

Report On
Online Two Week's Faculty Development Programme
on
“Entrepreneurship Development”
From
15th March 2021 to 27th March 2021
Held at
Sandip Foundation's
Sandip Institute of Technology and Research Centre, Nashik

Organized by



Innovation and Entrepreneurship Development Cell (IEDC)

Funded by



Department of Science and Technology
Ministry of Science & Technology
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About Sandip Foundation, Nashik

With this great mantra as our guiding light, Sandip Foundation has been illuminating lives through education over the last one decade. Our active contributions towards the realms of Engineering, Management, Science, Arts, Pharmacy, and Polytechnic Studies have helped shape many successful careers. Our colleges are among the best colleges in Maharashtra and the prestigious affiliations with the All India Council of Technical Education and the Pune University bear testimony to this fact. With our education system that matches global standards, we endeavour to give a rewarding and fulfilling experience to our students. The best education leads to all-round development of an individual. We also stress on the importance of extra-curricular activities and conduct various sports and cultural events through the year. Comprehensive development is achieved with strong emotional quotient and personal grooming. The excellence our students imbibe reflects in their personal and professional lives.

The foundation of Sandip Foundation was laid in Nashik, Maharashtra, over a sprawling 200-acre plot. The lush green city provides a beautiful backdrop to the campus. The campus houses Top Engineering Colleges in Maharashtra and is state-of-the-art with Wi-Fi, fully-equipped laboratories, a library with RFID technology, a computer centre, and a wholesome cafeteria.

The aim behind all our co-curricular and extra-curricular activities is to provide an impetus for young minds to explore other possibilities while they pursue their individual disciplines. It is our belief that education should not be bound. Only then will our students reach their pinnacle of talent and passion. Our focus will always remain on raising efficient, confident and highly knowledgeable engineers, managers and entrepreneurs with global thinking and a futuristic mind set. I expect all my students to have a champion's attitude and an unquenchable thirst for knowledge. "Sandip" is a Sanskrit word that means "pure flame". With this pure flame of education, we aim to bring in the light of knowledge to the entire humanity and remove the darkness of ignorance. We strive to provide one and all with a sound education and lay open to them a gateway to greatness.

About Sandip Foundation's

Sandip Institute of Technology and Research Center (SITRC), Nashik

Sandip Institute of Technology and Research Center (SITRC), the top engineering colleges in Nashik, Maharashtra is established in 2008 and is approved by All India Council for Technical Education, New Delhi Government of India and affiliated to Savitribai Phule University of Pune. The Institute is an ISO 9001:2008 Certified which provides uncompromising quality infrastructure (Faculty & facilities simply world class).

Awards:

1. Hon. Chairman Dr. Sandip N. Jha has been awarded Yashokirti Award by Computer Society of India (CSI) in 2014.
2. Hon. Chairman Dr. Sandip N. Jha has been awarded the prestigious Educator Serving the Community in India Award by ET Now. (National Education Leadership Award.)
3. Hon. Chairman Dr. Sandip Jha has been awarded with Outstanding Contribution towards Society in 2014.
4. Sandip Institute of Technology and Research Centre, Nashik appreciated for "Nashik Marathon" from Nashik City Police (Maharashtra Police Department (MPD)) on 12th February 2017.
5. Prof. (Dr.) Sanjay T. Gandhe, Principal, SITRC Nashik was recognized as IEEE Senior Member by The Institute of Electrical and Electronics Engineers (IEEE) for Personal and Professional Commitment to the Advancement of Technology on 22nd April 2017.
6. Prof. (Dr.) Sanjay T. Gandhe, Principal, SITRC Nashik has been awarded with Adarsha Shikshak in Engineering category by SAVANA Nashik.
7. Dr. Gaytri M. Phade, Head (E&TC), SITRC Nashik was awarded for Contribution to the Field of Education by Miradaya Social and Educational Society, Nashik during Gyanjyoti Savitribai Phule Gaurav Sohala on 3rd January 2017.
8. Prof.(Dr.) Sanjay T. Gandhe, Principal, SITRC Nashik was honored as best Principal/Director Award by Education Expo TV Research & Branding Company on 11th June 2016.
9. Sandip Institute of Technology and Research Centre, Nashik was awarded by prestigious "Shiledar Puraskar" for Contribution to Smart City Abhiyaan from Nasik Municipal Corporation (NMC), Nashik (Maharashtra).
10. Sandip Institute of Technology and Research Centre, Nashik recognize as college of substance for providing technical solutions to social problems by Natarajan Education Society (NES), Pune.

