

SARASWATI EDUCATION SOCIETY'S
SARASWATI COLLEGE OF ENGINEERING

DEPARTMENT OF MECHANICAL ENGINEERING

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NEWSLETTER VOLUME 22

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FROM THE HOD'S DESK



Intelligence plus character is the goal of true education.

Mechanical Engineering is the largest of the engineering disciplines and many mechanical engineers go into manufacturing of computer and electronic products, machinery and transportation equipment's. The department cares for student support, mentoring, tutoring, study skills workshops and career development. Mechanical Engineering students culminate their studies with a year-long capstone project requiring design problem solving, creative thinking, project planning



The spirit of improvement is not always a spirit of liberty; for it may aim at forcing improvement on an unwilling people.

and teamwork .broad selection of technical encourages students to pursue special interests in design and manufacturing, energy and environmental issues, thermal and fluid sciences materials, dynamics & control and robotics.

VISION

To emerge as a centre of excellence in academics and research in the field of mechanical engineering.

MISSION

To create professionally competent engineers with analytical and research skills for promoting an environment of continuous learning.

PROGRAMME EDUCATIONAL OUTCOMES (PEO)

- To embed a strong foundation of the Mechanical Engineering fundamentals to identify, solve, analyze and design real time engineering problems as professional or entrepreneur.
- To motivate and prepare students for lifelong learning and research to manifest Global competencies
- To equip students with communication, team work and leadership skills to accept challenges in all facets of life ethically.



PROGRAMME OUTCOMES (PO'S)

- Apply the knowledge of Mathematics, Science and Engineering fundamentals to solve complex Electronics and problems and find appropriate solution leading to valid conclusion.
- Design an electronic system or process to meet specified needs with appropriate attention to health, safety, standards, environmental and societal considerations.
- Create, select and apply appropriate techniques, resources, advanced engineering and software tools necessary to analyze and design telecommunication engineering problems.
- Understand the impact of Electronics and telecommunication Engineering solutions on society and environment for sustainable development.
- Understand societal, health, safety, cultural and legal issues and responsibilities relevant to engineering profession.

- Apply professional ethics, telecommunication engineering Problems.
- Investigate complex Electronics and telecommunication engineering accountability and equity in engineering profession.
- Work effectively as a member and leader in multidisciplinary team for a common goal.
- Communicate effectively within a profession and society at large.
- Appropriately incorporate principles of management and finance in one's own work.
- Identify educational needs and engage in lifelong learning in a changing world of technology.

DEPARTMENTAL EVENTS

Event :- Mangroves Clean up Drive

Date:- 20th March 2021

Event Coordinator:- Sagar Gaikar

This event was organized by Mechanical Engineering Students Association(MESA). In this event we collaborated with mangrove warriors (a social cleaning community) and with a well coordination and maintaining a social distance, we cleaned a total of 3 tonnes of biohazard waste from mangroves located near palm beach road, Vashi.



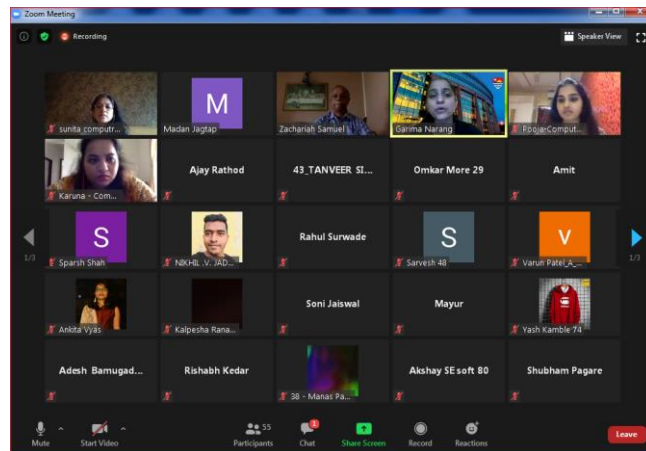
Event: Student Counselling for University of Pisa, Italy.

Event Host:- Pooja Mam

Date:- 22th March 2021

Study abroad cell has kept a student counselling for university of Pisa, Italy.

Many students from various departments participated to make their study abroad dream come true.

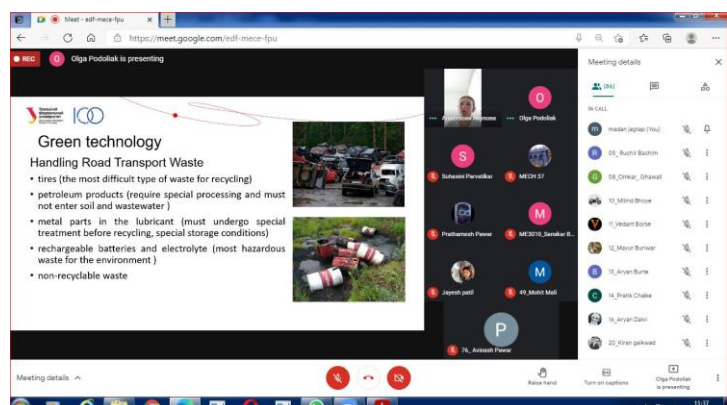


Event: - International Conference

Event Host:- Devkant Baviskar Sir

Date:- 7th May 2021

The Mechanical Engineering Students Association (MESA) held an international Webinar with some consultants given the knowledge of studying abroad.



Event: Students Counselling for Salt Lake University, Canada.

Event Host:- Devkant Baviskar Sir

Date: 14th July 2021

As a predetermined place of study “Canada”.

