Sarkar, Jadavpur University		[Lec-14] Stress Management Prof.Alok.Satapathy, NIT,Rourkela	Valedictory Function (4.30 PM - 5.15PM)