Ranking and Awards:

1. i3RC -Times Engineering Joint Survey on Top 50 Institutes – Research Capability has ranked ‘Sandip Institute of Technology & Research Centre (SITRC)’ 43rd (all over India).
2. Ranked 32nd in All india B-school ranking by Silicon India 2016.
3. Ranked 7th in West Zone by silicon India 2016.
- 4 Ranked 9th in Academic excellence among B-schools in India in 2016 by Silicon India.
5. Ranked 10th in “Industry Interface” among B-Schools in India in 2016 – by Silicon India.
6. Ranked 33th in “Top Engineering 100 College” among Engineering College in India in 2016 – by SiliconIndia.
7. Best Clean Green Campus Award for Sandip Foundation by Indian Society for Technical Education (ISTE), New Delhi, 2016
8. Ranked 12th in I3RC – by Times of India survey 2015.
9. Sandip Foundation’s Sandip Institute of Technology and Research Centre, ranked Eight 8th among top 10 Indian Applicants for Patent from Scientific & Research Development Organization, 2015-2016
10. Sandip Foundation’s Sandip Institute of Technology and Research Centre, ranked fifth 5th among top 10 Indian Applicants for Patent from Institute & Universities, 2014-2015.
11. Ranked 33rd in TOP 100 MBA Institutes in INDIA in 2015 – by Silicon India.
12. Ranked 9th in “Academic Excellence” among B-Schools in India in 2015 – by Silicon India.
13. Ranked 10th in “Industry Interface” among B-Schools in India in 2015 – by Silicon India.
14. Ranked 7th in “Infrastructure” among B-Schools in India in 2015 – by Silicon India.
15. Ranked 39th in TOP 100 MBA Institutes in India in 2014 – by Silicon India.
16. Ranked 9th in “Academic Excellence” among B-Schools in India in 2014 – by Silicon India.
17. Ranked 8th among “Top 10 Emerging B-Schools in India” in 2013 – By Silicon India.
18. Recipient of 20th National Level “The Best Business School- Dewang Mehta Education Leadership Award-2012”.
19. Ranked 92nd amongst B-school and Management Institutes in India and topped in North Maharashtra Region in 2011- By the WEEK.
20. Institute’s SWAYAM-NPTEL Local Chapter recognized as an Active Local Chapter for three semester from IIT, Madras.

About Innovations and Entrepreneurship Development Cell (IEDC)

Objectives of the IEDCs:

1. To act as an institutional mechanism for providing various services including information on all aspects of enterprise building to budding S&T entrepreneurs.
2. To create Entrepreneurial culture in the Parent Institution and other institutions in the region and to promote the objectives of NSTEDB, including programmes related to women and weaker sections of the society.
3. To inculcate a culture of innovation driven entrepreneurship through student projects.
4. To catalyse and promote development of S&T knowledge-based enterprises and promote employment opportunities in the innovative areas.
5. To respond effectively to the emerging challenges and opportunities both at national and international level relating to SMEs and micro enterprises.

Functions of IEDCs:

1. To organise Entrepreneurship Awareness Camps, Entrepreneurship Development Programmes, Faculty Development Programmes and Skill Development Programmes in the college/institution for the benefit of S&T persons.
2. To initiate five innovative student projects each year for new innovative product development.
3. To organize Business Plan Competitions every year.
4. To guide and assist prospective entrepreneurs on various aspects such as preparing project reports, obtaining project approvals, loans and facilities from agencies of support system, information on technologies, etc.
5. To arrange interaction with entrepreneurs and create a mentorship scheme for student entrepreneurs.
6. To facilitate creation of entrepreneur's club in each college to foster culture of entrepreneurship amongst students
7. To act as a Regional Information Centre on business opportunities, processes, technologies, market, etc. by creating and maintaining relevant data bases.
8. IEDCs would also sensitise the management of the institutions regarding the importance of entrepreneurship and integrate their activities with the Host Institutions.

