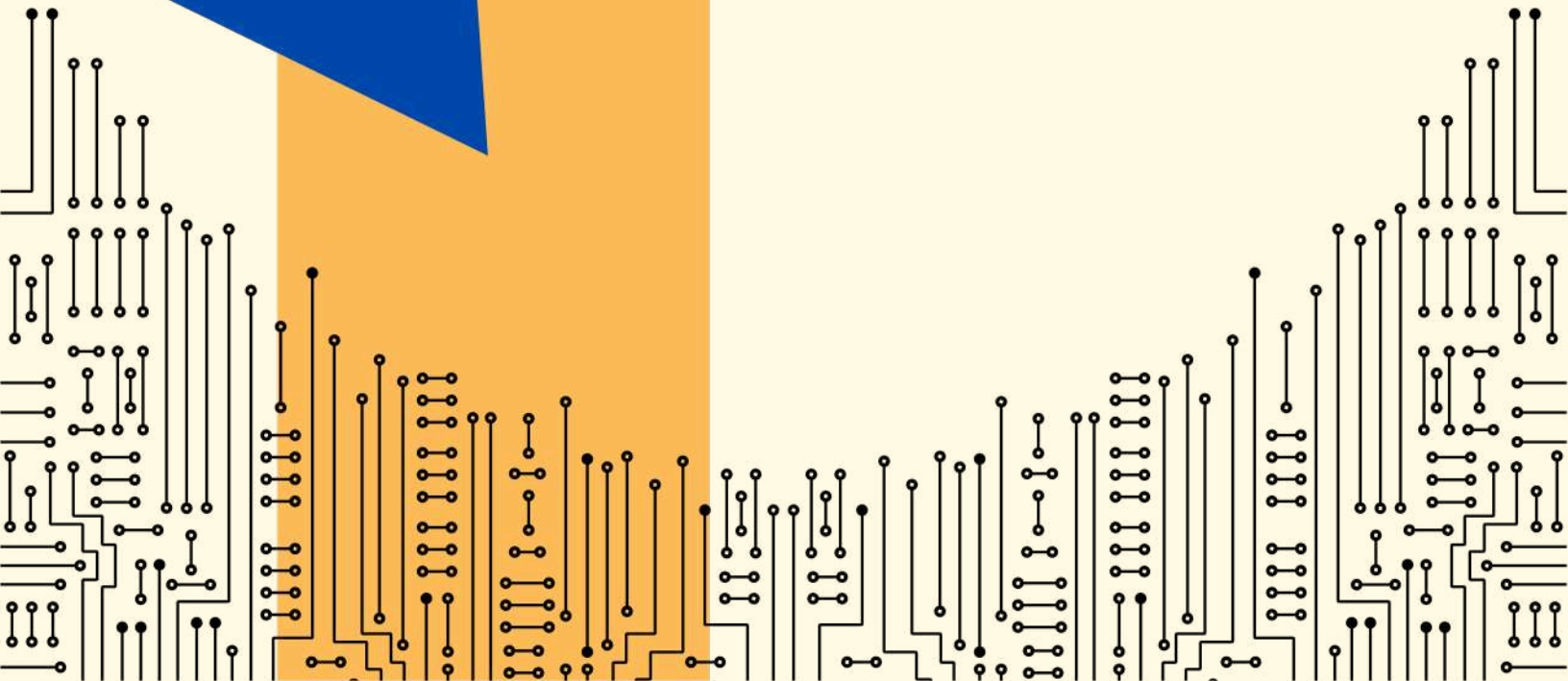
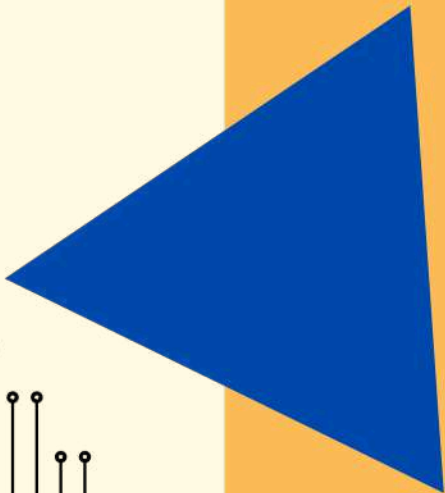


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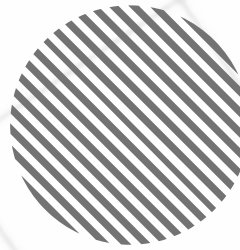
EDITION  
2021-2022





