

## Yashoda Technical Campus, Satara Institution's Innovation Council (IIC)





## Annual Report

**IIC Number** 

IC202220279

**IIC Institute Name** 

YSPM's Yashoda Technical Campus, Satara

Duration

Sep 2023 to Aug 2024

Signatures:

Prof. Vasim B. Maner Convener, IIC YSPM's Yashoda Technical Campus, Satara

Dr. Santosh S. Itraj IIC Vice-President YSPM's Yashoda Technical Campus, Satara

Dr. Vikram S Patil
Principal,
YSPM's Yashoda Technical
Compus, Satara





#### Institution's Innovation Council (IIC)





#### A. About IIC Institute

#### · Vision / Mission of IIC established at the Institute

Yashoda Technical Campus (YTC), Satara, is one of the leading engineering colleges in Satara, established in 2011, under the guidance of Yashoda Shikshan Prasaarak Mandal (YSPM), Satara. YSPM is dedicated to providing a comprehensive professional environment for engineering and management students, with a focus on academics, industry-oriented training, sports, social, cultural, co-curricular, and extracurricular activities. The institution aims to produce aesthetically sensitive, socially committed, and technologically competent engineers and management professionals. It is approved by the All India Council for Technical Education (AICTE), New Delhi, and the Directorate of Technical Education (DTE), Mumbai, and is affiliated with Dr. Babasaheb Ambedkar Technological University, Lonere, Mumbai, with a NAAC accreditation of B+.

#### Vision of the YTC-IIC

Through innovative activities and contributions to the country's social and economic advancement, YTC Institution's Innovation Council (IIC) aims to be a leader in fostering an ecosystem and culture that support start-ups and innovation.

#### Mission of the YTC-IIC

To be a leading institute in developing a culture of Start-up, innovation and encouraging students to participate in activities like idea and experience sharing, networking, mentoring, innovation, and start-up incubation to create an atmosphere that nurtures future business owners.

#### · Journey of IIC established at the Institute

The YTC Institution's Innovation Council (IIC) was established in the academic year 2022-2023 and is currently in its second year of operation. Since its inception, IIC has been actively working towards creating an innovative and entrepreneurial environment at the institute. It organizes various activities to promote start-up culture, innovation, and entrepreneurial skills among students. In its first year, IIC successfully laid the foundation for a thriving innovation ecosystem through workshops, seminars, and networking events. Moving forward, it aims to further strengthen industry linkages and mentorship opportunities for aspiring entrepreneurs.

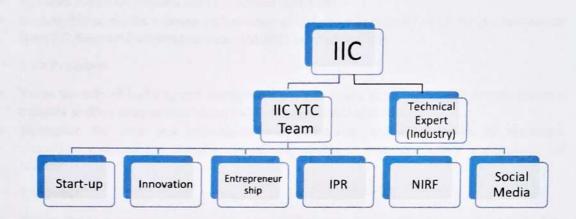


#### Institution's Innovation Council (IIC)





 Diversified representation in the IIC established at the institute from industry, Interdisciplinary & Departments/ Units etc.



The YTC Institution's Innovation Council (IIC) is structured to adoptive innovation and entrepreneurship within the institution. The council comprises an IIC YTC Team and Technical Experts from the industry, ensuring a well-rounded approach to support innovation. The IIC YTC Team is divided into key focus areas: Start-up, Innovation, Entrepreneurship, Intellectual Property Rights (IPR), National Institutional Ranking Framework (NIRF), and Social Media. The Start-up and Innovation divisions focus on nurturing new business ideas and technological advancements. The Entrepreneurship division supports students in developing entrepreneurial skills and business acumen. The IPR section works to create awareness about intellectual property and its significance in safeguarding innovations. NIRF activities are aligned with improving the institutional ranking through innovation-driven initiatives. The Social Media team is responsible for promoting IIC activities and achievements, ensuring outreach and visibility.