Outcome of IEDC Cell:

SITRC received the sanction of grant of Rs. 45, 20,000 from NBE, DST, Govt. of India for setting Innovation & Entrepreneurship Development Cell (IEDC) for encouragement for Staff & Students to nurture Entrepreneurship skills so to focus on third edge of Graduation Outcome. Through this grant till date outcomes are: Funded Projects - 25, IPR Filed - 08, Products - 05, Start-up's – 10.

1. Startup idea “**Eternox Innovations**” of Sandip Institute of Technology and Research Centre, Nashik won the MITAOE's E-Summit '21' Envision and SEED FUND upto 20K.
2. Sandip Institute of Technology and Research Center (SITRC), Innovation & Entrepreneurship Development Cell (IEDC) received the sanction grant of Rs.2,00,000 from DST, Govt. of India. Under which we have conducted Two Weeks' **Faculty Development Programme** On “Entrepreneurship Development” from dated. 15th March 2021 to 27th March 2021 and Four

Weeks “**Women Entrepreneurship Development Program**” dated, 8th March 2021 to 4th April 2021. We have received overwhelming response from all over India.

About Sandip™ Technology Business Incubator (TBI)

SANDIP™ (Startup Assets Nurturing through Diversified and Innovative Platforms)

SANDIP™ TBI is set up to promote innovation and entrepreneurship by converting and translating technology ideas and innovation in various disciplines of science and engineering into products, processes and services for commercial exploitation and the benefit of community. To accomplish its goal, SANDIP™ runs Technology Business Incubator (TBI) managed by SANDIP Incubator Association (*A Section 8 Company CIN: U73200MH2018NPL312509*) supported by Ministry of Electronics & Information Technology, Govt. of India under MeitY Startup Hub TIDE 2.0 by a grant-in-aid of Rs. 1.70 Crores “(Ref No. MeitY/IPR/TIDE/16(1)/2017 dated 01.02.2019) at SANDIP™ Institute of Technology and Research Center to facilitate incubation of new enterprises with innovative technologies by admitting them in TBI and providing them physical, technical and networking supports and services like Prototyping Support, Accelerator Program, Professional Services, Incubation and Seed Funding (from VC firms, Angel Investors).

Through this **SANDIP TBI Nashik** provides financial support to the following startups for Year 2020-21 under MSH hub TIDE 2.0 programme in the areas, Health Care, Agriculture, Financial inclusion including digital payments, IT/ITES/Internet of Things, AI/ML.

1. Duende Ingenious LLP – Rs.4 lacks
2. Management Forum – Rs.4 lacks
3. Payveb Resources PVT. LTD – Rs.7 lacks
4. Drishte – Rs.7 lacks

Major external assignments executed:

1. Honored by MHRD Innovation Council (MIC), Govt. of India to setup Institution’s Innovation Council (IIC) with essential stakeholders of ecosystem.
2. Initiated the REVATI (Rural Empowerment and Vamping of Agriculture and Tribal Innovations) Cell
3. Collaborated with BARC, DAE, Govt. of India under AKRUTI (Advanced Knowledge and Rural Technology Implementation) for improvising Techno-Rural Entrepreneurship - Adopted 6 technologies for Research and Development.
 - Soil Organic Carbon Detection Testing Kit (SOCDTK)
 - Foldable Solar Dryer

- Domestic Water Purifier
- Nano composite Ultrafiltration Membrane Device For Domestic Drinking Water W.R.T Arsenic, Iron and Microbial Contaminations
- Mass multiplication medium of Bio fungicide Trichoderma spp.
- Micro fine Neem Bio pesticides

4. Received honor from MHRD, Govt. of India for participating in Unnat Bharat Abhiyaan 2.0. Fetched grant of Rs. 1,00,000/- under the scheme – Adopted 6 villages Mahirawani, Belgaon-dhaga, Wasali, Talegaon-Anjaneri, Jategaon and Shirasgaon-Trymbak on challenge more to solve the issues through technological intervention. Major Focus on following themes:

- Organic Farming
- Water Management
- Energy Sources
- Artisans, Industries livelihood
- Basic amenities

5. Cultivated the essentials of Innovation and Entrepreneurship into Engineering Education in association with Entrepreneurship Development Institute of India (EDII), Ahmadabad - Received grant of Rs. 6,90,000/- from Entrepreneurship Development Institute of India(EDII), Ahmedabad, Government of India, for conducting EAC, FDP & TEDP.