# **EDITORS TEAM**

**1.SAYALI BANDAWANE  
2.SARVESH SARAF**





# TOFA CBony 2

- 1 About Us
- 2 From the Chairman's Desk
- 3 Vision and Mission
- 4 Principal's Message
- 5 HOD's Desk
- 6 Nostalgic Events
- 7 Industrial Visit
- 8 Seminar & Workshop
- 9 Faculty & Students achievements



# ABOUT US



**SANDIP**  
FOUNDATION

**Sandip Foundation was established with the core objective of rendering selfless, dedicated and yeomen service to higher education in Engineering branches, Management, Arts, Science, and Paramedical Sciences.**

**The trustees of Sandip Foundation have been involved in the field of higher education from the past fifteen years. During this gestation period the trustees have rendered valuable services to thousands of students. In our endeavor to supplement the cause of professional education, we have instituted multi-dimensional courses spread in various fields with its roots established at Nashik. We believe in offering education that is converted to knowledge with high end infrastructure and a pleasant atmosphere.**

# **SANDIP INSTITUTE OF TECHNOLOGY & RESEARCH CENTRE :**

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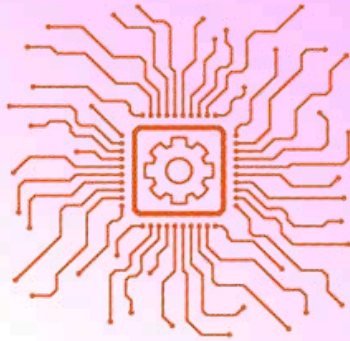
**The flagship Institute of Sandip Foundation, ‘Sandip Institute of Technology and Research Centre’ was established in the year 2008-2009, initially with four Engineering courses. Approved by All India Council for Technical Education, New Delhi and recognized by the State Government while being Affiliated to University of Pune.**

**The institution is decked up with world class infrastructure which includes State-of-the-Art Laboratories with modern equipment's, Library having books twice than the norms by AICTE, National and International Journals (including e-journals), ample reference books of various authors to cater the student needs and provide knowledge beyond the syllabus. Class rooms with ceiling mounted LCD Projectors, AC seminar halls, laboratories, Amphitheatre to cater the need of all sorts of college festivals, sports facilities, Hostels with well crafted rooms and a clean and energetic canteen for rejuvenating breaks.**

**The modern infrastructure standards are complimented with lush green lawns and trees around the campus which make the atmosphere in and around the institution a pleasant place to learn, gain and apply the knowledge. The highly efficient faculty boosts the morale of the students and makes them go a step beyond the ordinary and also harness campus placements.**

# **DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING :**

---



**Electronics and Telecommunication Engineering Department have separate building with spacious laboratories. The department of E&TC built on 1000 sq.meter area with 3 story building having lower ground, upper ground & first floor. Department have PG course in VLSI and Embedded Systems. Special research lab is allocated to students for their research activities. Major equipments available for experimentation are DSO, OTDR, High Configuration CRO, Spectrum Analyzer, Logic Analyzer and High End computers. Department has 10 Laboratories having cost of Rs. 80 Lacs. All laboratories are facilitated with latest software such as MATLAB, TRITON, PROTEUS, CADENCE, ALTERA etc. Also department has well developed library apart from college central library. Apart from college central library, dept. Also has a very well developed library.**

**Classrooms are equipped with latest teaching aids like LCD Projector. All the computers in department are connected through networking with internet facility. Department has got the UPS & generator back up.**

**Department is much serious about students placement. Different companies visited to department are Syntel India Pvt. Ltd., Pune, Core Technologies, Kolhapur, Wipro Technology, Pune, Shivannad Electronics, Nashik etc.**



*From the*

**CHAIRMAN'S**

*Desk*

Sandip Foundation was established in 2005 with a vision of creating an education system from which the leaders of tomorrow emerge. Since our inception we have been aware of our strengths, motives and goals which we have set out to achieve.

~~When we embarked on this journey, all we had was a dream~~ and the tools of foresight and strategy. We combined these forces to pave a path of growth towards excellence and merit.



## **DR. SANDIP KUMAR JHA**

Sandip Foundation was established in 2005 with a vision of creating an education system from which the leaders of tomorrow emerge. Since our inception we have been aware of our strengths, motives and goals which we have set out to achieve. When we embarked on this journey, all we had was a dream and the tools of foresight and strategy. We combined these forces to pave a path of growth towards excellence and merit.