In addition, the involvement of a Technical Expert from the industry provides practical insights and mentorship to students, bridging the gap between academics and industry practices. The collaborative efforts of all these divisions aim to create an effective ecosystem for start-ups and innovation at YTC





#### Institution's Innovation Council (IIC)





### B. Brief mention of key functionaries at the IIC Institute

- · President
- Holds an important position and is in contact with MIC
- Responsible to ensure a decent performance of IIC and will respond to all the communication from IIC National Coordination Team (MHRD Innovation Cell).
- · Vice President
- Takes the role of building and strengthening the in-house mentor pool and human resource capacity to drive campus Innovation and Entrepreneurship activities.
- Strengthen the intra and inter-institutional partnership and collaboration to encourage innovation and enabling environment of easy access to resources within and outside the institute.
- Convenor
- Ensure the participation in the meeting and will prepare the meeting agenda at least 10 days prior, taking valuable inputs from all the council members and President.
- Collect ideas from all the members, Documentation and maintenance of the proceedings like photographs and minutes of the meetings.
- Coordinators

#### Social Media Coordinator

- Create and manage the IIC page/account on Facebook, Twitter and YouTube and other relevant social media platforms.
- Post all the relevant information about the council meeting resolution and action plan, IIC activities and follow/tag MIC/IIC page and posts on these platforms.

#### Start-up Activity Coordinator

- Identifying and guiding potential/early-stage entrepreneurs, student innovators at the Institute on a regular basis.
- Encourage faculty members and students to pursue research studies related to Entrepreneurship.

#### **IPR Activity Coordinator**

- Organize events on IPR related activities as per IIC calendar and plan awareness programmes on a regular basis.
- Commercialize innovations through technology transfer, technology licensing and Start-ups, etc.

**Entrepreneurship and Innovation Coordinator** 



#### Institution's Innovation Council (IIC)





- Organize workshops, seminars, and activities to promote entrepreneurship and innovation among students.
- Facilitate networking opportunities between students, faculty, and industry experts to create a culture of innovation.
- Guide students in developing business plans, conducting market research, and executing innovative ideas.
- Encourage and support students and faculty to participate in national and international innovation and entrepreneurship competitions.
- Collaborate with stakeholders to ensure the successful implementation of entrepreneurship and innovation programs.

#### Members

- Ensure the Institution's Innovation Council's logo and the words "in association with Institution's Innovation Council, Ministry of Education (MoE), Govt. of India", is included in the brochure without fail for all the academic activities of their respective departments like webinars, seminars and workshops related to Industry Interaction, Start-up, Entrepreneurship, Research and Innovation/Intellectual Property Rights (IPRs).
- Establish Innovation Clubs for students with all the facilities and equipment needed for Innovation and Entrepreneurship (I & E) activities in their respective departments.
- Develop an Innovative and Entrepreneurial mind-set through a series of activities like workshops, awareness, market outreach events, orientation, advocacy meetings, campus Hackathons and networking events (Intra and Inter-institutional, enablers, stakeholders).
- Develop short term certificate courses on Innovation and Entrepreneurship.
- Persuade departments to offer Major or Minor Specializations or credit courses related to Innovation and Entrepreneurship (I & E) and IPR.
- Organize entrepreneurial skill development/employment generating programmes for external participants (local residents, community members, alumni etc.)
- Procure grants from Government and Non-Govt. Bodies towards promoting and supporting innovations.

## C. Portfolio/graphical/Tabular representation of Resource strength (human capital and Physical capital) of the IIC institution

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Institution's Innovation Council (IIC)





# D. Highlight Facilities, Infrastructure of Pre-Incubation & Incubation kind and Student bodies/clubs engaged in promotion of Innovation and Entrepreneurship in the campus.

Yashoda Technical Campus (YTC), Satara offers a range of advanced facilities and infrastructure to support pre-incubation and incubation activities. The campus is equipped with advanced computers featuring upgraded software to aid students in their projects and entrepreneurial ventures. The CNC and manufacturing facility provide hands-on experience with state-of-the-art technology for prototype development. Advanced laboratories allow students to conduct research and experiment with innovative ideas. The Institution's Innovation Council (IIC) serves as a central cell that encourages and nurtures entrepreneurial initiatives among students. Additionally, there are student bodies and clubs actively engaged in promoting innovation and entrepreneurship within the campus. These clubs organize various activities, workshops, and competitions to foster a culture of creativity and enterprise.



Advanced Computer Lab



Advanced CNC Facility



Advanced Computer Lab with upgraded software



Well-equipped Lab





#### Institution's Innovation Council (IIC)











Manufacturing Unit



IIC and Incubation Cell

Yashoda Technical Campus has an incubation center that plays a vital role in supporting aspiring entrepreneurs. This facility provides essential resources, mentorship, and guidance to help students turn their innovative ideas into viable start-ups. With access to advanced technology and industry expertise, students can develop their projects effectively. The incubation center fosters a collaborative environment, encouraging creativity and practical problem-solving among participants.