6. Worked for encouraging for improvement in filing various IPRs through Industry-Academia Synergy-Sanctioned grant of Rs. 2,20,000/- from Department of Electronics and Information Technology, Ministry of Communications and IT, Government of India, Proposal No : IPR_principal_60208 awareness workshop, Dated. 02/06/2016.

Details of Product Developed under TBI:

1. Cashless Sanitary Napkin Vending Machine with IPR Application No. 201821004599
2. Virtualization by Integrated Lightweight Development Tool (VILD) For Multimedia Applications Indian Patent Filed with IPR Application No. 201821012207
3. Double Pole Electromagnetic Engine Indian Patent Filed with IPR Application No. 201821012144

REPORT ON FDP

Objectives of Programme:

Faculty Development Programme (FDP) aims at equipping teachers/trainers with skills and knowledge that are essential for inculcating entrepreneurial values in students, guiding and monitoring their progress towards entrepreneurial career

About Event:

Faculty Development Programme (FDP) is designed to train and develop professionals in entrepreneurship development so that they can act as resource persons in training, teaching, guiding and motivating young S&T persons to take up entrepreneurship as a career choice. FDPs provide inputs on process and practice of entrepreneurship development, communication and inter-personal skills, creativity, problem solving, achievement motivation, resources available and all aspects of entrepreneurship.

Outcome of the Programme:

Faculty participants from all over state participated for this event

Number of Participants: 83 (Male-49 & Female-34)

Name of Programme Coordinator:

Prof. Ankita V. Karale, Assistant Professor, Department of Computer Engineering

Prof. Swati R. Khokale, Assistant Professor, Department of Information Technology Engineering

Prof. Prajakta Kokate, Assistant Professor, Department of Information Technology Engineering

Prof. Jagdish A. Patel, Convener-IEDC, SITRC, Nashik

Following is the brief summary of the programme conducted.

The programme started with the inaugural address on 15th March 2021 in the presence of chief guests Mr. Annam Thyagaraja Kishore EX-IAF TECH. OFFICER, Guest of Honor, Mr. Avinash Thakur, Chief Executive Officer, AIC-Pinnacle, Pune, special guest invitee Mr. Prasad Menon, DST Observer, Dr. S.T. Gandhe, Chairman-IEDC & Principal SITRC, Prof. (Dr.) Gayatri M. Phade, Mentor, IEDC, SITRC, Nashik.

Dr. S.T. Gandhe, Chairman-IEDC & Principal SITRC briefed about Sandip ecosystems and its activities in the field of entrepreneurship development.