# Vision & Mission

of the Institute

## VISION

**To be acclaimed institution for learning and research.**

## MISSION

- **To impart in-depth technical knowledge.**
- **To create conducive environment for research, innovation and entrepreneurship.**
- **To instill the social and cultural values.**



# Vision & Mission

## of the Department

### VISION

**To be a preferred department, offering contextual relevant education emphasizing on the research and innovation.**

### MISSION

- **Promoting contextual relevant curriculum.**
- **Enabling OBE based effective teaching learning practices**
- **Promoting industry relevant modern education tools**
- **Nurture innovation and creativity through experiential learning.**
- **Inculcating ethics and soft skills leading to the overall personality**

# PRINCIPAL'S

*message*



**DR. MILIND M. PATIL**

It gives me immense pleasure to welcome you to Sandip Foundation's SITRC. Our aim is to impart top-quality technical and managerial education in a multicultural environment with the best facilities and a dedicated teaching staff to bring you the best of knowledge.

The modern infrastructure, an exemplary set of dedicated teaching professionals and the exhilarating atmosphere of the campus will surely take you to enviable heights in your intellectual development and help you achieve your future endeavors. To impart training we have a team of individuals with in-depth knowledge and industrial experience in the latest technical fields. Our sole purpose is to develop high quality technical personnel with sound knowledge on basic engineering & managerial principles who are able to adapt themselves to the ever changing business environment along with the highest ethical and moral values.

# HOD'S

*desk*



**PROF. MRS. G. M. PHADE**

We believe, our acts and omissions in our day to day life should be screened and channelized in the broader framework of these core values of Sanjiv Foundation. I am confident; this will enable us to achieve the desired unity with appropriate synergy of Diversity

I congratulate all the contributors and the editorial board for bringing out such a beautiful magazine.

With best wishes and blessing for the upcoming issue.

The background features a repeating pattern of stylized flames in bright yellow and red, set against a dark blue background. The flames are depicted with thick, bold outlines and a sense of movement, creating a vibrant and nostalgic aesthetic.

# **Nostalgic Events**

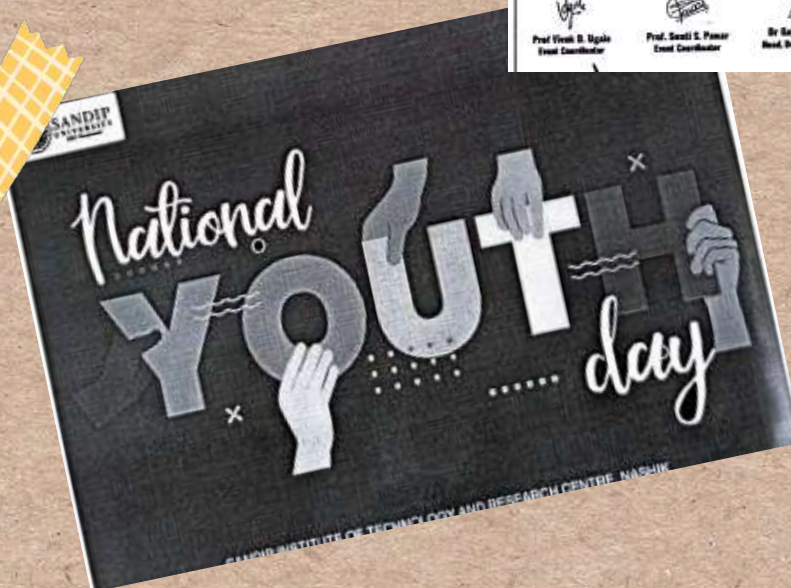
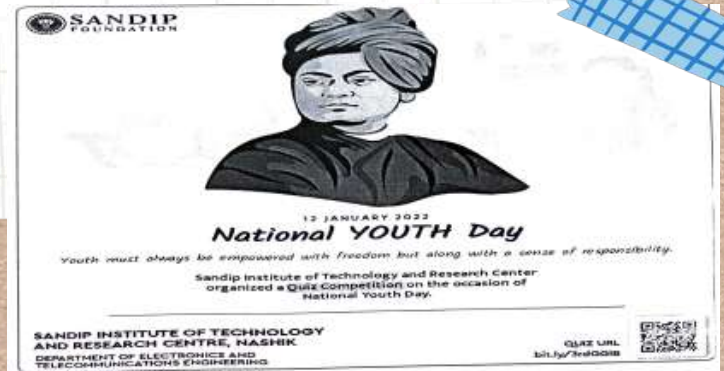


# About the event

Department of Electronics & Telecommunication Engineering, Sandip Institute of Technology and Research Center, Nashik, in association of Ministry of Education's (MoE) Institute Innovation Council (IIC), Engineers Without Border (EWB), SF IEEE Student Chapter have celebrated the National Youth Day- 2022, by organizing the Quiz competition for the students. The main aim of the event was to promote and engage youngsters in making positive contributions to society. More than 50 students and staff participated in this online activity.