#### Institution's Innovation Council (IIC)





### E. Highlight Achievements (Narrative/Graphical/tabular representation)

Number and Different types of I&E and IPR activities Conducted	14
No. of student's & faculty ideas generated	10
No. of student's & faculty Innovation/prototypes developed	14
No. of IPs generated, published and granted	17
No. of Student & Faculty Start-ups/Ventures established.	Nil
Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus	Rs. 10,000
Amount grant or fund supported to student & Faculty lead Innovations, start-ups and IPR	Rs. 1,35,000
No. of Technology Transfer and Commercialisation happened	Nil

F. Highlight few best IIC Faculty/Student members and their achievements/ Rewarded for the innovations at different forum

Nil

## G. Highlight selected best Innovations & images with mention of inventor/innovation name

Students Deep Pawar and team at Yashoda Technical Campus have innovative developed an battery-operated motorcycle at an economical cost. The project aims to provide an affordable and eco-friendly transportation carbon solution to reduce emissions. The motorcycle features a compact design, optimized battery capacity, and a cost-effective powertrain





#### Institution's Innovation Council (IIC)





make it accessible to a wider audience. The team focused on minimizing manufacturing costs while ensuring a decent range and performance for urban commuting. This project reflects the students' commitment to sustainability and innovation in the field of electric mobility.

A team led by Satish Raut sir, including Shivrak Sakate and others, developed an innovative vaccine carrier. This carrier maintains temperatures between 0 to 10 degrees, ideal for transporting vaccines. It is particularly useful for rural areas where maintaining cold chain logistics is challenging. The project aims to facilitate effective vaccination efforts, ensuring that vaccines remain potent. This innovation is a society-focused



initiative that addresses a critical healthcare need in underserved communities.

H. Highlight selected start-ups established by students/faculties with mention of founder/cofounder name

Nil

 List if any break through Innovations / Technology Developed at the institute (2-3 technology with 2-3 lines about technology and innovation

Nil

- J. Participation of IIC-institute in various programs of Central and Stage Govt. Highlighting specially for the schemes or programs
  - Smart India Hackathon- 12 teams Participating in SIH 2024
- K. Detail of Social Media & Connections of IIC institute
  - Twitter https://twitter.com/YSPMYTC
  - Facebook <a href="https://www.facebook.com/yss.satra/">https://www.facebook.com/yss.satra/</a>





#### Institution's Innovation Council (IIC)





- Instagram https://www.instagram.com/yashodainstitutes/
- You Tube https://www.youtube.com/@yspm2015
- Telegram https://t.me/+b39FIxGiaRhkYjM9
- WhatsApp Channel https://whatsapp.com/channel/0029Va9o3gAEVccMrKAi5Z3z
- LinkedIn linkedin.com/in/yashoda-institutes-8b1b00317

## L. Testimonials from IIC members and external about IIC institute and IIC of MoE's Innovation Cell

Prof. Ajinkya Sagare, IIC Council President



As the President of the YTC Institution's Innovation Council (IIC), I am proud to lead a team dedicated to fostering a culture of innovation and entrepreneurship. Our council is committed to providing students with the necessary resources and mentorship to transform their ideas into viable start-ups. We actively engage with industry experts to bridge the gap between academia and the business world. The IIC serves as a platform for students to showcase their innovative projects and collaborate on real-world challenges. Together, we are building a vibrant ecosystem that encourages creativity and practical solutions.

Dr. Santosh Itrai, Vice President



In my role as Vice President of the IIC, I focus on empowering students to pursue their entrepreneurial aspirations. We provide training sessions and workshops that equip students with the skills needed to succeed in the competitive business landscape. Our collaboration with industry professionals ensures that students receive valuable insights and guidance. The IIC's initiatives have led to increased participation in innovation-related activities, creating a dynamic environment for learning. I am excited to see our students thrive as they embark on their entrepreneurial journeys.





Institution's Innovation Council (IIC)





#### Dr. Vikram Patil, Principal



As the Principal of YTC, I fully support the mission of the IIC in fostering innovation and entrepreneurship. The council plays a crucial role in enhancing the educational experience by integrating practical learning with academic knowledge. I am proud to see our students engage actively in projects that address real societal challenges, particularly in the healthcare sector. The IIC has also strengthened our ties with local industries, facilitating mentorship opportunities for students. Together, we are committed to nurturing the next generation of innovative leaders.

