

### 6.5.2 List of collaborative quality initiatives with other institutions

Year	Name of Quality Initiatives with other institutions	Number of Participants	Date
2022-23	AICTE-ISTE approved One Week Workshop on Soft Skill, Advance Ms-Excel, Pc & Network Coponent Aawrness & it's Troubleshooting	27	02/01/2023 to 06/01/ 2023
2022-23	ISTE Approved one week STTP on“ADVANCED CONCEPTS, TOOLS & APPLICATIONS OF BLOCKCHAIN & SECURITIES”	57	27/06/2022 to 02/07/2022
2022-23	One week FDP in assocoation with IITB on “PHP and MySQL”	45	04/07/22 to 09/07/22
2022-23	AICTE and ISTE approved one week STTP on “APPLIED DATA SCIENCE & MACHINE LEARNING”	57	02/01/2023 to 07/01/2023
2022-23	AICTE and ISTE approved one week STTP on "Emerging Trends in Data Science and Data Security"	48	02/01/2023 to 07/01/2023
2022-23	ISTE Approved one week workshop on "PYTHON PROGRAMING FOR DATA SCIENCE"	30	02/01/2023 to 06/01/2023
2022-23	Organize an intra-inter institution best idea and reward best idea competition in association with Ministry of Education and AICTE		10/12/2022
2022-23	Workshop on “Entrepreneurship and Innovation as Career” in association with IBM		23/10/2022
2022-23	Session on “ Process on Innovation development, technology readiness level (TRL), commercialization lab technologies and tech-transfer	45	27/02/2023
2022-23	Fabric art workshop-Organised by Visual art Department in association with National Lybrary of Indian Club	76	28/07/2022

21-22(SH2)	One week FDP on "Git:A Version Control System" in associatio with Spoken Tutorial, IIT Bombay organized under IQAC	37	28/06/2021 to 03/07/2021
21-22(SH2)	One week Online FDP on Android App using Kotlin in associatio with Spoken Tutorial, IIT Bombay organized under IQAC	50	05/07/21 to 10/07/2021
20-21(SH2)	National Level one week ISTE approved FDPon“Advances in Engineering Mathematics & Industrial Automation”	15	26/09/ 2019 to 30/06/2019
20-21(SH2)	ISTE approved National Level One Day Faculty Development Program on "Research Paper Writing & Publication		9/5/2020
2019-2020	ISTE approved one week STTP on "Cyber Security & Digital Forensics"		01/07/2019 to 05/01/2019
2019-2020	IETE approved webinar on "Antena Design Through Simulation using TaraNG:19.1		5/15/2020
2019-2020	One week AICTE approved FDP on " Internet of Things".	23	30/12/2019 to 4/01/ 2020
2019-2020	One week AICTE and ISTE approved STTP on "Zest of Data Science"	27	30/12/2019 to 4/01/2020
2019-20(FH2)	ISTE Apporved one week STTP on “ Intergrating Research Methodology, Tools, Computer Vision & NLP”	39	23/12/2020 to 28/12/2020
2019-2020	IEEE, ISTE, IETE approved International Conference	140	19/12/2019 to 20/12/2019
2019-2020	Hands-on workshop on Arduino Programming in association with Embedded Vision Infotake pvt.ltd,	26	20/09/2019to 21/09/2019
2019-2020	Session on "5-G Mobile Communication in association with IETE".		9/20/2019

2019-20(FH20)	AICTE and /iSTE approved one week workshop on "PC H/W, S/W, Networking Troubleshooting and Advanced MS-Excel, Soft Skill, Photoshop, Tally"	27	11/5/2020 to 16/05/2020
2019-2020	Microsoft Certification Training Program	25	13th Jan 2020
2018-2019	IEEE, ISTE, IETE approved International Conference	156	21/12/2018 and 22/12/2018
2018-2019	AICTE and ISTE one week workshop on "PC Hardware , Advance excel and softskill Development"	27	01/01/2019 to 05/01/2019
2018-19 (SH18)	AICTE approved FDP on "Research Methodology, Research Proposal Writing and hands on Latex"		27/06/2018 to 1/07/2018
2018-19 (SH18)	AICTE and ISTE approved one week STTP on "Advance Trends in Information Technology".	33	2/7/2018 to 6/7/2018
2018-2019	IETE approved one week STTP on "Recent trends in Electronics and Telecommunication"	31	1/1/2019 to 5/1/2019
2018-19 (SH18)	AICTE and ISTE approved one week STTP on "Recent trends in Data Science".	33	1/1/2019 to 5/1/2019
2018-2019	AICTE and ISTE approved one week STTP on "Cloud Based IoT & Machine Learning Applications Using Python"	27	24/6/2019 TO 28/6/2019
2018-2019	ISTE Approved one week STTP on "Machine Learning and Data Science in Engineering Research "	27	22/1/2018 to 6/1/2018









**VASANTDADA PATIL PRATISHTHAN'S  
COLLEGE OF ENGINEERING AND VISUAL ARTS**

TRUST REGD. NO. F 6736 (MUMBAI)

NAAC ACCREDITATION FOR 5 YEARS : (28.03.2019 to 27.03.2024)

MBA ACCREDITED COURSES : (During 16.03.2012 to 14.03.2015) COMP. ENGG. / ELEX. ENGG. / EXTC. ENGG. / I.T.  
(F.No 28-110 / 2010 - NBA Dated 02/04/2012)

*Report Of  
ISTE Approved One Week Workshop  
On  
Soft Skill, Advance MS-Excel, PC & Networking  
Components Awareness & Its Troubleshooting*

The Computer Engineering, Information Technology, Artificial Intelligence and Data Science Departments collaboratively orchestrated a successful one-week workshop, held from January 2nd to January 6th, 2023. The workshop encompassed essential subjects such as Soft Skills, Advanced MS-Excel, and comprehensive awareness about PC and Networking components, including troubleshooting techniques.

The Workshop's inauguration commenced with a Saraswati Poojan, graced by Dr. Alam N Shaikh, Chief Guest and Principal of Vasantdada Patil Pratishthan's College of Engineering & Visual Arts. Dr. Alam Shaikh, the Honorable Principal, enlightened the audience about the importance of continuously updating academic knowledge and aligning it with industry demands. His guidance underscored the synergy between academia and industry in fostering holistic growth.

Throughout the week, we were fortunate to have our sessions led by accomplished and erudite faculty members who shared their extensive expertise and insights.

*On Day-1* (2nd January 2023), registration took place from 09:00 A.M. to 10:00 A.M. in online mode. The inauguration followed from 10:00 A.M. to 11:00 A.M. in Auditorium 216.

A session on Basic Excel, led by Mr. Hemant Parmar, was conducted in Language Lab - 006 from 11:00 A.M. to 1:00 P.M. In Language Lab - 006, Session 2 focused on Advanced Excel from 02:00 pm to 04:00 pm, guided by same.

*On Day-2* (3rd January 2023), Session 3 in Lab No - 302 covered hardware aspects: PC assembly, BIOS settings, and troubleshooting from 10:00 am to 1:00 pm. After a lunch break until 2:00 pm, Session 4 continued with networking topics including IP Address setting and Crimping, led by Mr. Latesh Choudhari, until 03:00 pm.

Day-3 (4<sup>th</sup> January 2023) Session 5 in Lab No - 006 / 302 covered Server-Client architecture, including Server Settings, Windows via Samba sharing, and Remote Desktop access, led by Mrs. Swapnali Ghadge from 03:15 pm to 04:30 pm. Session 6 in Lab No - 301, guided by her, focused on Ubuntu OS installation and software installation techniques from 10:00 am to 1:00 pm.

On Day-3 (4<sup>th</sup> January 2023), Session 6 in Lab No - 301, led by Mrs. Swapnali Ghadge, covers Ubuntu OS: installation and software installation from 10:00 am to 1:00 pm.

During Session 7 in Lab No - 301, scheduled from 02:00 pm to 04:00 pm and conducted by Mrs. Swapnali Ghadge, participants will delve into topics related to Printer installation and Ubuntu maintenance.

On Day-4 (5<sup>th</sup> January 2023), Session 8 in Language Lab - 006, guided by Prof. Archana from 10:00 am to 11:30 am, will provide a foundation in Basic Programming through the C Language.

During Session 9 in Language Lab - 006, Prof. Vijaya Sagvekar will lead an exploration of Basic Programming in SQL. The session is scheduled from 11:45 am to 1:00 pm.

Session 10 in Language Lab - 006, guided by Dr. Pravin Shinde from 2:00 pm to 4:00 pm, will encompass Basic Programming in languages like JAVA and Python.

Session 11, taking place in Auditorium-216, will focus on Skill Development Led by Mr. Hemant Parmar, the session will delve into topics of Communication Skill and Personality Development from 10:00 am to 12:00 pm.

The valedictory event marked the conclusion of the workshop. During the evening of the final day, gratitude was extended to the Advisory and committee members for their vital roles in the successful execution of the workshop. Sincere appreciation was also conveyed to the Trustee executive members, committee participants, and attendees, all of whom contributed to the triumphant one week workshop.

DAY-1



DAY-2





**VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF  
ENGINEERING & VISUAL ARTS**

AICTE – ISTE APPROVED ONE WEEK WORKSHOP FOR TECHNICAL &  
ADMINISTRATIVE STAFF

ON

**'SOFT SKILL, ADVANCED MS-EXCEL, PC & NETWORK COMPONENTS  
AWARENESS & IT'S TROUBLESHOOTING'**

Scheduled on 2<sup>nd</sup> to 6<sup>th</sup> January, 2023

Sr. No.	Topic	Timing	Resource Person
<b>Day-1 (2<sup>nd</sup> January 2023)</b>			
09:00 A.M. To 10:00 A.M. Registration (Online Mode)			
10.00 A.M. To 11.00 A.M. Inauguration- Auditorium (216)			
<b>Session 1 (Language Lab - 006)</b>			
1.	MS-Excel - Basic Excel	11:00 am to 1:00 pm	Mr. Hemant Parmar
1:00 P.M. To 2:00 P.M. Lunch Break			
<b>Session 2 (Language Lab - 006)</b>			
2.	MS-Excel - Advance Excel	02:00 pm to 04:00 pm	Mr. Hemant Parmar
<b>Day-2 (3<sup>rd</sup> January 2023)</b>			
<b>Session 3 (Lab No - 302)</b>			
3.	Hardware & troubleshooting - PC Assembling - BIOS setting - Hardware troubleshooting	10:00 am to 1:00 pm	Mr. Latesh Choudhari
1:00 P.M. To 2:00 P.M. Lunch Break			
<b>Session 4 (Lab No - 302)</b>			
4.	Networking - IP Address Setting - Crimping	02:00 pm to 03:00 pm	Mr. Latesh Choudhari
3.00 P.M To 3.15 P.M. Tea Break			
<b>Session 5 (Lab No - 006 / 302)</b>			
5.	Server client architecture - Server Setting - Window via Samba sharing - Remote desktop access	03.15 pm to 04.30 pm	
<b>Day-3 (4<sup>th</sup> January 2023)</b>			
<b>Session 6 (Lab No - 301)</b>			
6.	About Ubuntu OS - Ubuntu installation - Software installation	10:00 am to 1:00 pm	Mrs. Swapnali Ghadge
1:00 P.M. To 2:00 P.M. Lunch Break			

Session 7(Lab No - 301)			
7.	- Printer installation - Ubuntu maintenance	02:00 pm to 04:00 pm	Mrs. Swapnali Ghadge
Day-4 (5 <sup>th</sup> January 2023)			
Session 8 (Language Lab - 006)			
8.	Basic Programming - C Language	10:00 am to 11:30 am	Prof. Archana Salaski
11:30 A.M To 11:45 A.M. Tea Break			
Session 9 (Language Lab - 006)			
9.	Basic Programming - SQL	11:45 am to 1:00 pm	Prof. Vijaya Sagvekar
1:00 P.M. To 2:00 P.M. Lunch Break			
Session 10 (Language Lab - 006)			
10.	Basic Programming - JAVA - Python etc.	2:00 pm to 4:00 pm	Dr. Pravin Shinde
Day-5 (6 <sup>th</sup> January 2023)			
Session 11 (Auditorium- 216)			
11.	Skill Development & Valedictory Function - Communication Skill - Personality Development	10:00 am to 12:00 pm	Mr. Hemant Parmar
Day-5 (6 <sup>th</sup> January 2023)			
Session 12 (Auditorium- 216)			
12.	MCQ TEST	12:00 pm to 1:00 pm	Online Mode
Valedictory Function and Certificate Distribution 2.00 P.M. Onwards			



# VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF ENGINEERING AND VISUAL ARTS

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(F.No 28-110 / 2010 - NBA Dated 02/04/2012)

Office : Vasantdada Patil Educational Complex, Eastern Express Highway, Padmabhushan Vasantdada Patil Marg, Sion, Mumbai - 400 022.  
Tel: +91 22 2084 0325, 7226, 7228, 7229 | Fax : +91 22 2403 8717 | E-mail : principal@pvppcoe.ac.in | Web: www.pvppcoe.ac.in

Founder :  
Late MANOHAR PHALKE  
M.L.C.  
Treasurer :  
Adv. PRALHAD G. DESAI

President :  
Shri. NANDKUMAR M. KATKAR

Campus Director :  
Prof. ASHOK CHAVAN

General Secretary :  
Adv. APPASAHEB S. DESAI

Principal :  
Dr. ALAM N. SHAIKH

06/01/2023

VPPCOE&VA/Office/2022-23/355

## Thanking Letter

To  
Mr. Hemant Parmar.  
CEO, Fair Value Consultancy,  
Mumbai.