# National Youth Day

12th January 2022





# About the event

Department of Electronics & Telecommunication Engineering, Sandip Institute of Technology and Research Center, Nashik, in association of Ministry of Education's (MoE) Institute Innovation Council(1IC), Engineers Without Border(EWB), SF IEEE Student Chapter have celebrated the National Science Day- 2022, by organizing the poster competition. More than 20 students participated in this activity. This year's Science Day theme is "Future of Science, Technology and Innovation: Impacts on Education, Skills and Work."

During the event the respected principal of SITRC, Dr. Sanjay T. Gandhe along with Head of Department Dr. Gayatri M. Phade, examined the posters presented by the participants. Event coordinator Prof. Vivek D. Ugale sir make sure that every thing goes right and in proper way. The judge for the event was Prof. Vasim Shaikh, Assistant Professor, Mechanical Engineering, SITRC, Nashik.

## National Science Day

28th February 2022







# TECHXELLEN CE 2K22

13th & 14th May 2022

## About the event

As per the culture of Sandip Institute of Technology and Research Centre, Nashik, every year the department of Electronics & Telecommunication Engineering organized a National Level Technical Fest "TECHXELLENC" for aspirants assembling from various Polytechnic/ Engineering Colleges with very high competitive spirits & accomplishments to their resumes.



For the academic year 2021-22 we have organized "TECHXELLENC2k22" with the same enthusiasm and determination among the new set of student co-ordinators, student volunteers and faculty co-ordinators on 13th and 14th May 2022.





The inauguration of the event was done by Chief Guest Mrs. Apoorva Jakhadi, Nashik based NASA space educator, member of UN-SGAC Vienna-Austria, Principal, Dr. S. T. Gandhe addressed the students to utilize the opportunities, enhancing the confidence level, catalyzing the development. The Dean of academic, Prof. P. R. Baviskar, appreciated the efforts of the students on the momentous event and wishing them grand success in their academic & life. The Head of Department, Prof. Dr. G. M. Phade advised the students to take part in competitive activities related to advances in engineering technology. Prof. S. J. Pawar coordinator of the event proposed the vote of thanks.



Under techxcellence 2022, received more than 400 participants from different institutes for various activities including, paper presentation, poster presentation, project presentation, idea presentation, photography, short video making, BGMI, Box cricket, open house talent battle etc. The winners were encouraged with a cash prizes almost for all the events. Department feels proud to organize such a successful event





# IEEE Day Celebration

5th October 2021

## About the event

Students of Sandip foundation celebrated the IEEE Day 2021 on 5th October. The staff and students of SF IEEE member gathered together and celebrated IEEE day. In which Dr. Gayatri Phade conveyed IEEE, SITRC, Nashik explained about IEEE that IEEE is the world's largest technical professional association dedicated to the advancement of technology for the greater good. She also explained students about the benefits of IEEE membership. A small cake cutting ceremony was arranged by students on occasion of IEEE day celebration.







# INDUSTRIAL


VISIT



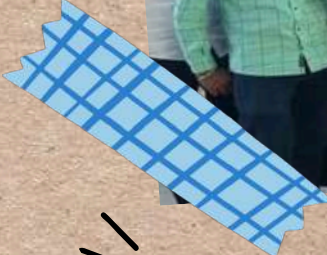





# ESMART ENERGY SOLUTIONS PVT.LTD



4th November 2022



## About the visit



Department of Electronics & Telecommunication Engineering Department of Electronics And Telecommunication, SITRC, Nashik arranged one day Industrial Visit for 3rd and 5th Semester Degree students to "eSmart Energy Solutions Pvt Ltd", Nashik, Maharashtra dated 4th November, 2022 for better technical knowledge enhancement of students. Visit is important especially important in the field of Engineering as the practice of engineering has an inherent (and unavoidable) impact on society. These programs can be a powerful tool to constitute a positive industrial climate and can range from basic manufacturing system programs for students. Overall, the aim of all these visit to trains the students to adapting to changing scenario of technology. After visit students can identify their own efficiency and performance which important for their career, improving work efficiency and confidence.