Prof. Vasim Maner, Convener



As the Convener of the IIC, I oversee the planning and execution of various initiatives aimed at promoting innovation among students. We strive to create an inclusive environment where students feel encouraged to share their ideas and collaborate on projects. The council organizes competitions, hackathons, and workshops that challenge students to think critically and creatively. Our focus on community engagement ensures that our projects have a meaningful impact on society. I am thrilled to witness the passion and enthusiasm of our students as they embark on their entrepreneurial endeavors.

Mr. Prasanna Banwat, CMD, Oracle Presscomps, Satara



As an external council member, I am honored to be part of the YTC IIC and contribute to its mission of fostering innovation. The collaborative efforts between industry and academia are essential for bridging the gap between theoretical knowledge and practical application. I am impressed by the talent and creativity exhibited by the students at YTC, especially in their innovative projects. This partnership allows us to share insights and resources, ultimately benefiting both the students and the community. I look forward to seeing the impact of our collective efforts in shaping future entrepreneurs.

#### Mr. Lunawat Sudip, MD, Elvat Sales, Satara

Joining the YTC IIC as an external council member has been a rewarding experience for me. I am impressed by the commitment of the council to nurturing innovative ideas and supporting student initiatives. The collaboration between industry professionals and students fosters a unique learning environment that encourages practical problem-solving. I believe that by working together, we can help students transform their innovative concepts into successful ventures. I am excited to witness the growth and success of these aspiring entrepreneurs as they contribute to society.



Institution's Innovation Council (IIC)





### M.Images







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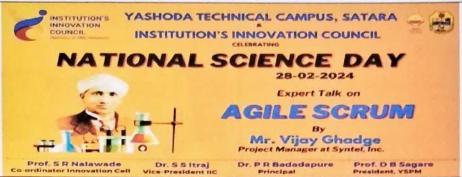
Satara



Institution's Innovation Council (IIC)















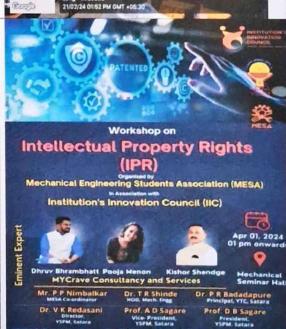






Tuesday.14/05/2024

11.00 am onwards Venue-B f10 (Civil)







President. YSPM, Satara

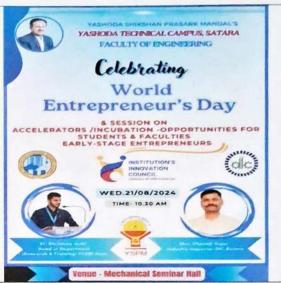


Institution's Innovation Council (IIC)









#### N. Contact

Prof. Vasim B Maner Mobile- 819002189 vbm.mech@yes.edu.in

Yashoda Technical Campus, Satara, MH.





## Yashoda Technical Campus, Satara Institution's Innovation Council (IIC)





## **Quarter-I**

Sr No	Activity	Date	Conducted Under	Attendance	Level	Prog. Hours	Resourse Person
1	National Entreprenuership Day	09-11-2023	Entreprenuer Cell	Students: 101 Staff: 20	L1	4	Mr Aditya A Mutalik, Exec. Committee Member, MAS, Satara and CEO, A R Engineering, Satara (Call- 9422605890, mass.satara@gmail.com)
2	Intra institional idea competition	09-11-2023	Start-Up Cell	Students: 101 Staff: 20	L4	16	Mr Aditya A Mutalik, Exec. Committee Member, MAS, Satara and CEO, A R Engineering, Satara (Call- 9422605890, mass.satara@gmail.com)
3	National Education Day	11-11-2023	-	Students: 40 Staff: 20	L1	4	-
4	Workshop on Entreprenuership and Innovations as career opportunity	24-11-2023	Entreprenuer & Innovation Cell	Students: 54 Staff: 07	L1	4	Mr. Suryakant Rajaram Dodmise, Founder & CEO SIBIC Business Incubator, Kolhapur. (Call- 9552951837, suryakantdodmise@gmail.com)