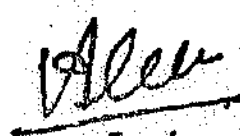
Respected Sir,

On behalf of the Management and the attendees I would like to thank you for being present as expert for Session "Advanced MS Excel & Soft skills" on 2<sup>nd</sup> January 2023 & 6<sup>th</sup> January 2023 in AICTE-ISTE approved one-week Workshop for Technical & Administrative Staff organized by VPPCOE & VA. Your kind presence in the program encouraged us a lot and made us more confident in our struggle. It was a great pleasure to host you at our organization as the Guest Speaker. Your session has provided us with a guideline to proceed more precisely for the improvement and enhancement of the knowledge. We hope that this courtesy and cooperation will continue in the future.

Thanking you,

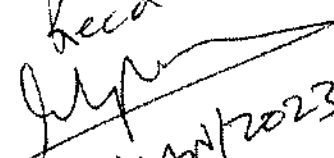
With warm regards,

  
Dr. Pravin V. Shinde  
Convener STTP

  
Dr. Alam N. Shaikh

Principal

Vasantdada Patil Pratishthan's College of  
Engineering and Visual Arts  
Vasantdada Patil Educational Complex, Eastern  
Express Highway, Padmabhushan Vasantdada  
Patil Marg, Sion, Mumbai - 400 022.

Recd.  
  
06/JAN/2023



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Dr. ALAM N. SHAIKH

05/01/2023

VPPCOE&VA/Office/2021-22/354

## Thanking Letter

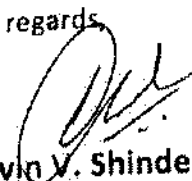
To  
Mr. Mayur Kulkarni  
Director,  
Jumbo Systems & Solutions Pvt. Ltd.


Respected Sir,

On behalf of the Management and the attendees I would like to thank you for being present as expert for Session "Client Server Architecture in Networking" on 5<sup>th</sup> January 2023 in AICTE-ISTE approved one-week Workshop for Technical & Administrative Staff organized by VPPCOE & VA. Your kind presence in the program encouraged us a lot and made us more confident in our struggle. It was a great pleasure to host you at our organization as the Guest Speaker. Your session has provided us with a guideline to proceed more precisely for the improvement and enhancement of the knowledge. We hope that this courtesy and cooperation will continue in the future.

Thanking you,

With warm regards,

  
Dr. Pravin V. Shinde  
Convener STTP

  
Dr. Alam N. Shaikh  
Principal

Vasantdada Patil Pratishthan's College  
Engineering and Visual Arts  
Vasantdada Patil Educational Complex, E  
Express Highway, Padmabhushan Vasant  
Patil Marg, Sion, Mumbai - 400 022

  
5/1/2023

Date :- 24/11/2022

To,  
The Director  
Vpp  
Slon, chunabhatti

Sub : Permission to conduct ISTE approve workshop for technical & non-teaching staff from 02/01/2023 to 06/01/2023

Respected Sir,

We Dr. Pravin Shinde & Mr. Shirish Patil organizing ISTE approve workshop for technical & non-Teaching staff to improve their technical skill & to make them aware about how to handle daily routing issues arises during their works.

So kindly grant us permission for above workshop. The requirement of workshop as follows.

Requirement	Rs
ISTE approve DD	1180
Expert Session Remuneration	3000
Banner	1000
Brochure	300
5 Days Tea & Snacks	

Total ⇒ 5480 Rs

You're truly,  
Dr. Pravin Shinde.

Forwarded with recommendation  
to the Hon. General Secretary, VPP  
for approval and necessary action.

Ashok D Chavan  
24/11/2022



10<sup>th</sup> July 2022

A Brief Report on  
**ISTE Approved One Week Short Term Training Program (STTP)**  
on  
**“ADVANCED CONCEPTS, TOOLS & APPLICATIONS OF  
BLOCKCHAIN & SECURITIES”**

**Duration:** 4<sup>th</sup> July to 9<sup>th</sup> July 2022

**Participants:** Faculty from AICTE approved engineering colleges.

➤ **STTP Objectives:**

- Objective of the STTP is to introduce the application of BLOCKCHAIN & SECURITIES to handle real world problem effectively.
- The main focus of the STTP is to impart knowledge of forensic methods using forensic tools.
- Awareness about cyber crimes and laws.

➤ **Expected STTP Outcome:**

Participants will be able to:

- Use the digital forensics tools.
- Understand the cyber crimes and laws.
- Apply different security measures to protect their data

➤ **Chief Patrons:**

1. Sr. Adv. Appasaheb Desai, (General Secretary, PVPPCOE)

➤ **Patron:**

- Dr. Alam N. Shaikh (Principal, VPPCOE and Campus Director VPP)

➤ **Keynote Speaker:**

- Mr. Prasad Ghag, Sr. Manager in TCS Mumbai.

➤ **Speakers:**



1. Mr. Prasad Ghag, Sr. Manager in TCS Mumbai
2. Mr. Bhushan Pawar. He is a blockchain consultant in company liminal.
3. Dr. Prashant Lokhande, Associate Professor Pillai college of engg. Panvel
4. Prof. Vinod Alone., Professor, VPPCOE, Sion, Mumbai

➤ **Convener:**

- Dr. Mahavir A. Devmane (HOD, Computer)

➤ **Coordinators:**

1. Prof. Asha Rawat
2. Prof. Priyanka Rane

*Asha*

*ADDevmane*

➤ **Conduct:**

Total No. of Participants: 57



**DAY 1 – 04/07/2022 (Monday)**  
**Venue: - Auditorium (216)**  
**Inauguration of STTP and Key Note Address**

**Session 1**

**Time: 10:00 AM to 11:00 AM**

One Week AICTE and ISTE Approved Short Term Training Program (STTP-2022) was organized from 4<sup>th</sup> July to 9<sup>th</sup> July 2022 on “**ADVANCED CONCEPTS, TOOLS & APPLICATIONS OF BLOCKCHAIN & SECURITIES**”. The workshop was arranged to explore the application of blockchain & cyber security concepts and methods to handle real world problem in cyber security effectively and efficiently.

The programme started with lighting of lamp by the guest, Mr. Prasad Ghag, Sr. Manager in TCS Mumbai. and Dr. Alam N. Shaikh (Principal, VPPCOE and Campus Director VPP), Dr. Mahavir Devmane (Convener of STTP) followed by the singing of the Saraswati Vandana.

Dr. Alam N. Shaikh felicitated Mr. Prasad Ghag by offering a sapling.

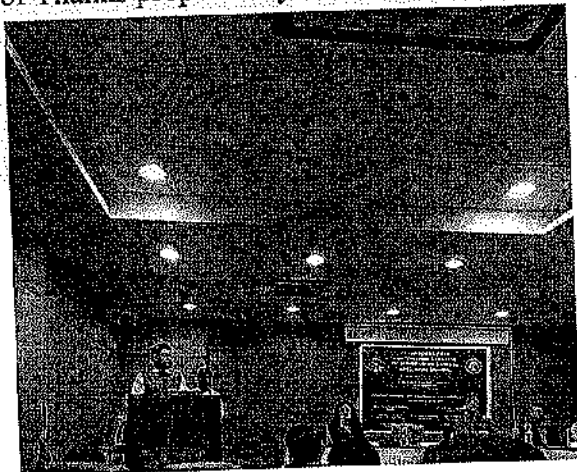
A heart-warming welcome remark was delivered by Prof. Priyanka Rane (Coordinator STTP 2022) and addressed the importance and contents of the training program.

The session further continued with the address of our Principal Dr. Alam N. Shaikh. He spoke about the initiatives of ISTE/STTP, the different programs conducted by them and encouraged participants to come forward and contribute effectively in such programs. He further explained how such programs help in developing Research & Development culture in educational institutes.

Dr. Mahavir Devmane (Convener, STTP 2022) enlightened the importance and contents of the STTP.

The session further continued with the address of Mr. Prasad Ghag, who enlightened the participants about the importance of such training programs. He even mentioned that the primary objective of this endeavor is to impart knowledge of blockchain and tools. Also create awareness about cyber crimes and laws.

The last address of the session was Vote of Thanks proposed by Prof. Asha Rawat.









**DAY 1 – 04/07/2022 (Monday)**

**Venue: - Auditorium (216)**

**Time: - 12:15 am to 1:15 pm & 02.00 pm to 4.00 pm**

**Speaker: - Mr. Prasad Ghag**

**Topic Covered**

- Concept of blockchain
- Cyber Security Frameworks
- SIEM and SOAR Architectures & use cases
- Incident Response
- Threat Intelligence Services
- Data Privacy
  
- Cyber Kill Chain
- Top Trends 2022 and ahead
- Cyber attacks Landscape
- How cyber security can be implemented
- Sociology of cyber criminals
- Social Engineering
- Cyber crime techniques
- VOIP Hacking & Countermeasures





**DAY 2 – 05/07/2022 (Tuesday)**

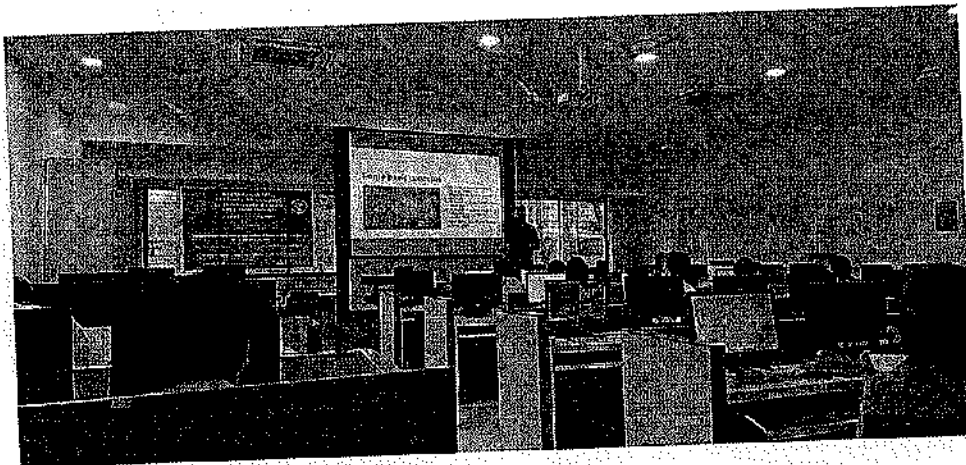
**Venue: - CC Lab**

**Time: - 10:00 am to 1:00 pm & 02.00 pm to 4.00 pm**

**Speaker: - Mr. Bhushan Pawar. He is a blockchain consultant in company liminal.**

**Topic Covered**

- Mr. Bhushan Pawar has explained and demonstrated different case studies in Cyber security.
- He continued further by explaining the Public Key Cryptography techniques and Digital Signatures.
- He also shared the different Secret Sharing Schemes with the participants and also explain the importance of these schemes.
- The importance of cyber security.
- Challenges of cyber security.
- Managing cyber security.
- The three pillars of data security.
- Elements of cyber security.
- Cyber attacks and cyber security threat.
- How to protect against cyber security attacks.





