



Sandip Foundation's
Sandip Institute of Technology & Research Centre,
Mahiravani, Trimbak Road, Nashik - 422 213



**Department of Engineering Sciences and
Humanities**

Date: - 10 /09/2024

NOTICE

All students of the F.Y. B.Tech are hereby informed that the department of Engineering Sciences and Humanities has organized the Expert talk on "Importance of Research in Engineering" on Date 14/09/2024 From 2:50 pm to 5:30 pm.

The Expert talk aims to comprehensive knowledge about examination regulation and protocol. It is compulsory for all students to attend the Seminar.

Rajeev Kumar.

Prof. Rajeev Kumar
Event Coordinator

Prof. J.M. Shah
Head of Dept



Sandip Institute of Technology and Research Centre

At &Po- Mahiravani, Trimbak Road Tal & Dist-Nashik

Phone:(02594)222552,53,54, Fax:(02594)222555

Website:WWW.sandipfoundation.org,e-mail :Principal@sitrc.org

(Approved by-AICTE, New Delhi,& Govt.of Maharashtra and Permanently Affiliated to Savitribai Phule University (Formerly Pune University),Pune.

Accredited with "A" grade byNAAC with CGPA Score of 3.11
NBA Accredited for Computer &Mechanical Engineering (UG Course)
w.e.f 2023-24 to2025-26



SANDIP
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Activity Report of Expert Talk On Importance of Research in Engineering

A.Y. 2024-25



SANDIP
FOUNDATION

(An autonomous institute permanently affiliated to Savitribai Phule Pune University, Pune)

Organized by,

Sandip Foundation's

Department of Engineering Sciences and Humanities Sandip Institute
of Technology and Research Centre, Nashik (MS)

DTE Code: 5109

Date: 14th Sept 2024

Name of Event: Examination Regulations and Protocols

Event Coordinator: Assistant Professor Rajeev Kumar

Participants: F.Y. B.Tech students (ESH Department)

No. of Participants :156

Aim: The aim of this expert talk is to provide a comprehensive understanding of research in engineering which encompasses several key objectives:

- **Innovation and Development:** To create new technologies, processes, or materials that improve functionality and efficiency in various applications.
- **Problem Solving:** To address specific challenges within industries, such as reducing environmental impact, enhancing safety, or improving reliability.
- **Optimization:** To refine existing systems and processes for better performance, cost-effectiveness, and resource management.
- **Theoretical Understanding:** To develop and validate theoretical models that explain engineering phenomena, contributing to the foundational knowledge of the field.
- **Interdisciplinary Collaboration:** To foster collaboration across different engineering disciplines and other fields (like biology, chemistry, and computer science) to tackle complex problems.
- **Sustainability:** To promote sustainable practices and develop technologies that minimize negative impacts on the environment.
- **Education and Training:** To enhance educational methods and materials, ensuring that future engineers are well-equipped to handle emerging challenges.

Through these aims, engineering research seeks to advance technology and improve quality of life.

Activities:

Research in engineering is vital for several reasons, and the activities that highlight its importance include:

- **Technology Development:** Creating new tools, machines, and systems that drive innovation across various sectors.
- **Product Improvement:** Conducting studies to enhance existing products, ensuring they meet modern standards and consumer needs.
- **Safety Enhancements:** Investigating materials and processes to improve safety standards in construction, manufacturing, and other industries.
- **Sustainability Practices:** Researching eco-friendly materials and processes to reduce environmental impact and promote sustainability.
- **Data Analysis:** Utilizing advanced data analytics and modeling to optimize engineering processes and decision-making.

- **Collaboration Projects:** Engaging in interdisciplinary projects that combine expertise from different fields to solve complex engineering challenges.
- **Standardization:** Developing and proposing industry standards and best practices to ensure quality and reliability.
- **Education and Training:** Conducting research to enhance engineering education methods and curricula, ensuring students are prepared for future challenges.
- **Policy Development:** Informing policymakers through research to create regulations that promote safety, innovation, and public welfare.
- **Industry Partnerships:** Collaborating with industry stakeholders to identify real-world problems and develop applicable solutions.

These activities underscore the integral role of research in driving progress, addressing societal needs, and shaping the future of engineering.