## INDUSTRIAL VISIT TO SIVANANDA ELECTRONICS

4th November 2022

### About the visit

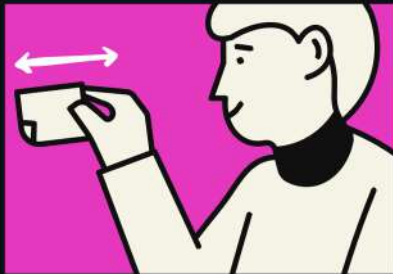
Department of Electronics & Telecommunication Engineering Department of Electronics And Telecommunication, SITRC, Nashik arranged one day Industrial Visit for final year students to "Sivananda Electronics", Deolali Nashik, Maharashtra dated 4th November, 2022 for better technical knowledge enhancement of students. Visit is important especially important in the field of Engineering as the practice of engineering has an inherent (and unavoidable) impact on society. These programs can be a powerful tool to constitute a positive industrial climate and can range from basic manufacturing system programs for students. Overall, the aim of all these visit to trains the students to adapting to changing scenario of technology. After visit students can identify their own efficiency and performance which important for their career, improving work efficiency and confidence







# SEMINAR WORKSHOP &







# GATE Seminar

22nd April 2022



## About the Workshop

Department of Electronics & Telecommunication Engineering, Sandip Institute of Technology and Research Center, Nashik in association of Institute of Engineers (India) [IEI] & Association for Students of Electronics & Telecommunications (ASET), organized a seminar on "Career after GATE". The seminar was conducted by the team of GateForum.

The main objective of the session was To discuss & impart the information regarding career opportunities after GATE exam. The resource Person was Mr. Suraj Singh, AIR 4 in GATE, Ex-BPCL officer, Mr. Vishal Patil, Manager, GateForum, Nashik, Mr. Sanjay Pawar, Director, GateForum, Nashik. All the Students of Second & Third Year Dept E&TC Engg. were present for the session.







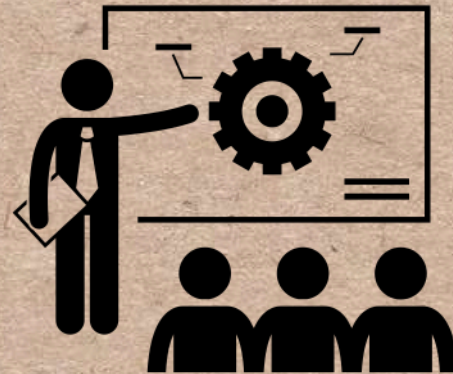
# Aptitude Training Session

30th March-15th April 2022

## About the Workshop

Sandip Institute of Technology and Research Centre, Nashik's department of Electronics & Telecommunication Engineering organized an online aptitude training session for the students. The resource person and the coordinator for the workshop was Prof. M. E. Ingale. There were more than 50 students present for the workshop from the all years of E&TC department.

The main objective of the session was to clear the basic concept of Aptitude questions for the placement point of view. Throughout the workshop students learnt how to use the tricks on aptitude questions and how it is useful in campus placement.