**DAY 3 – 06/07/2022 (Wednesday)**

**Venue: - Auditorium (216)**

**Time: - 10:00 am to 1:00 pm & 02.00 pm to 4.00 pm**

**Speaker: - Mr. Bhushan Pawar. He is a blockchain consultant in company liminal.**

He started the day with following Contents:

- Cyber security in banking sectors
- Case studies of frauds in banking sectors





**DAY 4 – 07/07/2022 (Thursday)**

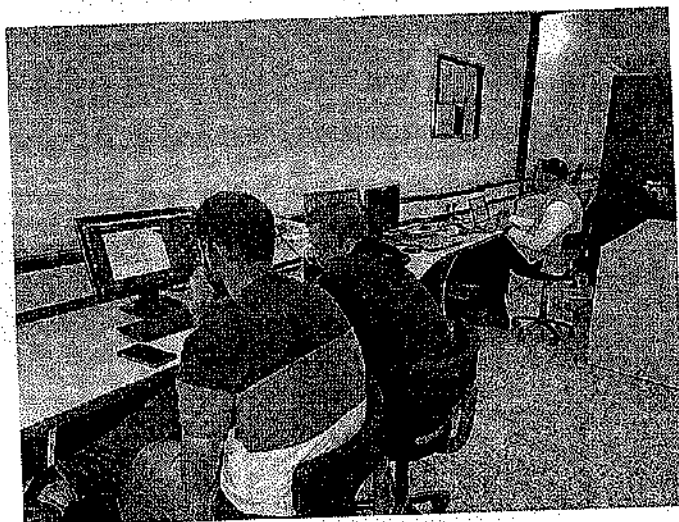
**Venue: - Lab No. 316**

**Time: - 10:00 am to 1:00 pm & 02.00 pm to 4.00 pm**

**Speaker: - Dr. Prashant Lokhande, Associate Professor Pillai college of engg. Panvel**

She started the day with following Contents with their demonstrations:

- What is Digital Forensics
- Incidence Response
- Preserving and recovering digital evidence
- Hands-on Digital Forensics tools like Winhex
- Case study on email spoofing
- Demo on web backdoor
- Live data collection from Unix system
- How to create response toolkit
- Forensics duplicates
- Demo of creating forensic duplicate of hard disk
- Recovering deleted files in windows system
- Recovering deleted filed in unix system
- Bit coin and Crypto currency
- A look at blockchain technology
- Potential applications of blockchain far beyond bitcoin and cryptocurrency





**DAY 5 – 8/07/2022 (Friday)**

**Venue: - CC Lab**

**Time: - 10:00 AM to 1:00 PM**

**Speaker: Mr. Bhushan Pawar.** He is a blockchain consultant in company liminal.

He started the day with following Contents with their demonstrations:

- Introduction to Cyber security and Laws
- Federal Cyber security Laws
- State-Specific Security Regulations
- The General Data Protection Regulation (GDPR)
- California's SB-327 Bill for IoT Security
- Privacy and data protection laws
- Intellectual Property (IP) Laws



**DAY 6 – 9/07/2022 (Saturday)**

**Venue: - Auditorium**

**Time: - 10:00 PM to 12:00 PM**

**Speaker: Prof. Vinod Alone, Associate Prof. VPPCOE Sion**

He started the day with following Contents with their demonstrations:

- ❑ Introduction to block chain
- ❑ How to install metabox
- ❑ State-Specific Security Regulations

**MCQ Test conducted for 30 marks**



**Valedictory Function**  
**Venue: - Auditorium (216)**  
**Time: - 3:30 PM to 4:30 PM**

The program ended with the valedictory function which was graced by the presence of Dr. Alam N. Shaikh (Principal, VPPCOE and Campus Director VPP), Dr. Mahavir Devmane ( Convener and HOD, Computer Engg. VPPCOE).

Dr. Alam N. Shaikh (Principal, PVPPCOE), in his valedictory talk, congratulate coordinators and organizing committee for the successful conduct of STTP-2022. He emphasized the need of such programs as they provide a unique opportunity to explore the boundaries of what is currently known in domains of blockchain & securities. He also mentioned that such programs provide a common platform to discuss and learn new methodology to upgrade ourselves.

The function ended with a Vote of Thanks presented by Prof. Priyanka Rane (Coordinator STTP-2022).

Valedictory function was further preceded with the distribution of certificates to the participant's.

The Valedictory function concluded with playing the National Anthem.





# Vasantdada Patil Pratishthan's College of Engineering & Visual Arts

|| NAAC Accredited, AICTE Approved || Recognized by DTE Government of Maharashtra. || Affiliated to University of Mumbai ||

## Department of Information Technology

### A Brief Reporton

### One Week Faculty Development Program (FDP) in association with

### Spoken Tutorial IITB,

### MumbaiOn

### “PHP and MySQL”

A faculty development program was organized by Department of Information Technology in association with Spoken Tutorial, IIT Bombay under IQAC. The FDP was conducted on the topic “PHP and MySQL”. It was scheduled from 27<sup>th</sup> June 2022 to 2<sup>nd</sup> July 2022.

**PHP** is a widely-used Open Source general purpose scripting language. It allows web developers to create large websites quickly. Using PHP online discussion forums, content management system, e-learning management system can be developed.

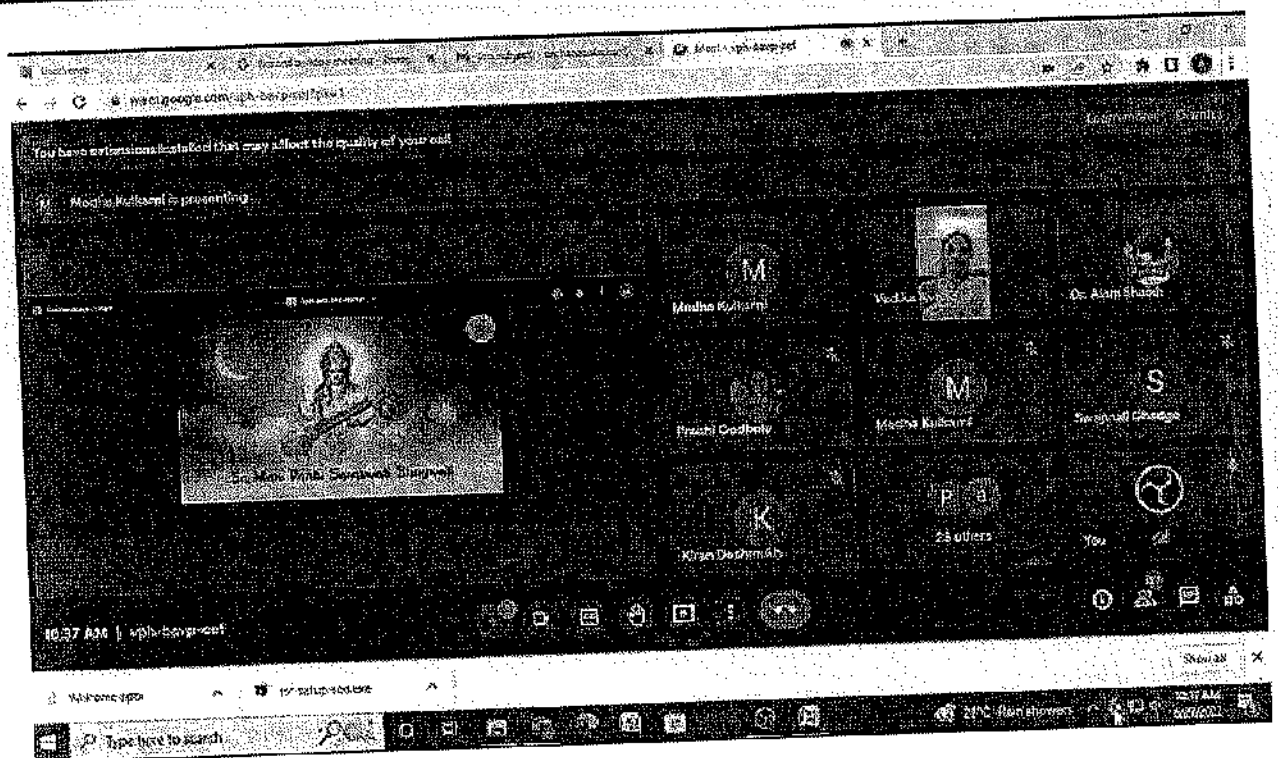
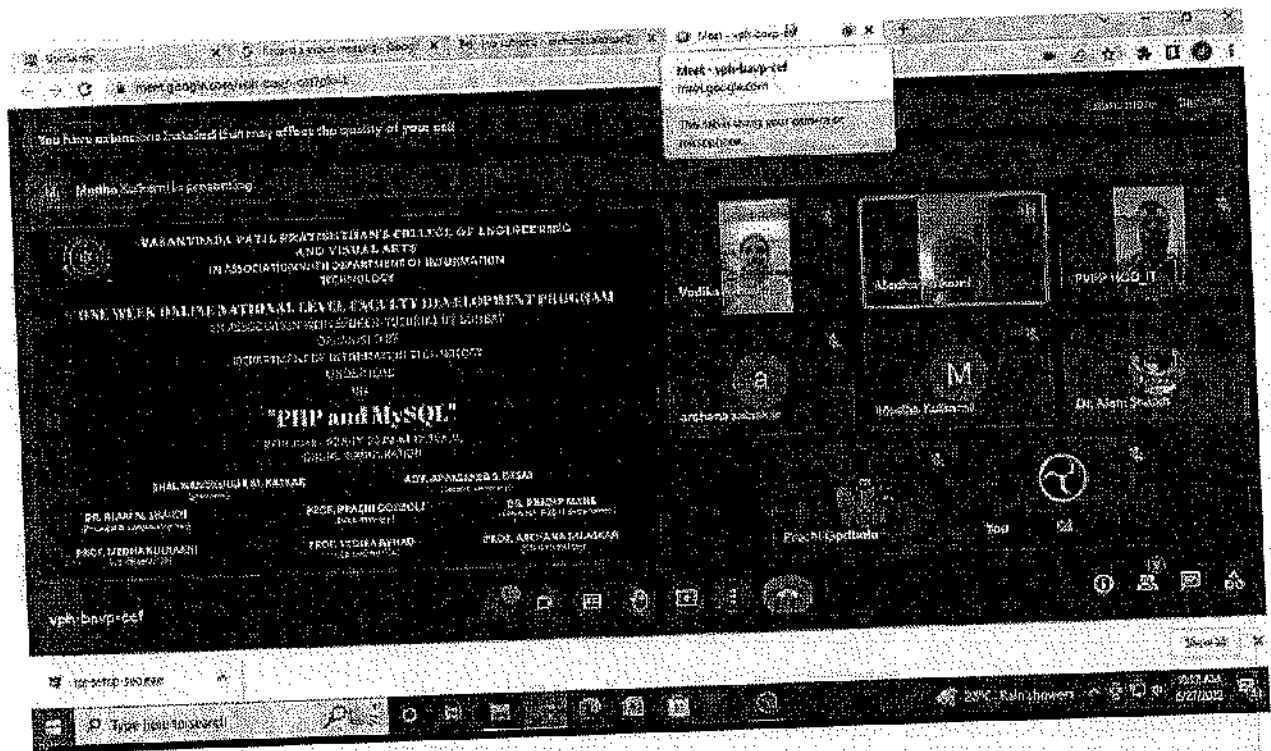
**MySQL** is a relational database management system that runs as a server providing multi-user access to a number of databases. “phpMyAdmin” is a third party open source software that is used for managing MySQL databases easily and quickly. Applications developed using PHP and MySQL provide high scalability and flexibility along with high speed and performance.