Outcomes:

Expert talks on the importance of research in engineering can yield several valuable outcomes:

1. **Increased Awareness:** Participants gain a deeper understanding of the role research plays in technological advancement and societal progress.
2. **Inspiration for Innovation:** Motivates attendees to pursue innovative ideas and projects, sparking creativity and problem-solving.
3. **Enhanced Skills:** Provides insights into current research methodologies, tools, and techniques, equipping participants with practical skills.
4. **Industry Insights:** Offers perspectives on emerging trends and challenges in various engineering fields, guiding future research directions.
5. **Career Development:** Helps students and early-career professionals understand potential career paths and the importance of research in advancing their careers.
6. **Interdisciplinary Collaboration:** Encourages partnerships across different engineering disciplines and related fields, fostering holistic approaches to problem-solving.
7. **Commitment to Lifelong Learning:** Instills the value of continuous learning and adaptation in a rapidly changing technological landscape.
8. **Public Engagement:** Raises public awareness of engineering research and its impacts, potentially leading to increased funding and support for future initiatives.

These outcomes collectively strengthen the engineering community and contribute to the advancement of the field.

Summary of Program:

An expert talk on the importance of research in engineering emphasizes its crucial role in driving innovation and addressing complex societal challenges. It highlights how interdisciplinary collaboration can lead to practical solutions across various industries, such as healthcare, energy, and transportation. The discussion often focuses on the development of sustainable practices and technologies that minimize environmental impact while showcasing emerging trends that engineers must stay informed about. Additionally, the importance of integrating research into engineering education is underscored, preparing students for future careers. The talk also addresses the influence of research on policy-making, advocating for evidence-based decisions that enhance public welfare. Ultimately, the session aims to inspire attendees to value research as a cornerstone of engineering practice, fostering networking opportunities and collaboration within the community. integrity, consistency, and accountability.

Photographs:



Felicitation of Dr. Chandramani Yadav, Assistant professor, Department of Mechanical Engineering by Prof. B. Partil, Assistant Professor Department of Civil Engineering