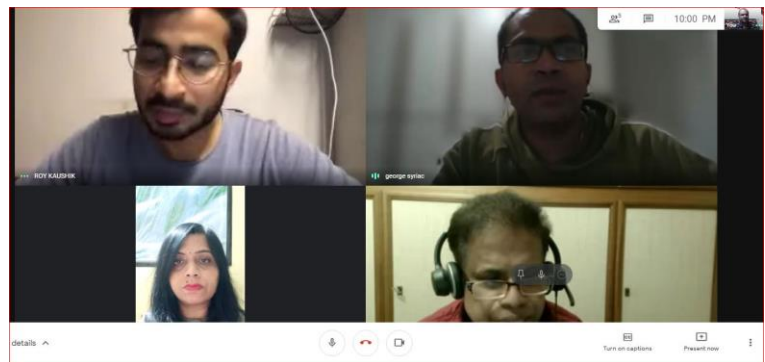
Study abroad cell has also organized a students counselling from a well known university of Canada “ Salt Lake University”



Event: Webinar with MAITRI

Date: 10th August, 2020.

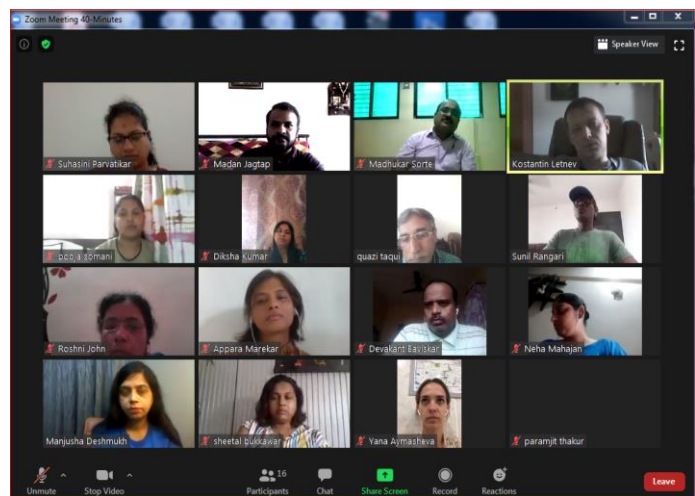
Meeting with Maitri an study abroad cell webinar, Online meeting with Maitri study abroad, Italy. for discussing opportunities for students in Italy and European nations



Event: - International meeting with Ural Federal University, Russia

Date: 22 July 2021

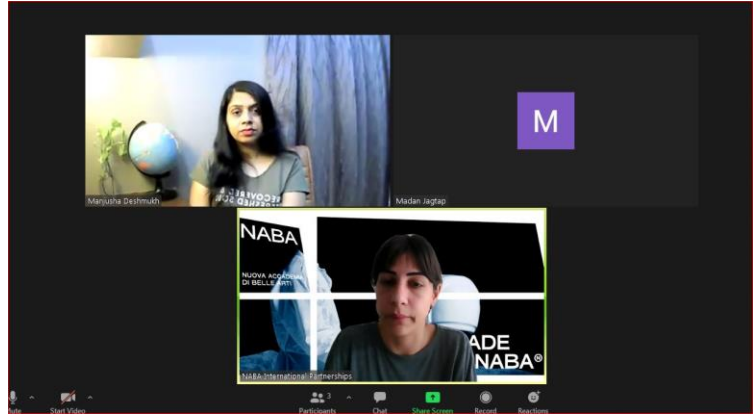
Discussion of HoDs and Deans with International relation Director of Ural Federal University and one faculty coordinator, for International internship at Ural Federal University, Russia.



Event: Online Meeting with NABA

Date: 17th October 2020

NABA an Fashion institute in Italy.
Online meeting with NABA, Italy.
leading fashion design school from Italy
for possible academic Collaboration



Event Name:- Expert Lectures,
Workshops

The Mechanical Engineering Students Association (MESA) brought up an event which gave the students an opportunity to students. Departmental Activities: Expert Lecture, Seminars, Workshops organized for students in AY2020-21
Project Based Learning: AY 2020-21
Newsletter: jul 19-Dec19, jan 20-june 20, Jul 20-Dec 20, Jan 21-Jun 21

A poster for a webinar. At the top, it says 'SARASWATI Education Society's SARASWATI College of Engineering' with the motto 'Learn Live Achieve and Contribute'. Below that, it says 'NAAC Accredited' and 'Approved by AICTE and Affiliated to University of Mumbai, Recognised by Govt. of Maharashtra'. The main text reads 'Department Of Mechanical Engineering Presents a Webinar on Career Opportunities in EPC (Engineering-Procurement-Construction) Companies'. It lists 'Guest Speaker: Industrial Expert', 'Platform: Google Meet App', 'Date: 03/07/2021 Saturday', and 'Time: 11:00 AM'. There is an image of a mechanical component. At the bottom, it says 'Intrested students join our whatsapp group by clicking the 'click here link' below, details of webinar will be forwarded in the whatsapp group.' and a red link 'Click Here...!'. The poster has a gold border and a watermark of a gear and a person.

STUDENTS ACHIEVEMENTS



Indoor Aquaponic farming for medicinal plants:

The medicinal plants like oregano and stevia is successfully grown by mechanical students which has high demand in market.





Biodegradable plates.

These plates are made from waste biodegradable materials like cauliflower leaves, banana stem, dry grass, etc. Which reduces the load of paper products and its sustainable.





Indoor mushroom farming with evaporative cooling

The indoor evaporative cooling helps to grow mushroom in all seasons and increases the productivity at lowest cost