## **Quarter-II**

Sr No	Activity	Date	Conducted Under	Attendance	Level	Prog. Hours	Resourse Person
5	Viksit Bharat@2047 Utsav in Campus and Watching the Inaugural Address by Hon'ble Prime Minister of India	11-12-2023	-	Students: 63 Staff: 47	L1	3	Online Mode address by- Hon'ble Prime Minister of India, Shri Narendra Modi
6	National StartUp Day	16-01-2024	Start-Up Cell	Students: 72 Staff: 08	L1	7	Prof. R D Mohite, HOD, MBA Department, Yashoda Technical Campus, Satara (Call- 9623285825, mbahod_ytc@yes.edu.in)
7	Self Driven Program- Career Aspects in Mech Engg	24-01-2024	-	Students: 50 Staff: 05	L2	h	Mr Rajesh Aggarwal, CEO, Techsense Engineering Services, Pune & Mr. Vijay Navale, Career Counsellor, Pune (Call- 9765402091, aggarwal@techsense.co.in)
8	Workshop on Entrepreneurship Skill, Attitude and Behavior Development	21-02-2024	Entreprenuer & IPR Cell	Students: 59 Staff: 05	L2		Er. Vikas Sanjay Nirmal, CEO (Krishi Udyog Mool Shikshan Sanstha, Baramati), Founder President of SEVA (NGO)
9	Field/Exposure Visit to Varad Construction, Shahupuri, Satara	21-02-2024	Entreprener Cell	Students: 40 Staff: 02	L3	5	Mr. Shinde Yuvraj, CEO, Varad Construction, Shahupuri, Satara
10	Workshop on Design Thinking, Critical thinking and Innovation Design (Workshop on Session on Industrial Automation)	26/02/2024 to 27/02/2024	-	Students: 40 Staff: 04	L3	14	Mr. Tushar Inamadar, Managing Director Square Wave Automation Pvt. Ltd, Satara
11	National Science Day	28-02-2024	Innovation Cell	Students: 74 Staff: 08	L1	4	Vijay Ghadge, Project Manager at Syntel, Pune
	Field/Exposure Visit to Walster Technology Pvt Ltd, Shahupuri, Kolhapur	09-03-2024		Students: 53 Staff: 03	L3	6	Walster Technology Pvt Ltd, Rukmini Nagar, Front Of Datta Mandir, 2103/47 E, Shahupuri, Kolhapur, Maharashtra 416005. Call- 077750 32331

## **Quarter-III**

Sr No	Activity	Date	Conducted Under	Attendance	Level	Prog. Hours	Resourse Person
13	Day celebration Activity: World Womens' Day	08-03-2024	-	Students: 40 Staff: 15	L1	5	Dr. Surabhi Bhosale Designation: BJP Women's Wing President, Satara District. Mrs. Renu Yelgaokar Designation: President of Human Rights Maharashtra. Mrs. Shailaja Katdare Designation: Director of Katdare Food Pvt. Ltd., Satara
14	Event Activity: Field/Exposure Visit to Technology Transfer Centre: Copper Track Industries, Nashik, Maharashtra.	21-03-2024	-	Students: 32 Staff: 03	L3	6	Copper Track Industries, M-76, MIDC Area, MIDC Ambad, Nashik, Maharashtra. Mobile Number- 096079 11281, Email id: coppertrack@rediffmail.com
15	Workshop Activity: Workshop on Intellectual Property Rights (IPRs) and IP management for start up	01-04-2024	IPR Cell	Students: 60 Staff: 10	L2	7	Mr. Dhruv Bhrambhatt, Ms. Pooja Menon, and Mr. Kishor Shendage Guest Designation: Managing Director MYCrave Consultancy & Services, FF - 120,Atmiya Complex, Near Makarpura GIDC, maneja Crossing, Vadodara, Gujarat – 390013 Tel. +91 7600690996; Mail: contact@mycrave.co.in
16	Day celebration Activity: World IPR Day	26-04-2024	IPR Cell	Students: 60 Staff: 10	L1	4	Dr. T R Shinde, IPR Cell Head, mechhod_ytc@yes.edu.in
17	Self Driven Program-Workshop on "LED LAMP ASSEMBLING &REPAIRING"	02-05-2024	-	Students: 40 Staff: 04	L3	7	Mr. Manoj Patil Expert / Guest Designation and Contact details: Associate professor (Department of Electrical Engineering) ADCET Ashta .
18	Workshop Activity: Workshop on Prototype/Process Design and Development.	03-05-2024 & 04-05-2024	Start-Up Cell	Students: 50 Staff: 05	L3	16	Mr. Anand Pawar. Expert / Guest Designation and Contact details: Application Engineer ,Scientech Technology Pvt Ltd, Pune
19	Day Celebration Activity: National Technology Day	11-05-2024	Entreprener Cell	Students: 36 Staff: 07	L1	5	Mr. Shailesh B. Pharande (Structural Engineer) . Expert Designation and Contact details: Civil Tech Solution Satara, Mob.No. 9923238949 Email Id- shailesh.pharande@gmail.com
20	Workshop Activity: Session/ Workshop on Business Model Canvas (BMC)	14-05-2024	Entreprener Cell	Students: 59 Staff: 07	L3	9	Expert Name: Dr. Rajashri Chavan Expert Designation and Contact details: Associate Professor YTC, Satara, Mob.No.9823550823 Email Id- chavanrajashri22@gmail.com