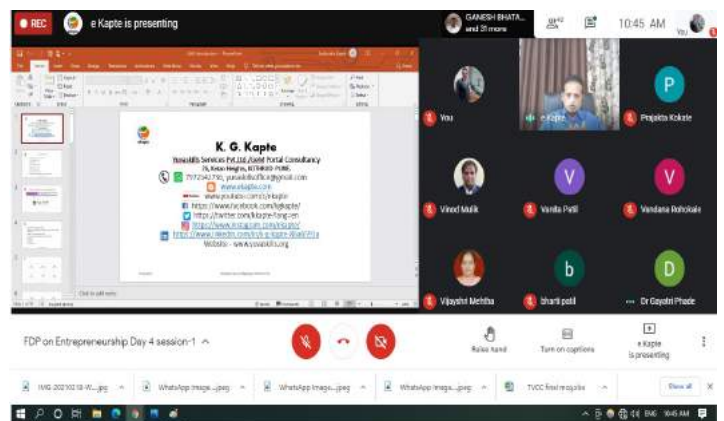
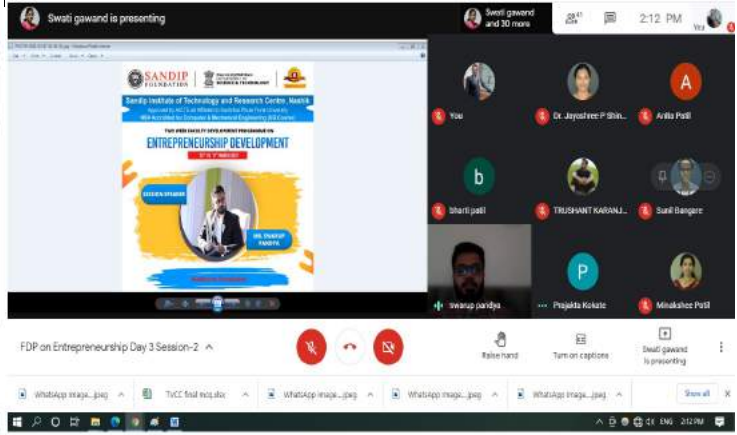
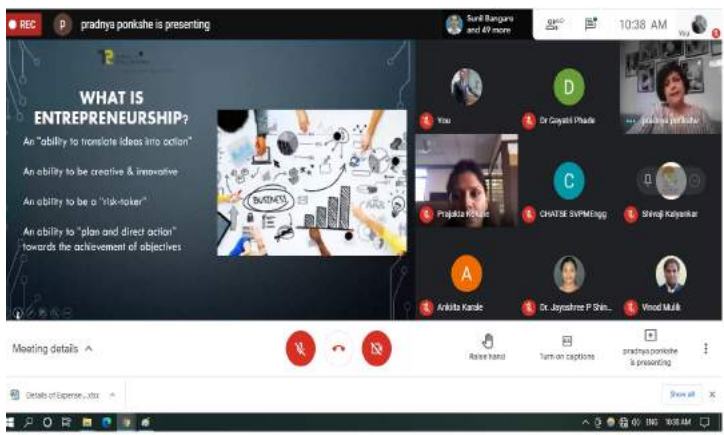
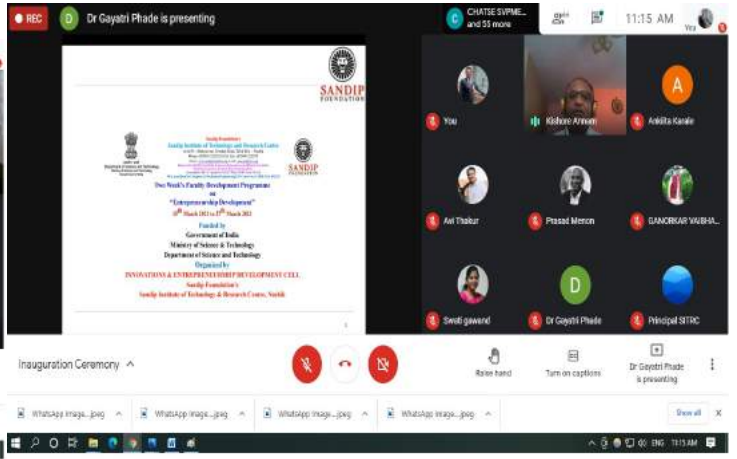
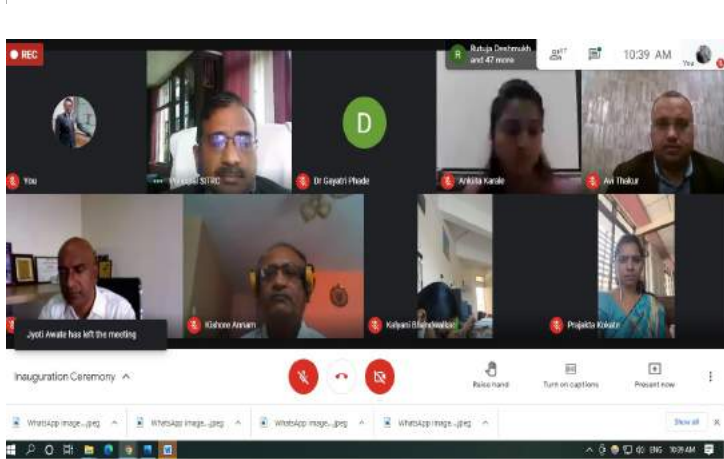
Event Convener Prof. (Dr.) Gayatri M. Phade, HOD E&TC & Mentor IEDC briefed the participants about the structure, design of the programme and spelt out the expectations of the organizers from the participants.