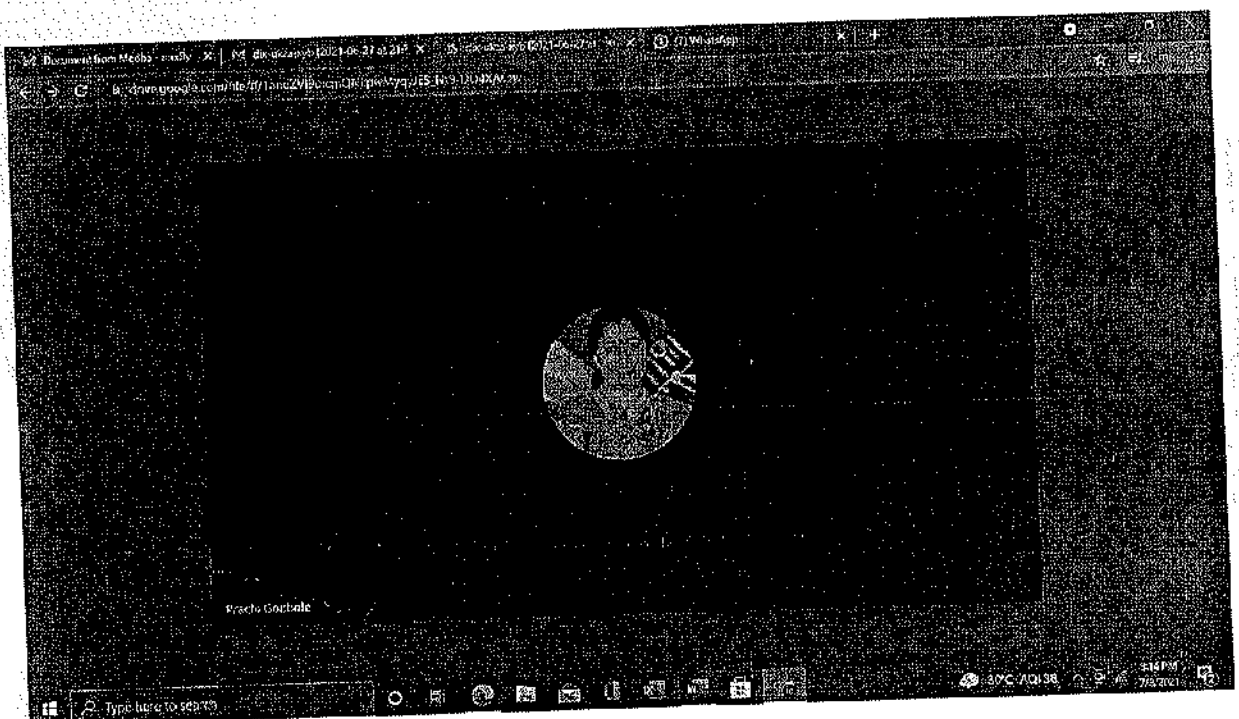
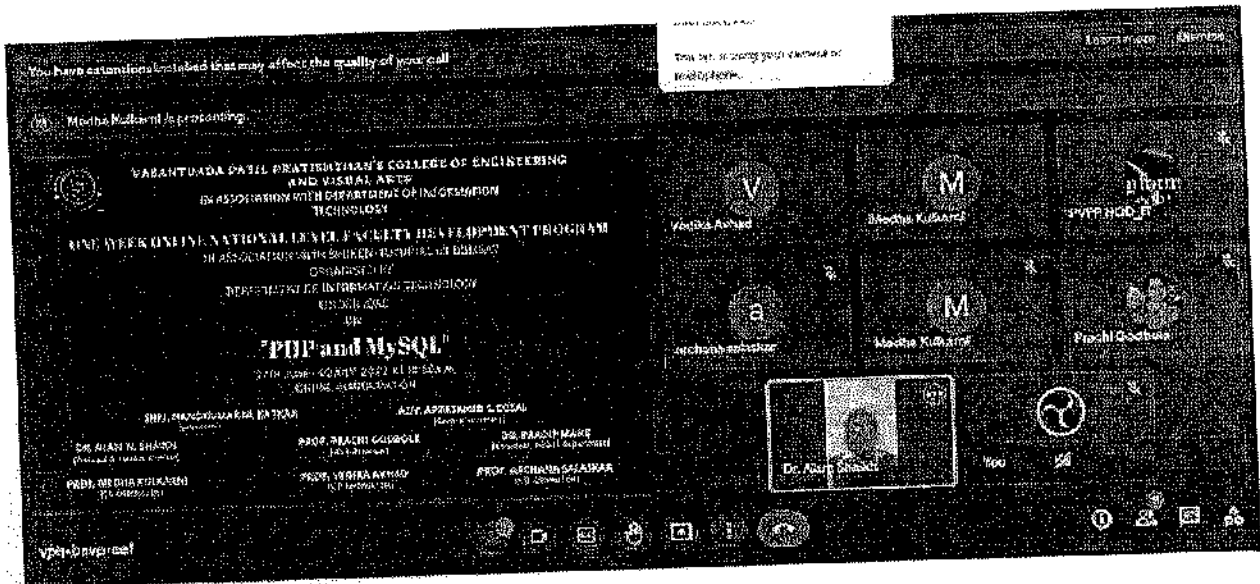
The Convener for this FDP was Dr. Pradip Mane, HOD IT department and the coordinators for the same were Prof. Medha Kulkarni, Archana Salskar and Prof. Vedika Avhad. The online inauguration program was held on 27<sup>th</sup> June 2022 at 10.30am and hosted by FDP’s Co-ordinator Prof. Vedika Avhad. It started by seeking the blessings of Goddess Saraswati followed by the Convener’s address. There were a total of 45 participants for this FDP. It was instructed to all the participants to listen to the sessions according to the schedule.

The topics were explained in simple language using audio-videos. Participants can learn at their own pace and by doing Learn and Practice simultaneously. Everyday’s list of topics had been informed to all the participants.

The honorable Principal & Campus Director Dr. Alam N Shaikh also addressed the meet by giving his motivational words for the participants. The Vice-Principal Prof. Prachi Godbole also addressed the gathering by saying few words on this occasion and motivated the participants. Prof. Medha Nitin Kulkarni briefed about the importance of PHP and MySQL along with its applications.

Followings are the some of the glances of the inauguration program which conducted virtually.





FDP covered the various topics from basics of PHP to how to handle sessions and cookies. The database management operations are also in detail.

On 4<sup>th</sup> July 2022, an online examination was conducted by Spoken Tutorial, IIT-B. The participants who scored greater than 40% marks got a certificate from Spoken Tutorial, IIT-B. A sample certificate is as given below.



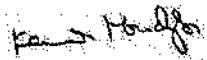
Spoken Tutorial  
Project at  
IIT Bombay

## Certificate of Participation

AN  
NATIONAL MISSION ON  
TEACHERS AND TEACHING

This is to certify that vedika Avhad has participated in Paid FDP from 2022-06-27 to 2022-07-02 on PHP and MySQL organized by VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF ENGINEERING & VISUAL ARTS with course material provided by Spoken Tutorial Project, IIT Bombay.

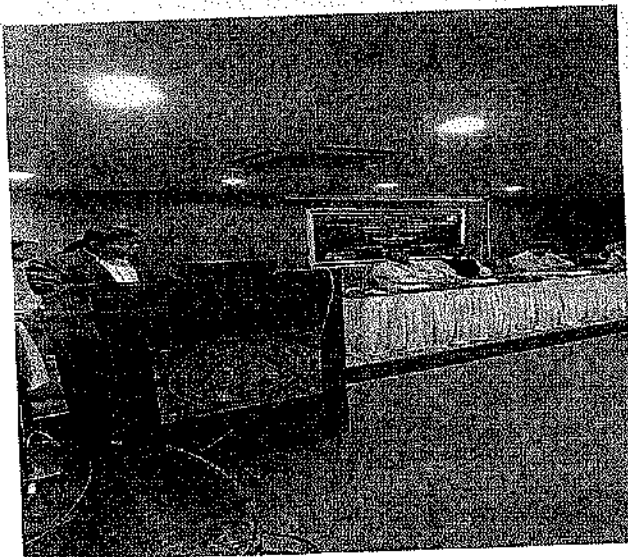
This training is offered by the Spoken Tutorial Project, IIT Bombay.

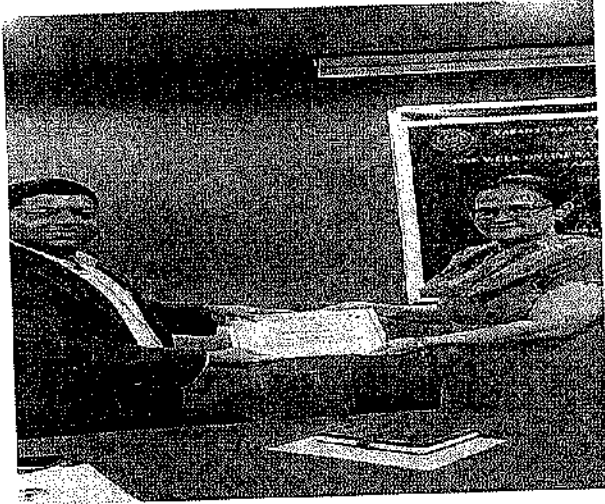
  
Prof. Kanan M. Moudgal  
IIT Bombay

Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT, Ministry of Education (previously MHRD), Govt. of India

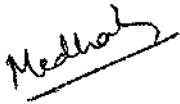

On 6<sup>th</sup> July 2022, valedictory function was held at 4.00pm in the seminar hall of the institute. Convenor of FDP, Dr. Pradip Mane gave a review of FDP conducted. The Principal and Vice principal congratulated the organizing team and participants. FDP Co-ordinator, Mrs. Medha Kulkarni, presented the vote of thanks to the Management of VPCOE & VA, Principal sir, Vice-Principal Madam, participants, teaching and non-teaching staff of the IT department for helping in conducting this FDP successfully.

Following are some glimpses of the valedictory program.





Thankyou!

Prof. Medha Kulkarni	Prof. Archana Salaskar	Prof. Vedika Avhad	Dr. Pradip Mane
			
Coordinator	Coordinator	Coordinator	Convener and H.O. D. IT Department



11th January, 2023

**A Brief Report on**  
**AICTE - ISTE Approved One Week Short Term Training Program**  
**(STTP)**  
**On**  
**“APPLIED DATA SCIENCE & MACHINE LEARNING”**

**Duration:** 2<sup>nd</sup> January to 7<sup>th</sup> January 2023

**Participants:** Faculty from AICTE approved engineering colleges.

➤ **STTP Objectives:**

- Objective of the STTP is to help learning the concepts, methods and techniques in Data Science and Machine Learning.
- The main focus of the STTP is to impart knowledge of Data Science using various machine learning and data science tools.
- To develop proficiency in Data Science.

➤ **Expected STTP Outcome:**

Participants will be able to:

- Understand the concept of Data Science and machine learning .
- Apply different techniques to analyze the raw data sets.
- Use the various tools and technique.

➤ **Chief Patrons:**

1. Shri. Nandkumar M. Katkar, (President, VPPCOE & VA)
2. Sr. Adv. Shri. Appasaheb Desai, (General Secretary, VPPCOE)

➤ **Patrons:**

1. Prof. Ashok Chavan (Campus Director, VPPCOE & VA)
2. Dr. Alam N. Shaikh (Principal, VPPCOE & VA)
3. Mr. Varun Desai (Administrative Officer, VPPCOE & VA) .

➤ **Speakers:**



1. Mr. Yameen Hakim,
2. Mr. Balwant Gorad. He is working as a lead AI in Squats Fitness Pvt. Ltd.

➤ **Convener:**

1. Dr. Rais A. Mulla, (HOD, Comp. Dept, VPPCOE & VA)

➤ **Coordinators:**

1. Prof. Prajakta Khelkar (Asst. Prof. , Comp. Dept.)
2. Prof. Atul Shintre (Asso. Prof. , Comp. Dept.)

➤ **Conduct:**

Total No. of Participants: 57

**DAY 1 – 02/01/2023 (Monday)**

**Venue: - Auditorium (216)**



## Inauguration of STTP and Key Note Address

### Session 1

Time: 10:00 AM to 11:00 AM

One Week AICTE and ISTE Approved Short Term Training Program (STTP-2019) was organized from 02<sup>nd</sup> January to 7<sup>th</sup> January 2023 on “**Applied Data Science and Machine Learning**”. The workshop was arranged to explore the application of data science and machine learning concepts to handle real world problem effectively and efficiently.