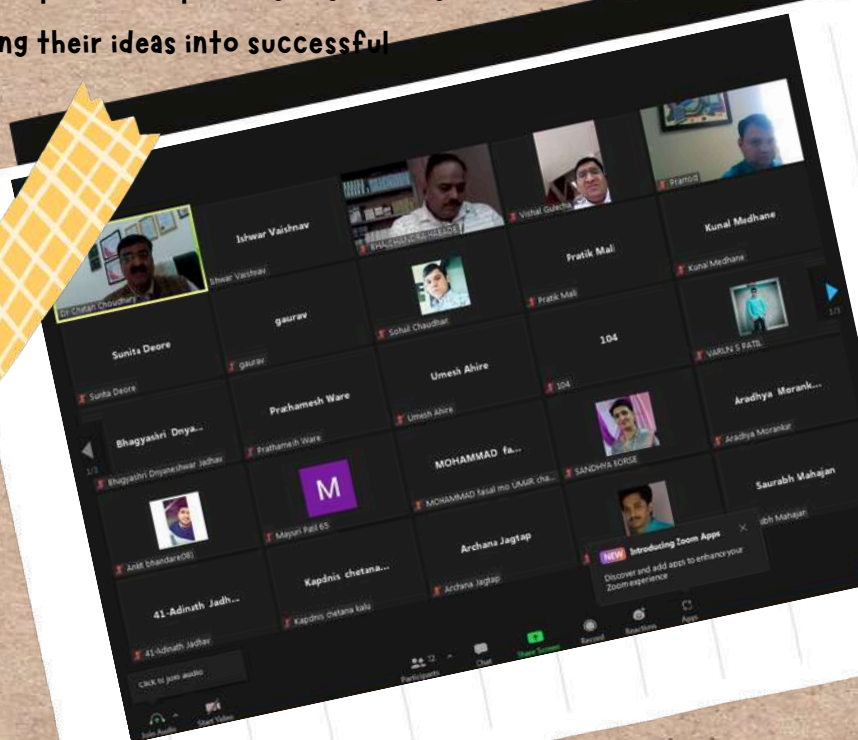
# Entrepreneurship Development Program

16th October 2021

## About the workshop

Sandip Institute of Technology and Research Centre, Nashik's department of Electronics & Telecommunication Engineering organized a Technology based Entrepreneurship Development Program on 16th October 2021. The coordinator of workshop was Prof. J. A. Patel, Asst. Professor, E&TC Dept. SITRC, Nashik.

The aim of the program was to equip the students with necessary knowledge, skills, and tools to create and launch successful technology-based startups. The program fosters innovation, creativity, and entrepreneurship among engineering students and support them in transforming their ideas into successful businesses.





*Faculty &  
Students  
Achievements*



# Faculty Achievements



**Dr. Gayatri Phade**



## Certificate

This is to certify that

**Dr. Gayatri Phade**

from Sandip Institute of Technology and Research Centre, Nashik has successfully participated in Microsoft India & SAP India led Faculty Development Program on "Artificial Intelligence" under TechSaksham Program from "18th January 2022 – 20th January 2022".

**Keshav Dhakad**  
General Counsel,  
Microsoft India Corporate,  
External & Legal Affairs (CELA)

**Gunjan C. Patel**  
Regional Director and Head of CSR,  
SAP Indian Subcontinent,

**Nagesh Singh**  
Executive Director  
Edunet Foundation

# Dr. Gayatri Phade

No: ATAL/2021/1629042277



## ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

AICTE Training and Learning (ATAL) Academy

## Certificate

This is certified that **OMKAR SURESH VAIDYA**, Assistant Professor of **SANDIP INSTITUTE OF TECHNOLOGY AND RESEARCH CENTRE** participated & completed successfully AICTE Training And Learning (ATAL) Academy **Online Elementary FDP** on "Signal Processing and Machine Learning towards Engineering Applications" from **23/08/2021 to 27/08/2021** at **North Eastern Regional Institute of Science and Technology(NERIST)**.

Advisor-I, ATAL Academy  
Manta Rani Agarwal



Coordinator

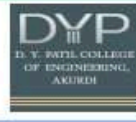
# Mr. Omkar Vaidya





**BoS, SPPU**  
Board of Studies (E&TC)  
Savitribai Phule Pune University

**Dr. D.Y.Patil Prathisthan's**  
D. Y. Patil College of Engineering,  
Akurdi, Pune



## Faculty Orientation Workshop

T. E. (E&TC) 2019 Honors in Block Chain Technology  
Subject: "Introduction to Block Chain"

### E-Certificate of Participation..!

This is to certify that, **Mr. Mayur Eknath Ingale** of **SITRC, Nashik** has attended Faculty Orientation Workshop on TE(E&TC) Honors 2019 course under the aegis of Board of Studies (E&TC), Savitribai Phule Pune University organized by Department of E&TC Engineering, D. Y. Patil College of Engineering, Akurdi, Pune from 30/07/2021 to 31/07/2021.