Resource Person is delivering lecture

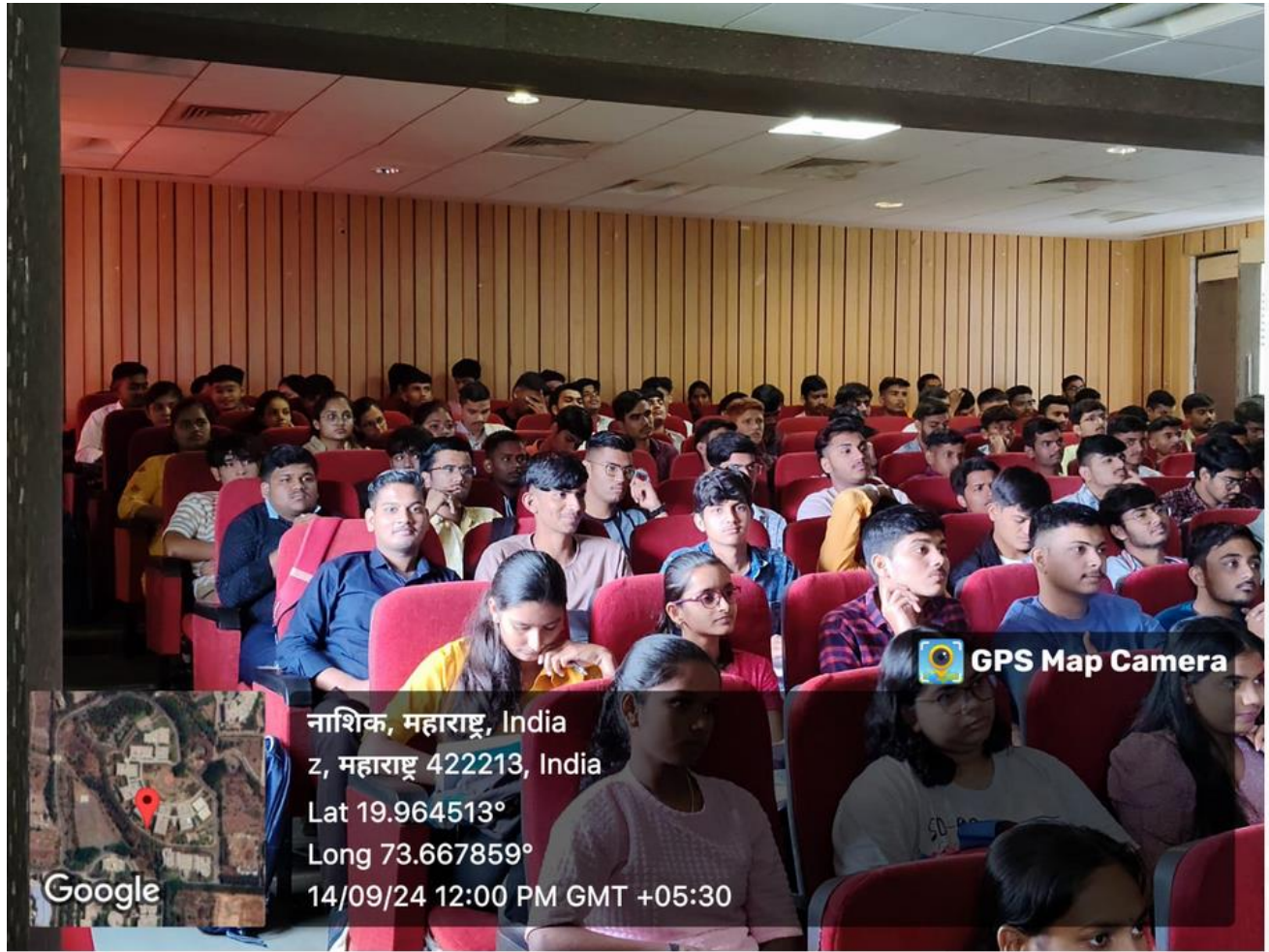


Photo: - Students attended expert lecture

Participants during Lecture

Assistant professor

Rajeev Kumar.

Prof. Rajeev Kumar
Event Coordinator (ESH)

Prof. J. M. Shah
HOD, ESH

Prof. (Dr.) Amol D Potgantwar
Principal SITRC





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CGPA Score: 3.11

INDUCTION PROGRAMME F.Y. B.TECH

Department of Engineering Sciences & Humanities

Group :

expert talk on

A.Y. 2024-2025

DATE :

14/09/24

Name of Event :

'Importance of Research in Engineering'

SR. NO.	NAME OF THE STUDENT	BRANCH	SIGNATURE
1	Chaitanya Brijesh Kale	I.T	Kale
2	Rashah Sahay Dhanraj	C.S	Rashah
3	Pratibha Hemant Desale	IT	Pratibha
4	Nitesh R. Rajesh Chaudhari	C.E	Nitesh
5	Sakshi hemant Jadhav	C.E	Sakshi
6	Yunisha Dinesh Sonawane	C.E	Yunisha
7	Sayali Sandip Kshirsagar	AIML	Sayali
8	Mansi Nilin Jadhav	AI & DS	Mansi
9	Samruddhi Kailas Khomde	electrical	Samruddhi
10	Ruchita Jaywant Dhangada	Electrical	Ruchita
11	Vaibhavi Umesh Dhadi	Mechanical	Vaibhavi
12	Shamari Rajesh Gajbhiye	C.E	Shamari
13	Mrunal Dipak Ahire	C.S	Mrunal
14	Darshita Sanjay Bahikar	CE	Darshita
15	Vrushali Shivaji Vhage	CE	Vrushali
16	Sneha Chembas Vagalkar	CS	Sneha
17	Swati Chandramani Dongare	C.E	Swati
18	Renuka Dipak Palil	C.E	Renuka
19	Tanvi Lakshman Cravit	C.S	Tanvi
20	Vedika Rakesh Kurhe	C.E	Vedika
21	Harshada Balu Bhor	IT	Harshada
22	Riya Gangurde	AIDS	Riya
23	Mounali Dagaadu Sonawane	Civil	Mounali
24	Toushika Nilesh Gokhale	A & R	Toushika
25	Durva Prakash Reves	A and R	Durva
26	Vedika Dattatray Ingole	C.S	Vedika
27	sneha Madhavrao Pawar	ETC	Sneha
28	Koli Dipali Sandip	A & R	Koli
29	Geetha Sugesh	C.E	Geetha
30	Saushiti Pravin Nawarkar	I-T	Saushiti
31	Mohini Chandrakant Duscane	IT	Mohini
32	Aarti Ashok Shid	C.E	Aarti
33	Shradha D. Jadhav	Mech. Eng	Shradha
34	Sakshi Narendra Chavan	Mech. Eng	Sakshi
35	Ankita Dhananjay Mhawadhune	C.E	Ankita
36	Rimzim Prashant Sharma	C.E	Rimzim
37	Komal Ramdas Khairnar	C.E	Komal
38	Jejinkar Samruddhi Chandrabhan	Mechanical	Jejinkar
39	Riya Nandu Sonawane	C.E	Riya