## **Quarter-IV**

Sr No	Activity	Date	Conducted Under	Attendance	Level	Prog. Hours	Resourse Person
21	MIC Activity Online: Guiding Framework for Creating and Engaging Trained Faculty and Student IIC Members Innovation Ambassadors (IA) in IIC Institutions and Rewarding Mechanisms for IAs	29-07-2024	-	Students: 10 Staff: 11	L1	2	IIC Speaker- Mr. Dipen Kumar Sahu Assistant Innovation Director dipan.sahu@aicte- india.org; dipan.sahu@gov.in 011 2958 1226
22	MIC Activity Online: Strengthening IIC Linkages with ATLs and SICs in Schools and Framework for providing Mentorship Guidance	31-07-2024	-	Students: 10 Staff: 11	L1	2	IIC Speaker- Mr. Dipen Kumar Sahu Assistant Innovation Director dipan.sahu@aicte- india.org; dipan.sahu@gov.in 011 2958 1226
23	MIC Activity Online: Building the Pipeline of Quality Innovations and Startups in HEIs with Ecosystem Enablers by Creating and Managing YUKTI Innovation and IPR Repository (YIIR).	02-08-2024	-	Students: 10 Staff: 11	L1	2	IIC Speaker- Mr. Dipen Kumar Sahu Assistant Innovation Director dipan.sahu@aicte- india.org; dipan.sahu@gov.in 011 2958 1226
24	MIC Activity Online: Orientation cum Refreshers' Session on Institution's Innovation Council Objectives, Structure, Operation for IIC Institutions.	05-08-2024	-	Students: 10 Staff: 11	L1	2	IIC Speaker- Mr. Dipen Kumar Sahu Assistant Innovation Director dipan.sahu@aicte- india.org; dipan.sahu@gov.in 011 2958 1226
25	Day Celebration Activity National Independence Day; 15th August 2024	15-08-2024	-	Students: 200 Staff: 85	L1	3	Hon. Mr. & Mrs. Vikas Pawar (Retired. Lt. Colonel Indian Army)
26	Day Celebration Activity: World Entrepreneurs Day- 21-08-2024	21-08-2024	Entreprener Cell	Students: 81 Staff: 12	L1	3	Er. Shrinivas Joshi. Head of Department (Research& Training) PCERF, Pune. Mob.No.8208162629 Email Id- hodrt@pcerf.org
27	Session on Accelerators /Incubation - Opportunities for Students & Faculties – Early-Stage Entrepreneurs	21-08-2024	Entreprener Cell	Students: 200 Staff: 87	L2	6	Er. Shrinivas Joshi. Head of Department (Research& Training) PCERF, Pune. Mob.No.8208162629 Email Id- hodrt@pcerf.org
28	Innovation & Entrepreneurship Outreach Program in Schools	28-08-2024 & 30-08-2024	Innovation Cell	Students: 100 Staff: 05	L2	4	Dr. T R Shinde, IPR Cell Head, mechhod_ytc@yes.edu.in
29	Online Session On"Vc Funding Opportunitiesfor Early-Stage Entrepreneurs"	28-08-2024	Entreprener Cell	Students: 200 Staff: 89	L2	7	Mr.Shubham Sanjay Jawale Operation Manager State Government Industrial Subsidy Provider.
30	Boot Camp on Start –UP	30-08-2024	Start-Up Cell	Students: 200 Staff: 90	L3	9	1. Mr.Vanraj Shivajirao Kumkar Trainer and Motivational Speaker 9422038064 2. Mr.Mahesh Kulkarni Chief Trainer ,MITCON 9822397384