Mrs. T. R. Wagh  
Mrs. S. S. Gaikwad  
Faculty Coordinators


Dr. P. Malathi  
HOD, E&TC, DYPCOE

Dr. Vijay M. Wadhai  
Principal, DYPCOE


Dr. D. S. Bormane  
Chairman BoS (E&TC)

Dr. M. G. Chaskar  
Dean Faculty of Sci. & Tech. SPPU

# Mr. Mayur Ingale



**Sandip Foundation's**



**Sandip Institute of Engineering & Management Nashik**  
(Affiliated to Savitribai Phule Pune University, Pune and NAAC 'B++' Grade Accredited)

**Department of Electronics & Telecommunication Engineering**

**AICTE Approved One Week Short Term Training Program on "Data Analytics with Python"**

**Certificate of Participation**

This is to certify that **Dr. Omkar Suresh Vaidya** of **SIEM, NASHIK** has participated in AICTE Approved One Week Short Term Training Program (STTP) on "Data Analytics with Python" organized by Department of Electronics and Telecommunication, Sandip Institute of Engineering and Management Nashik, Maharashtra from 24<sup>th</sup> – 28<sup>th</sup> May, 2021.

Registration Id: DAPII225  
Issued Date: 28/05/2021

Prof S J Pawar  
Program Coordinator

Prof Y R Risodkar  
HOD E & TC, SIEM

Prof (Dr) D P Patil  
Principal, SIEM

# Mr. Omkar Vaidya





**Mr. Omkar Vaidya**



**Dr. Gayatri Phade**



Microsoft

edunet  
foundation



## Certificate

This is to certify that

**Mr. Mayur Eknath Ingle**

from Sandip Institute of Technology and Research Centre, Nashik has successfully participated in Microsoft India & SAP India led Faculty Development Program on "Artificial Intelligence" under TechSaksham Program from "18th January 2022 – 20th January 2022".

**Keshav Dhakad**  
General Counsel,  
Microsoft India Corporate,  
External & Legal Affairs (CELA)

**Gunjan C. Patel**  
Regional Director and Head of CSR,  
SAP Indian Subcontinent,

**Nagesh Singh**  
Executive Director  
Edunet Foundation

# Mr. Mayur Ingale





# *Student* **ACHIEVEMENTS**



COURSE COMPLETION CERTIFICATE

The certificate is awarded to

**Abhishek Shinde**

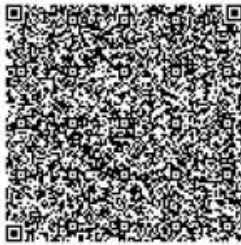
for successfully completing the course

**Introduction to Python**

on Sunday, April 17th 2022

Infosys | Springboard

*Congratulations! You make us proud!*



Issued on: Monday, April 18th 2022  
This certificate can be verified by scanning the QR code at <https://verify.onwingspan.com>

  
Thirumala Arohi  
Senior Vice President and Head  
Education, Training and Assessment (ETA)  
Infosys Limited

**Abhishek Shinde**



**Dhiraj Kapure**





**Chetan Suryawanshi**



**Suyog Kangune**



**Bhavesh Dhande**



**Siddhi Mahajan**





# Ritika Patil



# Shubhangi More



**Ritika Patil**



**Shubhangi More**





**Durgesh Ramaiya**



**Ritika Patil**



## Certificate Of Participation

### Internal Hackathon

This Certificate is awarded to  
**SHUBHANGI MORE**

Covid-19 Identification

of Team

for participating in Internal Hackathon held on **Thursday, 10th March 2022**

at **Sandip Institute of Technology & Research Centre, Nashik**

*GM Phade*

Dr. Gayatri M. Phade  
College SPOC

*Dr. Sanjay T. Gandhe*

Dr. Sanjay T. Gandhe  
Principal

# Shubhangi More



## MODERN EDUCATION SOCIETY'S COLLEGE OF ENGINEERING, PUNE

19, Late Prin. V. K. Joag Path, Wadia College Campus, Pune - 411001. (Accredited by NAAC with an 'A' Grade)

Department of Electronics and Telecommunication Engineering, (Accredited by NBA)



Knowledge Partner



### Certificate of Presentation

This is to certify that **Sadik Nisar pinjari** has presented a paper entitled IOT Based Food Dehydration System in **8<sup>th</sup> National Conference on Advancements in Communication, Computing and Electronics Technology** organized by the Department of E&TC Engineering,

M. E. S.'s College of Engineering, Pune on **19<sup>th</sup> & 20<sup>th</sup> April 2022**.

*Prof. M. M. Dhanvijay*  
Prof. M. M. Dhanvijay  
Coordinator

*Dr. P. P. Mane*  
Dr. P. P. Mane  
Convener & HOD

*Dr. M. P. Dale*  
Dr. M. P. Dale  
Vice-Principal

*Dr. S. S. Sarawade*  
Dr. S. S. Sarawade  
Principal

# Sadik Pinjari





# Pooja Gunjal



# Prathamesh Ausarkar



**Shaikh Husain**



**Shaikh Husain**



MIT Art, Design and Technology University, Pune  
MIT School of Engineering,

## **Techno-Genesis 2022**

### *Certificate of Participation*

This is to Certify that Shaikh Shahzeb Husain from Sandip Institute of Technology And Research Center, Nashik