40	Aditi Mahadev Palve	C.E	Aditi
41	Vaishnavi Dattatray Vaidya	C.S	Vaishnavi
42	Snehal Rameshwar Mandhare	C.F	Sny
43	prerna mhasur Gaurud	A.T.D.S	Prerna
44	Priya sitaram Gholap	I.T.	Priya
45	Ashwini Ashish Kolhe	Mechanical	Ashwini
46	Gautami Sandip Bhosale	I.T	Gautami
47	Sakshi Gorakshnath Tikkal	I.T	Sakshi
48	Vishakha chandraashekhhar Mittkar	C.E	Vishakha
49	Gauri Kiran Godep	C.S	Gauri
50	Shagun santosh Killekar	C.E	Shagun
51	Trupti Gajmal	C.E	Trupti
52	Pratiksha Madhav Dandale	I.T	Pratiksha
53	Somruddhi yogesh Ksbatriya	A.I.D.S	Somruddhi
54	Shravyashree Manoj Surve	C.S	Shravyashree
55	Somesh kishor shinde	C.E	Somesh
56	Rohit kumar	C.E	Rohit
57	Aniket Pratiksh Bhongar	A.T & M.L	Aniket
58	Grawande Santket	C.E	Grawande
59	Aditya Bhaskar Sonar	E&TC	Aditya
60	Omkar Vijay Chaugule	AIDS	Omkar
61	Krunal J. Patil	C.E	Krunal
62	Parth S. Patil	C.E	Parth
63	Om Parnal Shinde	AIDS	Om
64	Sarthak deshmone	AIDS	Sarthak
65	Soham Kavar	AIDS	Soham
66	Darshan Mahendra Patil	C.S	Darshan
67	Koran Sanjay Male	C.F	Koran
68	Anuj Vishal Rathod	C.S	Anuj
69	Milim zitya Govit	C.E	Milim
70	Sanchi Sanchi Bhalesar	E&MTC	Sanchi
71	Manasi Pankaj Patil	IT	Manasi
72	Swati Ramchandra Zambare	AIDS	Swati
73	vaibhar Haxi Gattar	C.S	Vaibhar
74	Sumit Shantaram laharage	Mechanical	Sumit
75	Rutik Vijay Chaudhari	A.T./D.S	Rutik
76	Sumit S. Bhandare	C.F.	Sumit
77	Prathmesh Pradeshi	C.E	Prathmesh
78	Shubham Radheshyam Kangle	A.T.S.D.S	Shubham
79	Shubham Rajabhai Banerake	A.T & M.L	Shubham
80	Atharv Baban Kalede	C.E	Atharv
81	Kunal shankar Prajapati	AIDS	Kunal
82	Koran Santosh Klagh	AIDS	Koran
83	Satyam Ramesh Pimple	AIDS	Satyam
84	shubham namdev mule	A.T.D.S	shubham
85	Abhishek Narayan Hivale	C.F.	Abhishek
86	Kausheeb Bhosale Solanke	E&TT	Kausheeb
87	Mohit Mohan Patil	E&TC	Mohit
88	Bhushan Eknath Khandbhale	Electrical	Bhushan
89	chetan deepak Gawali	C.E.	chetan
90	Dhale Rohit Papat	E & T.C	Dhale
91	Adarsh Pandey	C.E	Adarsh
92	Rupesh Dhale	IT	Rupesh
93	Harshad Sandip Kale	C.E.	Harshad
94	Prathamesh Rajendra Chavan	C.F	Prathamesh
95	Mayur Vitthal Shirsath	C.S	Mayur
96	Yash Bhaktaraj mahajan	C.E.	Yash
97	Sarthak Dhananjay Gite	A.T & D.S	Sarthak