The programmer started with lighting of lamp by the guest, Mr. Yameen Hakim, Sr. Manager in TCS Mumbai and Dr. Alam N. Shaikh (Principal, VPPCOE & VA) and Prof. Ashok Chavan (Campus Director VPPCOE & VA), Dr. Rais Mulla (Convener of STTP) followed by the singing of the Saraswati Vandana.

Dr. Alam N. Shaikh felicitated Mr. Prasad Ghag by offering a sapling.

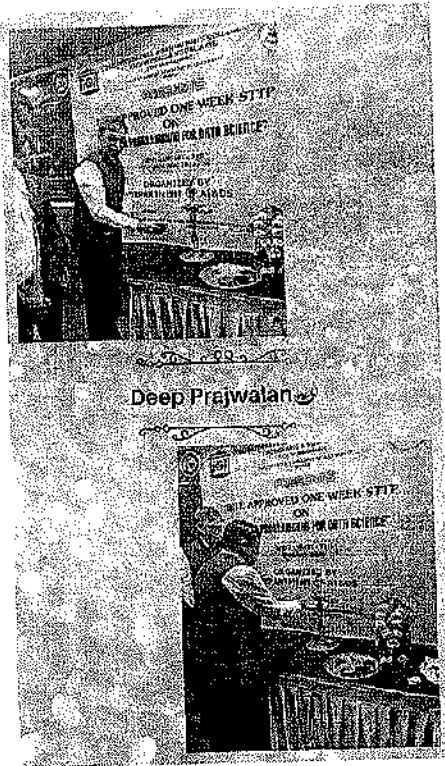
The session further continued with the address of our Principal Dr. Alam N. Shaikh. He spoke about the initiatives of ISTE/STTP, the different programs conducted by them and encouraged participants to come forward and contribute effectively in such programs. He further explained how such programs help in developing Research & Development culture in educational institutes.

The session further continued with the address of our Campus Director Prof. Ashok Chavan, who enlightened the participants about the importance of such training programs. He even mentioned that the primary objective of this endeavor is to impart knowledge on advanced technologies.

A heart-warming welcome remark was delivered by Dr. Rais Mulla (Convener STTP 2023) and addressed the importance and contents of the training program.

The last address of the session was Vote of Thanks proposed by Prof. Asha Rawat.









**DAY 1 – 02/01/2023 (Monday)**

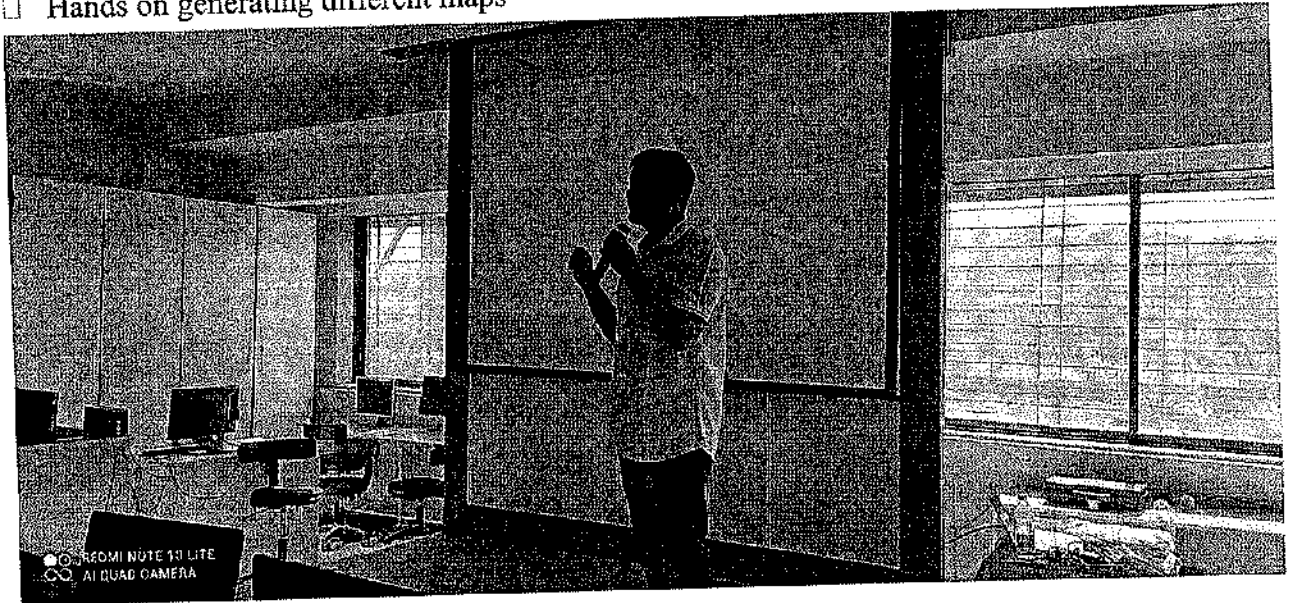
**Venue: - CC Lab**

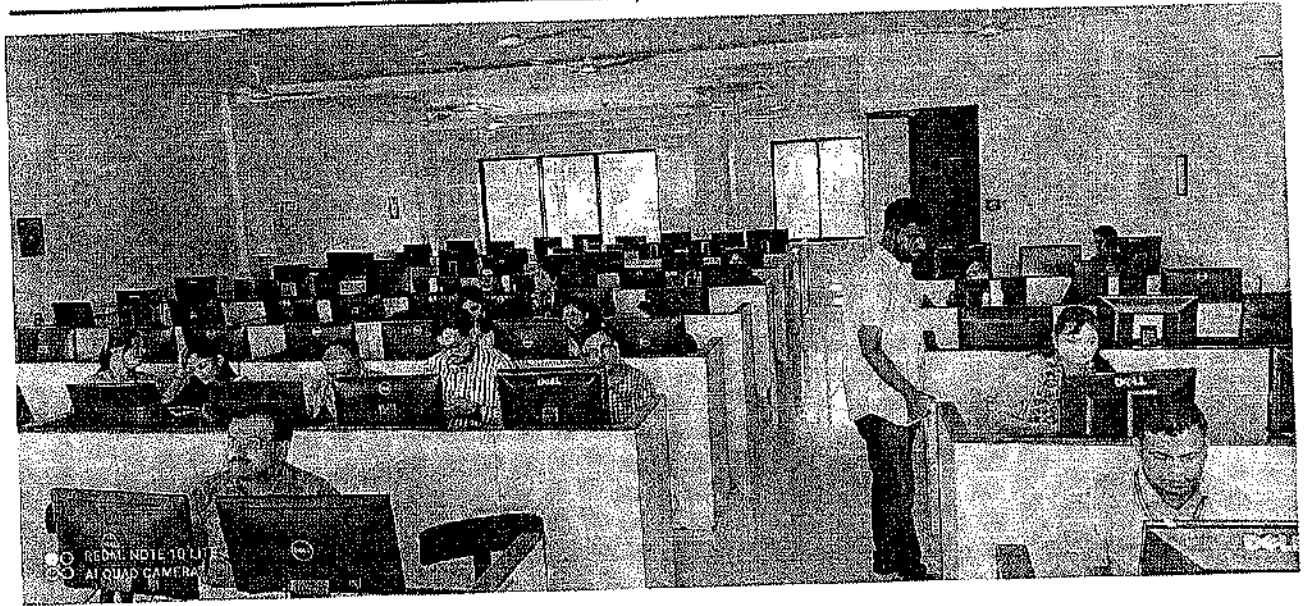
**Time: - 11:30 am to 1:15 pm & 02.00 pm to 4.00 pm**

**Speaker: - Mr. Yameen Hakim**

**Topic Covered**

- Concepts of Data Science
- Basics of Python
- Hands on using Jupyter Notebook
- Data types, Keywords and Methods
- String methods
- List and their features
- Hands on using Numpy
- Numerical Calculations
- Matplotlib
- Hands on generating different maps







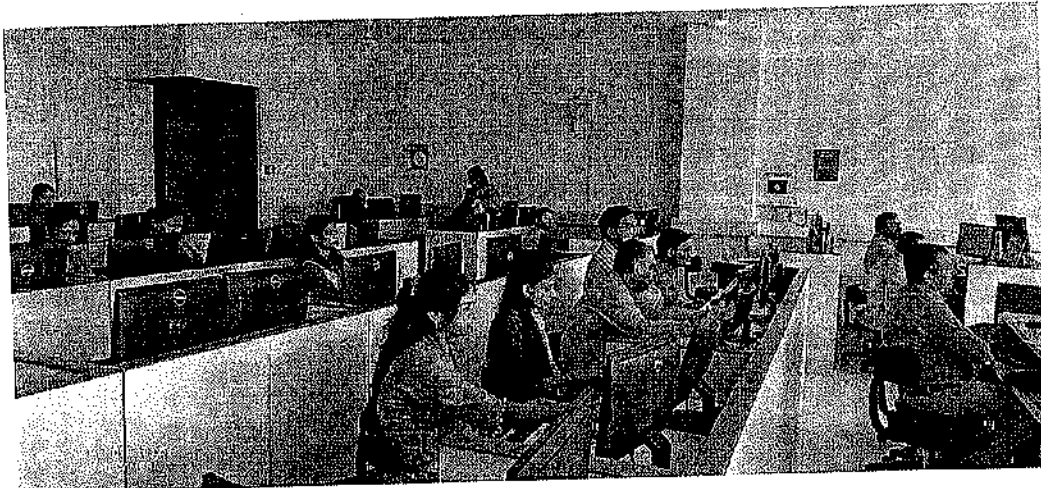
**DAY 2 – 03/01/2023 (Tuesday)**

**Venue: - CC Lab**

**Time: - 10:00 am to 1:00 pm & 02.00 pm to 4.00 pm**

**Speaker: - Mr. Yameen Hakim**

**Topic Covered**





**DAY 3 – 04/01/2023 (Wednesday)**

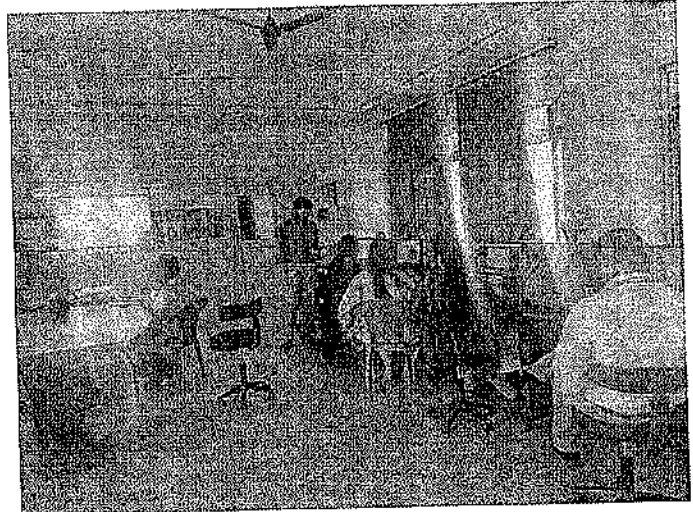
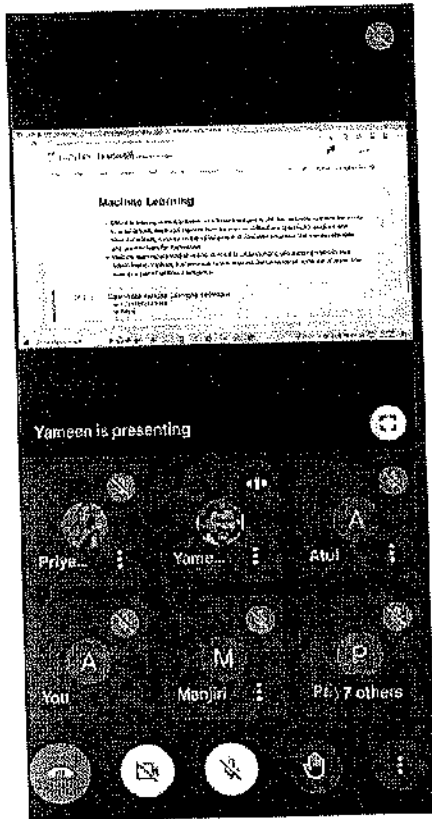
**Venue: - Lab (305)**