Has Successfully participated in “**International Level Project Exhibition Cum Competition**”  
organizes by Department of Electronics & Communication Engineering ,MIT School Of Engineering ,  
Pune in association with IEEEE Pune Section , IEEE Education Society & IETE Pune Centre from  
**18<sup>th</sup> April 2022 To 23<sup>rd</sup> April 2022.**



**Prof. Dr. Virendra V. Shete**  
Vice principal & Head,  
ECE Dept. MITSOE



**Prof. Dr. Kishore Ravande**  
Principal, MITSOE



**Prof. Dr. Mangesh T. Karad**  
Executive President & Vice Chancellor,  
MIT ADT University, Pune

# Shaikh Husain

# Student Research







# International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering

(A Monthly Peer Reviewed Journal)

Website : [www.ijareeie.com](http://www.ijareeie.com) Email: [ijareeie@gmail.com](mailto:ijareeie@gmail.com)

## **CERTIFICATE OF PUBLICATION**

This is hereby Awarding this Certificate to

**AAKANKSHA S. KAPADNIS**

Department of Electronics & Telecommunication Engineering, Sandip Institute of Technology  
& Research Centre, Nashik, India

Published a paper entitled

Deep Learning Based Arrhythmia Classification using Single lead ECG

in IJAREEIE, Volume 11, Issue 6, June 2022



e-ISSN: 2278-8875  
p-ISSN: 2320-3765



# Aakanksha Kapadnis



# International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering

(A Monthly Peer Reviewed Journal)

Website : [www.ijareeie.com](http://www.ijareeie.com) Email: [ijareeie@gmail.com](mailto:ijareeie@gmail.com)

## **CERTIFICATE OF PUBLICATION**

This is hereby Awarding this Certificate to

**SHREYA S. BURHADE**

Department of Electronics & Telecommunication Engineering, Sandip Institute of Technology  
& Research Centre, Nashik, India

Published a paper entitled

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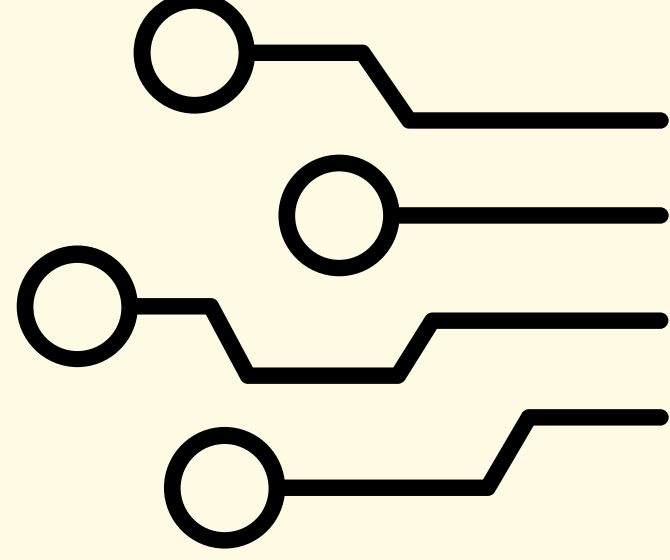
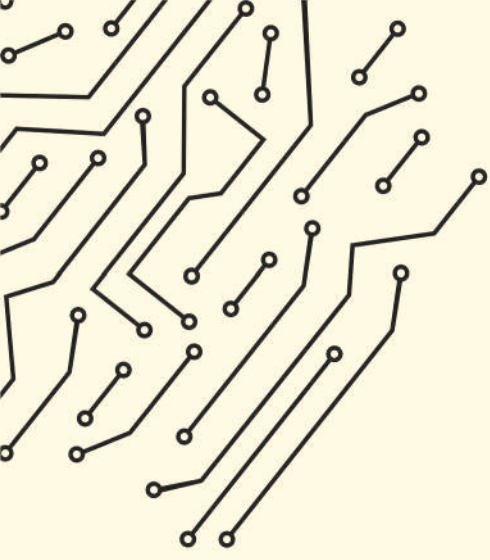


# Shreya Burhade



thank  
you





**SANDIP**  
FOUNDATION