98	Ashwary Sudhakar Khachane	AI & DS	Ashwary
99	Soham Sanjay walke	AI & DS	Soham
100	Shubham Bhausaheb Raut	AI & DS	Raut
101	Dhananjay Shyam Kumavat	AI & DS	Dhananjay
102	Jondhale Shubham Shiraji	AI & DS	Jondhale
103	Kalhal Palu Nargale	AI & DS	Kalhal
104	Atharv Manoj Kothawade	E & TC	Atharv
105	Prathmesh Pardeshi		
106	Rushikesh R. Zambare	C.E	Rushikesh
107	Shivam J. Pangore	C.E	Shivam
108	Uday Manjesh Pawar	AI & DS	Uday
109	Pranav Dnyaneshwar Shinde	E & TC	Patanilal
110	Yash Bharat Padghan	C.E	Padghan
111	Sachin Ajayrao Tadde	Mechanical	Sachin
112	Mahesh S. Tadde	C.E	Mahesh
113	Pratik Prasad Undare	AI and ME	Pratik
114	ABHAY GANESH ASKAND	MECHANICAL	Abhay
115	Hitesh Ganesh Badgwar	Mechanical	Hitesh
116	Atharva Vijayrao Suryasingh	Mechanical	Atharva
117	Prince Muna Yadav	Mechanical	Prince
118	OM A Thote	C.S	OM
119	Nikhil B Jagtap	C.S	Nikhil
120	Sankat Vikram Somawane	Civil	S. Somawane
121	Nitin Gajanan Khillare	C.S	Nitin
122	HARDE ANIKET SANDIP	C.E	Harde
123	Ajay Madhukar Kharat	C.E	Ajay
124	Darshan. Jagesh. Jagad.	C.E	Darshan
125	Siddharth Kale	C.E	Siddharth
126	Vaibhav Subhash Khillare	C.E	Vaibhav
127	Askand Karan Kalyan	C.E	Askand
128	Himanshu Udaykumar Pawar	C.S	Himanshu
129	Sankat Jagdish Akher	C.E	Sankat
130	Ganesh Santosh	AI & ML	Ganesh
131	Ajay Kumar	C.E	Ajay
132	Vivek Prasad Kakad	C.E	Vivek
133	Ganesh Vijaykumar Gane	C.E	Ganesh
134	Shubham D. Chavhan	C.E	Shubham
135	Kalpesh Prakash Pawar	C.E	Kalpesh
136	Rutik Vijay Chaudhari	AI & DS	Rutik
137	Divya Rakesh Mahajan	ATML	Divya
138	Pallavi Dayanand Pegalmode	C.E	Pallavi
139	Snehal Kirtansingh Shinde	C.E	Snehal
140	Sugandhi Sagare Patil	ATML	Sugandhi
141	Bhakti Kisun Suryawanshi	AIMI	Bhakti
142	Ragini Prashant Patil	AIMI	Ragini
143	Gayatri Dalish Vadkar	E & TC	Gayatri
144	Gaurav Dattatray Jondhale	C.E	Gaurav
145	Samarth Sunjay Kale	C.S	Samarth
146	Gaurav Dnyanesh Navale	C.E	Gaurav
147	Ellen Anil Sutar	ATML	Ellen
148	Sadip Rajesh Shese	IT	Sadip
149	Shubham Rajendra Patil	C.E	Shubham
150	UMESH JITENDRA LONDHE	C.E	Umesh
151	HARSH SINGH	C.E	Harsh
152	Nitin Khillare	C.S	Nitin
153	HARDE ANIKET SANDIP	C.E	Harde
154	Nikita Sandip Bhausa	AI & DS	Nikita
155	Gayatri Vihod Pawar	Electrical	G.v. Pawar

156	Monalisa Hemlal chaudhari	C.S.	(M)Harbhaw
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