**Time: - 02.00 pm to 4.00 pm**

**Speaker: - Mr. Yameen Hakim**

The session was conducted in hybrid mode. The following topics were covered:

- Concepts of Machine Learning.
- Introduction of supervised and unsupervised learning.
- Introduction of Classification and Regression techniques.
- Hands on for Classification.
- Dividing data's for testing and training



**DAY 4 – 05/01/2023 (Thursday)**

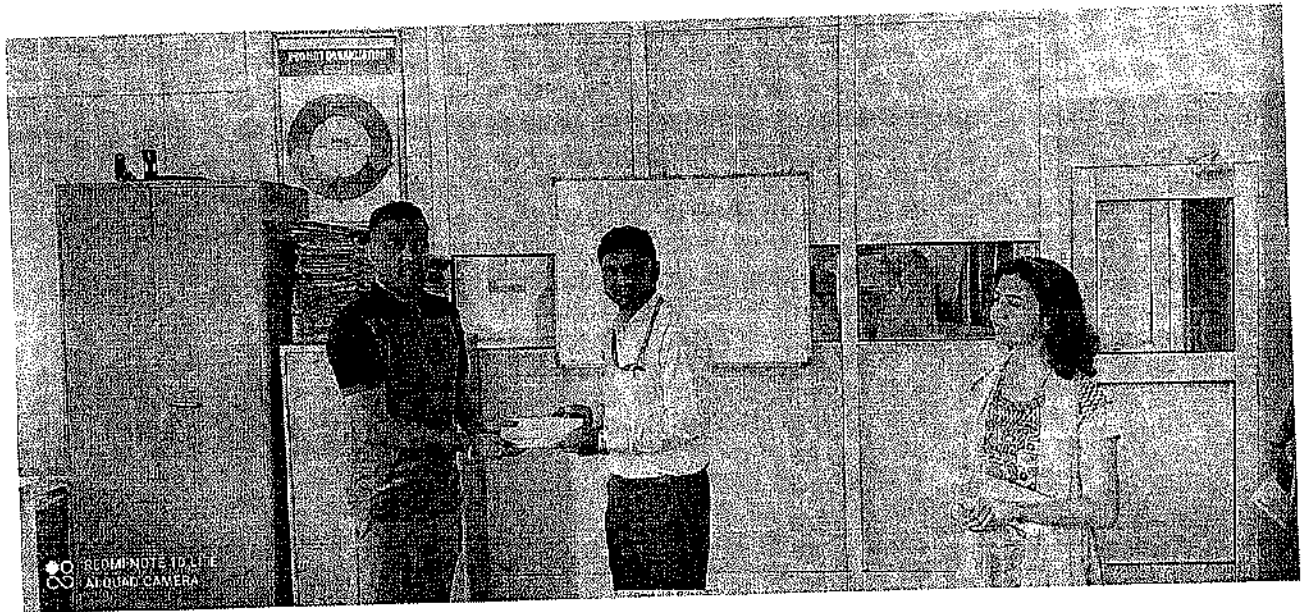
**Venue: - Lab No. 305**

**Time: - 10:00 am to 1:00 pm & 02.00 pm to 4.00 pm**

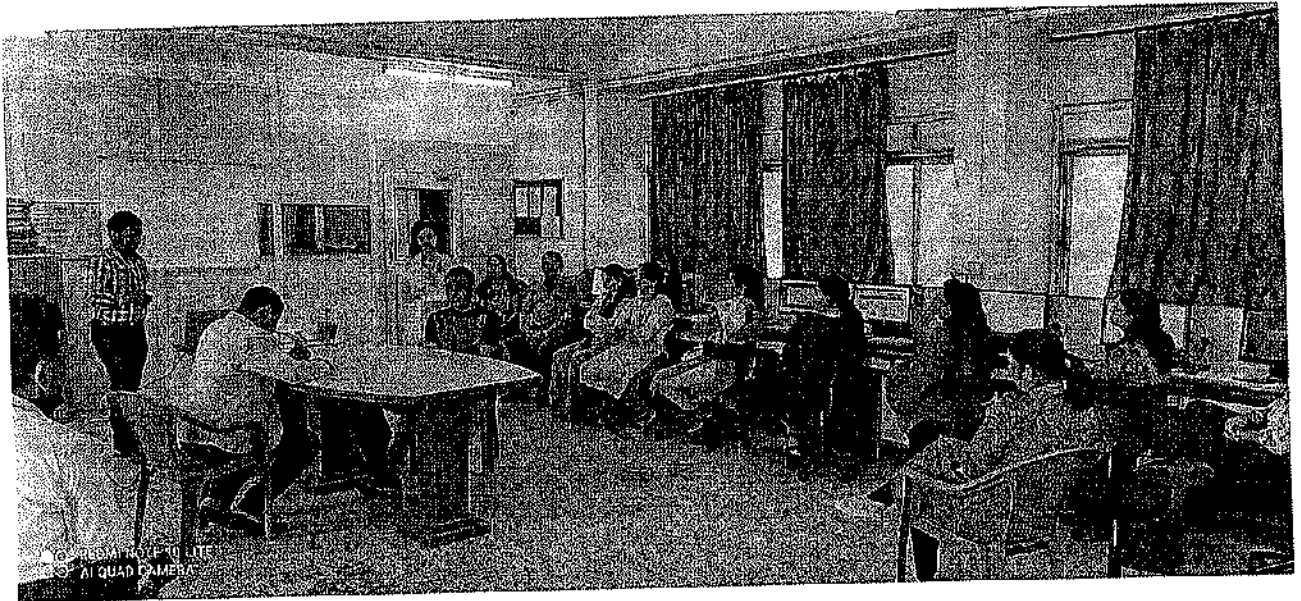
**Speaker: - Dr Mr. Balwant Gorad. He is working as a lead AI in Squats Fitness Pvt. Ltd.**

Following topics were covered:

- Concepts of Artificial Intelligence and machine Learning.
- Real time Examples.
- End to End Real time ML industry application building and its Deployment.
- Used various software, packages and tools.
- Hands on for Deployment using seven different Algorithms.
- Handling different frameworks used for ML.







**DAY 5 – 06/01/2023 (Friday)**

**Venue: - CC Lab**

**Time: - 10:00 AM to 1:00 PM**

**Speaker: Mr. Bhushan Pawar. He is a blockchain consultant in company liminal.**

He started the day with following Contents with their demonstrations:

- Introduction to Cyber security and Laws
- Federal Cyber security Laws
- State-Specific Security Regulations
- The General Data Protection Regulation (GDPR)
- California's SB-327 Bill for IoT Security
- Privacy and data protection laws
- Intellectual Property (IP) Laws



**DAY 6 – 07/01/2023 (Saturday)**

**Venue: - Auditorium (216)**

**Time: - 3:30 PM to 4:30 PM**

### **Valedictory Function**

The program ended with the valedictory function which was graced by the presence of Dr. Alam N. Shaikh (Principal, VPPCOE and Campus Director VPP), Dr. Rais A. Mulla (Convener and HOD, Computer Engg. VPPCOE).

Dr. Alam N. Shaikh (Principal, PVPPCOE), in his valedictory talk, congratulate coordinators and organizing committee for the successful conduct of STTP-2023. He emphasized the need of such programs as they provide a unique opportunity to explore the boundaries of what is currently known in domains of Data Science & Machine Learning. He also mentioned that such programs provide a common platform to discuss and learn new methodology to upgrade ourselves.

The function ended with a Vote of Thanks presented by Prof. Sarala Mary.

Valedictory function was further preceded with the distribution of certificates to the participant's.



The Valedictory function concluded with playing the National Anthem.



## REPORT

**Event Name:** AICTE - ISTE Approved One week STTP on “Emerging Trends in Data Science and Data Security”

**Duration:** 2<sup>nd</sup> Jan 2023 to 7<sup>th</sup> Jan 2023

**Organized By:** Department of Information Technology

VasantdadaPatilPratishthan's College of Engineering & Visual Arts, Department of Information Technology organized one week AICTE - ISTE Approved STTP on “Emerging Trends in Data Science and Data Security” during 2<sup>nd</sup> Jan 2023 to 7<sup>th</sup> Jan 2023.

The inauguration started with Saraswatipoojan. Program Hosted by Prof VedikaAvhad has delivered welcome address. The honorable Principal of the institution Dr.Alam N. Shaikh has addressed Participants . Our IT HOD and program Convener Dr. Pradip Mane welcomed the chief guest. Program Co-coordinator has taken the privilege and introduced STTP Schedule. Chief guest of the day has share their experience. Hands-on sessions on “Data Science & Machine Learning” has taken by Mr. Yamin Hakim, Vim Digitech, Pune. Seminar and Hands-on sessions on Latest Trends in DS,Life cycle in DS,Use of Data Science in customer service area, Data science and Data security applications and use cases were conducted by renowned experts of Data Science and Data Security domain. One session on Intellectual Property Rights was conducted by Ms. Jaspreet Kaur, Patent Examiner, Patent Office Mumbai.

Meet link is shared for participants on virtual platform. Total 48 pparticipants including faculty members and students were benefited by this STTP.



The STTP was conducted as per the following Schedule.

Sr. No.	Date/ Day	Name of Speaker	Topics	Meet link
1	2/1/2023 Monday	Inauguration	----	<a href="https://youtube/9dJMO7rGmoE">https://youtube/9dJMO7rGmoE</a>
		Mr. Yammen Hakim	Data Science - Deep Introduction & Applications	<a href="https://meet.google.com/vku-dksk-dsf">https://meet.google.com/vku-dksk-dsf</a>
2	3/1/2023 Tuesday	Mrs. Shweta Patil, Eclerx	Latest Trends in DS Life cycle in DS Use of Data Science in customer service area	<a href="https://meet.google.com/nvn-stad-edg">https://meet.google.com/nvn-stad-edg</a>
3	4/1/2023 Wednesday	Mak Landge Brand Ambassador Liminal,	Data Science Hands On [Google Colab]	<a href="https://meet.google.com/joo-uqyf-sqk">https://meet.google.com/joo-uqyf-sqk</a>
4	5/1/2023 Thursday	Ms. Anita Patil	Secure your Digital Future Data Security with Application Hands on [Kali]	<a href="https://meet.google.com/joo-uqyf-sqk">https://meet.google.com/joo-uqyf-sqk</a>
5	6/1/2023 Friday	Ms. Jaspreet Kaur	IPR	<a href="https://meet.google.com/joo-uqyf-sqk">https://meet.google.com/joo-uqyf-sqk</a>
6	7/1/2023 Saturday	Dr. Pradip Mane	Data Science Applications – Hands On	<a href="https://meet.google.com/joo-uqyf-sqk">https://meet.google.com/joo-uqyf-sqk</a>
7	9/1/2023	Valedictory Function	---	
		Quiz	Online Exam	<a href="https://forms.gle/8ZcrxaimoziGwPp9">https://forms.gle/8ZcrxaimoziGwPp9</a>