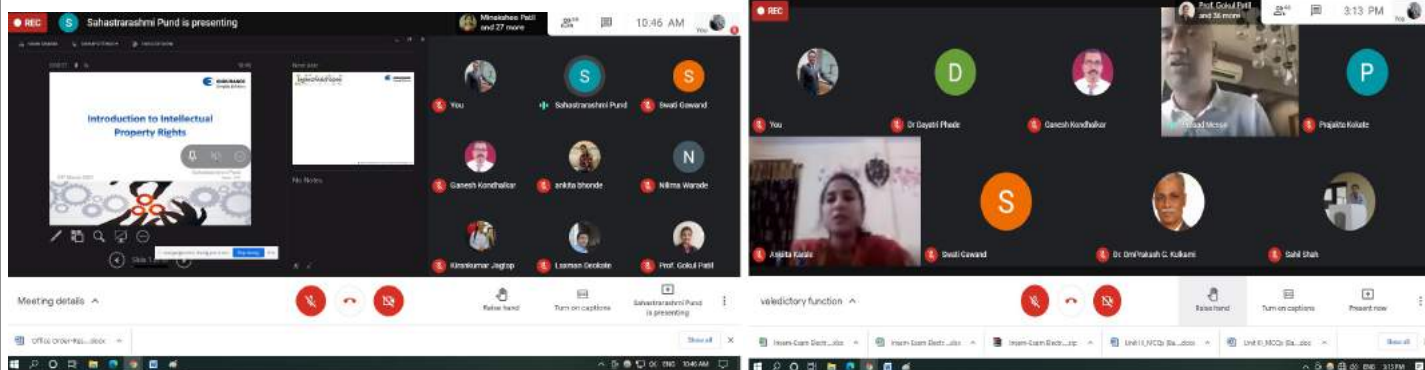
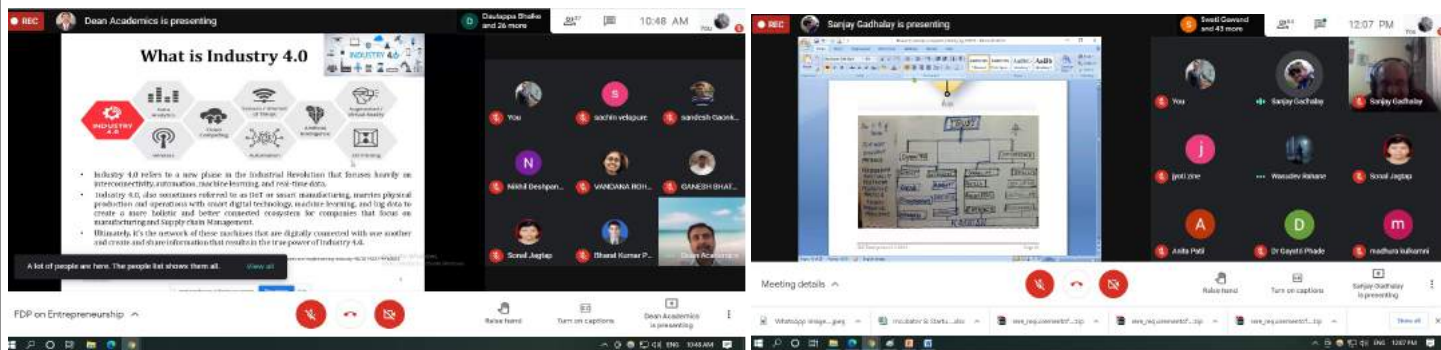
By the permission of dignitaries of the programme we have conclude the inaugural function of FDP and started the session as per the schedule.

Also the programme was conclude with Valedictory function on 27th March 2021 in presence of Chief Guest, Dr. Omprakash Kulkarni, Scientist, Mentor, Adviser, Technology Provider & Consulting Engineer in Automation, Instrumentation, Energy Management, IPR, CDM & Renewable Energy Innovations, Nashik and special guest invitee Mr. Prasad Menon, DST Observer.

We are very much thankful to DST, Govt of India and Dr. Naveen Vasishta sir, Scientist F Department: NEB Division, Government of India for providing such a great support.

PHOTOGRAPHS





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Prof. Jagdish Patel
 Joint Programme Coordinator
 Convener-IEDC, SITRC, Nashik

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Prof. (Dr.) Gayatri M. Phade
 Mentor - IEDC, SITRC, Nashik

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Prof. (Dr.) Sanjay T. Gandhe
 Principal and Chairman-IEDC, SITRC, Nashik