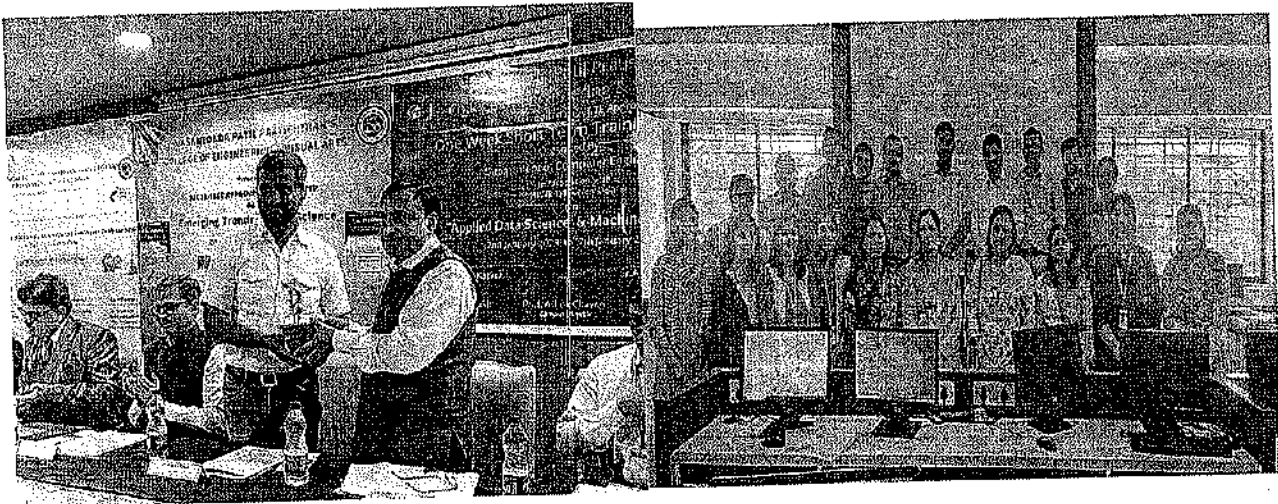
**Dr. Pradip Mane**    **Prof. Sonali Pakhmode**  
Convener & HoD IT    STTP Coordinators

**Dr. Gayatri Bachhav**  
Co-Cordinators

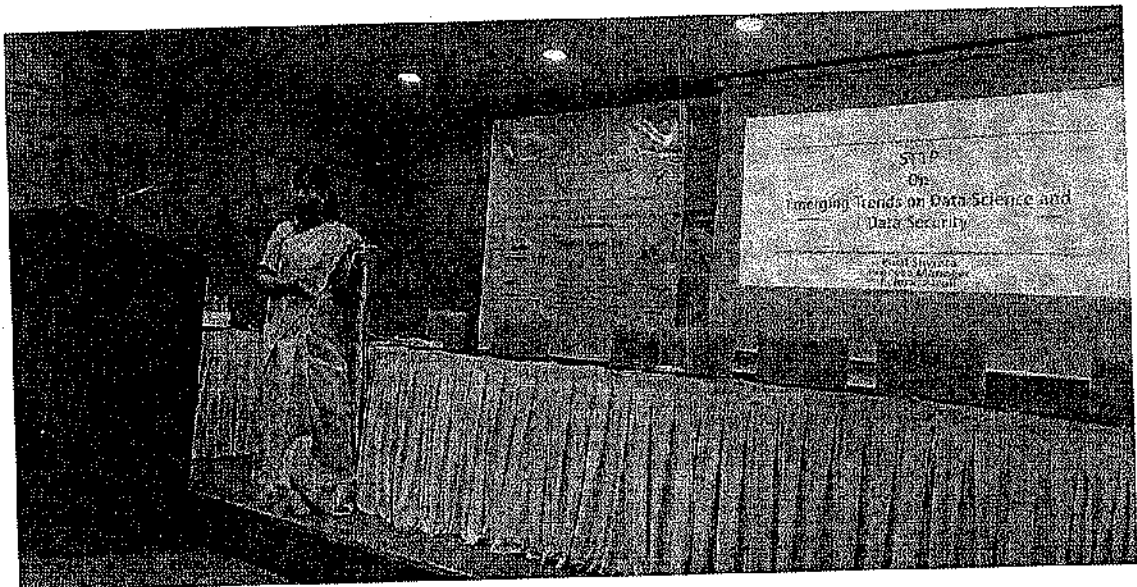




### Day 1



### Day 2

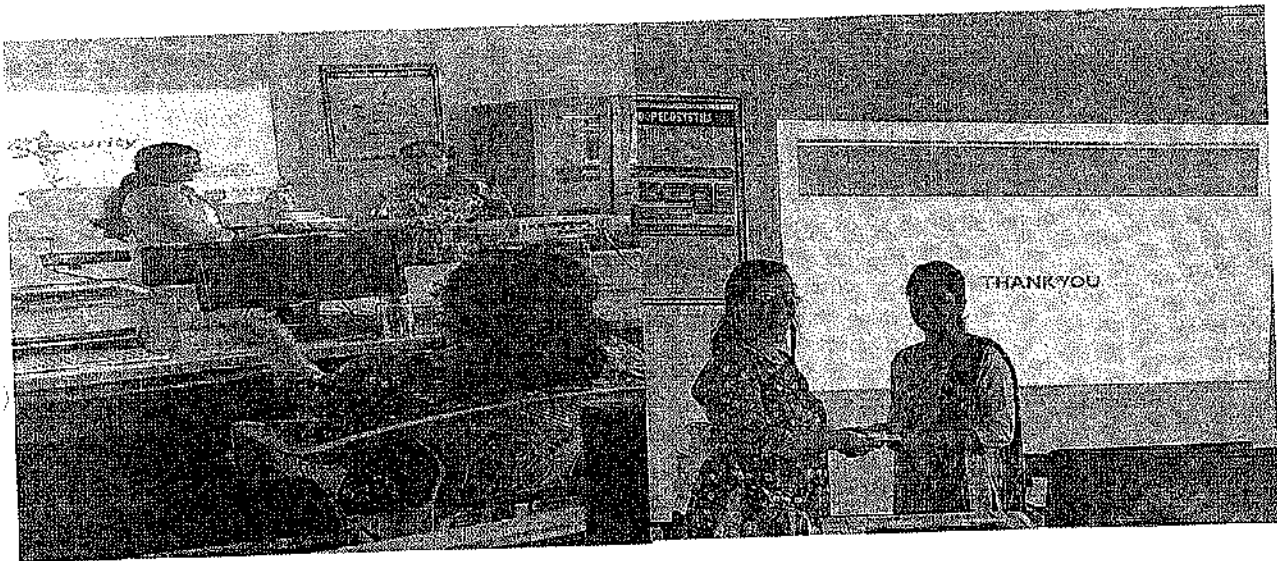




### Day 3



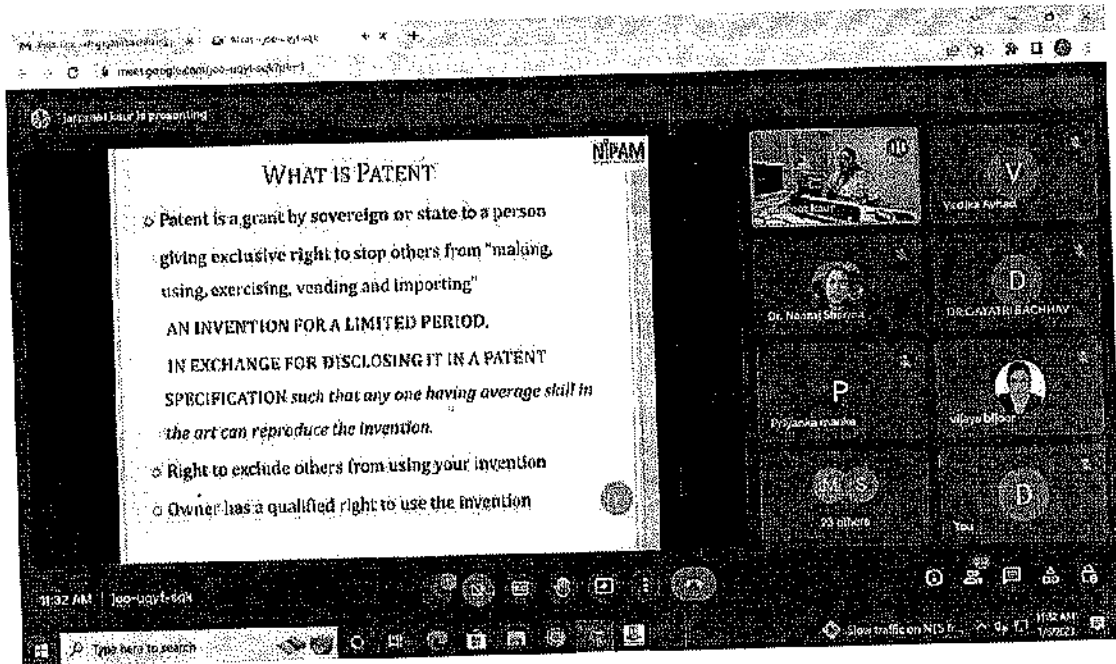
### Day 4



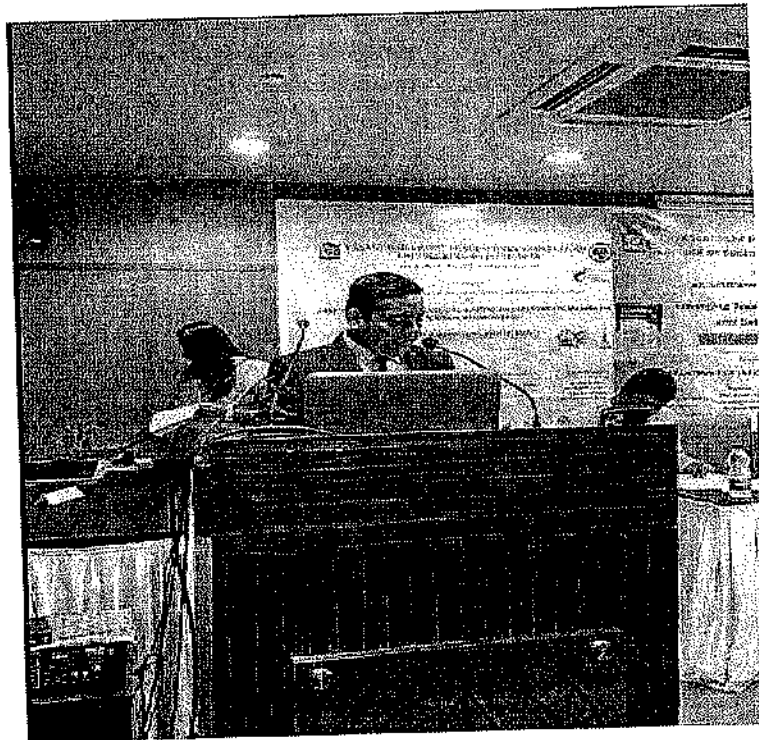




## Day 5

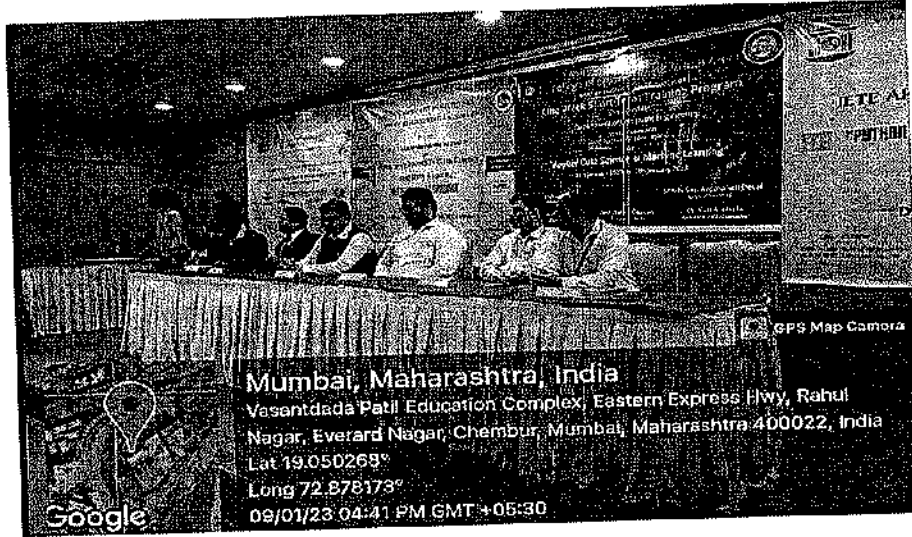


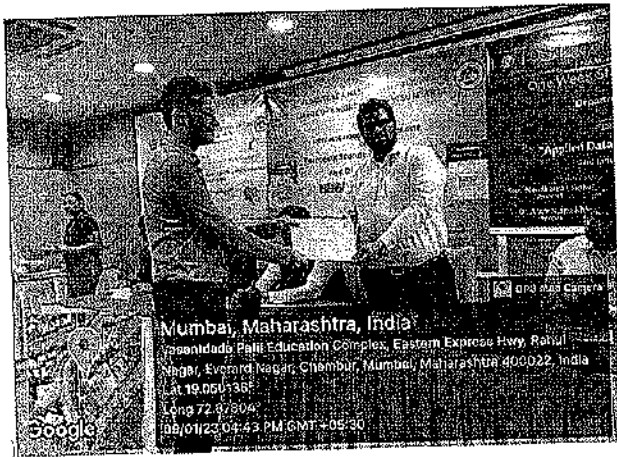
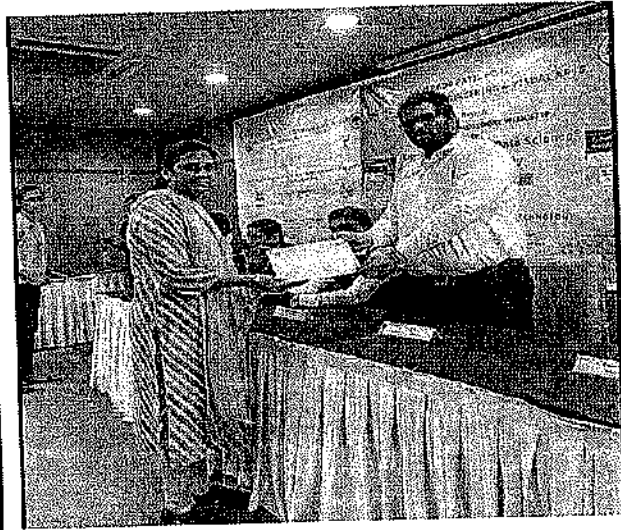
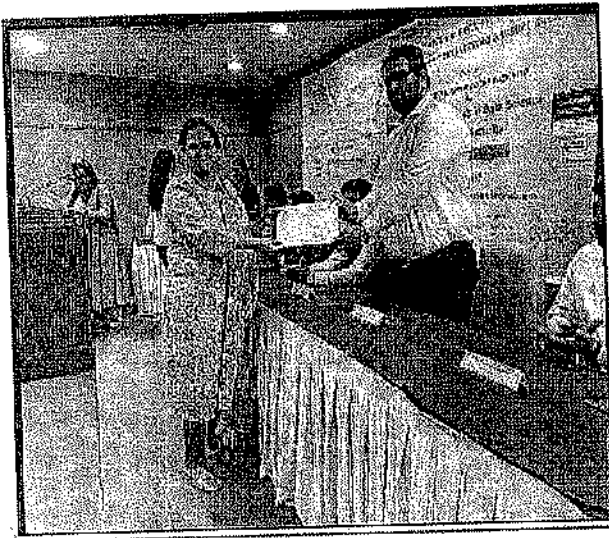
## Day 6





## Valedictory Function





**Dr. Pradip Mane      Prof. SonaliPakhmode**

**Convener & HoD IT      STTP Coordinators**

*Gayatri*  
**Dr. GayatriBachhav**

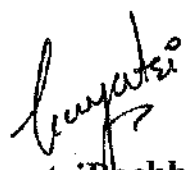
**Co-Cordinators**



### LISTE CERTIFICATE LIST

Sr. No.	Name of Participant	ISTE membership No.	Email ID
1	Mrs. HimgouriOmkarTapase	LM 125004	hot_mca@yes.edu.in
2	Prof. SurajRajaramNalawade	LM 107273	srn_cse@yes.edu.in
3	Prof. Afrin AjmuddinShikalgar	LM 135951	ajs_cse@yes.edu.in
4	AjitRatnakarPradnyavant	LM106197	arp_cse@adcet.in
5	Mr. Rajesh L Gaikwad	LM104827	rssv06@gmail.com
6	Mr. Nilesh Mali	LM 107689	nileshmali@pvppcoe.ac.in
7	Prof.Sachin Ramesh Barahate	LM 64769	srbarahate@pvppcoe.ac.in
8	Dr. GayatriBachhav	LM60451	krishngita123@gmail.com
9	Prof.Jayshree D Pawar	LM130089	jpawar@pvppcoe.ac.in
10	Dr.SeemaAnandLadhe	LM40628	seema.ladhe@pvppcoe.ac.in
11	Prof. MedhaNitin Kulkarni	LM102652	mkulkarni@pvppcoe.ac.in
12	Prof.PravinPatil	LM128503	mr.patil1234@gmail.com
13	Prof. VijayaSagvekar-Bijoor	LM112788	vijayabijoor@pvppcoe.ac.in
14	Prof sonaliYugeshPakhmode	LM 130090	spakhmode@pvppcoe.ac.in
15	Dr. Pradip Mane	LM 95926	pradip.mane@pvppcoe.ac.in

**Dr. Pradip Mane**      **Prof. SonaliPakhmode**  
Convener & HoD IT      STTP Coordinators

  
**Dr. GayatriBachhav**  
Co-Cordinators



## BUDGET of ISTE STTP 2023


Total Received Amount

Rs 15000/-

Sr. No.	Date/ Day	Name of Speaker	Topics	Expenditure
1	6/12/22		ISTE Approval Fess	Rs 1180/-
2	2/1/2023 Monday	Inauguration	---	Rs 250/-
		Mr. Yammen Hakim	Data Science – Deep Introduction & Applications	Rs 4000/-
3	3/1/2023 Tuesday	Mrs.ShwetaPatil,Eclerx	Latest Trends in DS Life cycle in DS Use of Data Science in customer service area	Rs 2000/-
4	4/1/2023 Wednesday	MakLande Brand Ambassador Liminal,	Data Science Hands On [Google Colab]	Rs 2000/-
5	5/1/2023 Thursday	Ms. Anita Patil	Secure your Digital Future Data Security with Application Hands on[Kali]	Rs 2000/-
6	6/1/2023 Friday	Ms. Jaspreet Kaur	IPR	Free from govt.
7	7/1/2023 Saturday	Dr. Pradip Mane	Data Science Applications – Hands On	Free
8			ISTE certificate fess	Rs 1,770/-
TOTAL received				Rs 15000/-
TOTAL Spend				Rs 13200/-
Remaining				Rs 1,800 /-

Dr. Pradip Mane  
Convener & HoD IT

Prof. SonaliPakhmode  
Coordinators

  
Dr. Gayatri Bachhav  
Co-Cordinators



## QUIZ FORM

### STTP - Quiz Emerging Trends in Data Science and Data Security January 2023

Vasantdada Patil Pratishthan's College of Engineering & Visual Arts

AICTE - ISTE Approved One week STTP on "Emerging Trends in Data Science and Data Security"

2nd Jan 2023 to 7th Jan 2023, Organized by Department of Information Technology

\* Required

Email \*

Cannot pre-fill email

Contact Number \*

Your answer

Participant's Name \*

Your answer

**Dr. Pradip Mane**  
Convener & HoD IT

**Prof. Sonali Pakhmode**  
STTP Coordinators

  
**Dr. Gayatri Bachhav**  
Co-Cordinators



### QUIZ RESULT

Sr. no.	Timestamp	Participant's Name	Score
1	1/7/2023 10:49:58	JayshreePawar	14 / 30
2	1/7/2023 10:55:26	JagannathMestry	28 / 30
3	1/7/2023 10:56:33	Durveshteke	24 / 30
4	1/7/2023 10:57:52	ArchanaSalaskar	22 / 30
5	1/7/2023 11:00:18	Prof. HingouriOmkarTapase	24 / 30
6	1/7/2023 11:01:04	Pratik Debroy	30 / 30
7	1/7/2023 11:03:21	AnkurYogeshWani	24 / 30
8	1/7/2023 11:03:26	VaibhavGhutukade	24 / 30
9	1/7/2023 11:03:39	Dr. Neeraj Sharma	12 / 30
10	1/7/2023 11:05:02	PrathameshSonawane	24 / 30
11	1/7/2023 11:05:03	RhuchaSawant	24 / 30
12	1/7/2023 11:10:50	Vishal yadav	30 / 30
13	1/7/2023 11:13:06	ShushantMadhukarWalunj	30 / 30
14	1/7/2023 11:16:33	VedantGaikwad	24 / 30
15	1/7/2023 11:18:52	MISHRA ABHISHEK UMESH	30 / 30
16	1/7/2023 11:19:51	Nilesh Mali	30 / 30
17	1/7/2023 11:22:14	AbhishekPalav	30 / 30
18	1/7/2023 11:24:11	Rohit Ramesh Lamkhade	26 / 30
19	1/7/2023 11:41:54	Rupa	24 / 30
20	1/7/2023 11:45:06	ManishaPrashantPatil	26 / 30
21	1/7/2023 11:49:20	Param Shah	24 / 30
22	1/7/2023	SanjanaDineshnath Sharma	30 / 30



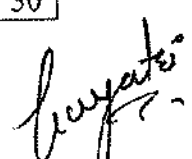
VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF  
ENGINEERING AND VISUAL ARTS  
Department of Information Technology



	12:16:42		
23	1/7/2023 12:33:42	SurajRajaramNalawade	22 / 30
24	1/7/2023 12:38:53	Dr. SeemaAnandLadhe	28 / 30
25	1/7/2023 12:38:55	MedhaNitin Kulkarni	28 / 30
26	1/7/2023 12:41:52	Prof.AfrinAjmuddinShikalgar	28 / 30
27	1/7/2023 12:43:41	Aashish Singh	8 / 30
28	1/7/2023 12:48:26	QURESHI ABDUL QADIR MOHAMMED HANIF	30 / 30
29	1/7/2023 12:55:35	VinodSapkal	24 / 30
30	1/7/2023 13:04:28	Samarth Bhagade	30 / 30
31	1/7/2023 13:09:29	Mr. Rajesh L Gaikwad	24 / 30
32	1/7/2023 13:34:21	Om kolte	28 / 30
33	1/7/2023 13:34:39	PRAJAKTA RAVIKANT PAWAR	30 / 30
34	1/7/2023 13:42:34	Prof.SonaliYugeshPakhmode	28 / 30
35	1/7/2023 14:21:35	Mrs. VIJAYA SAGVEKAR-BIJOOR	24 / 30
36	1/7/2023 14:24:20	Sabir Ali Fattani	20 / 30
37	1/7/2023 15:44:26	Shahid khan	18 / 30
38	1/7/2023 16:30:17	Sachin Ramesh Barahate	26 / 30

**Dr. Pradip Mane**  
Convener & HoD IT

**Prof. SonaliPakhmode**  
STTP Coordinators

  
**Dr. GayatriBachhav**  
Co-Cordinators





# VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF ENGINEERING AND VISUAL ARTS

Department of Artificial Intelligence and Data Science

9 Jan 2023

A Brief Report

## IETE Approved One Week Short Term Training Program (STTP) on "Python Programming for Data Science"

**Duration:** 2<sup>nd</sup> Jan to 7<sup>th</sup> Jan 2023

**Participants:** Faculty from AICTE approved engineering colleges.

### STTP Objectives:

- The objective of this STTP on Python programming for Data Science is to provide participants with a comprehensive understanding of Python programming language and its application in the field of Data Science. Participants will learn various concepts in Python programming such as data types, variables, loops, functions, and libraries like NumPy, Pandas, and Matplotlib.
- They will also learn how to manipulate and analyze data using Python for tasks like data cleaning, exploration, and visualization. By the end of the STTP, participants will be equipped with the necessary skills to utilize Python for data analysis and make informed decisions based on data insights.

### Expected STTP Outcome :

*Participants will be able to:*

- Gain a strong understanding of the Python programming language and its applications in Data Science.
- Acquire essential skills in data manipulation, analysis, visualization, and machine learning using Python.
- Learn how to work with popular Python libraries such as NumPy, Pandas, Matplotlib, and Scikit-learn.
- Develop the ability to write efficient and effective Python code for data analysis and modeling.
- Engage in hands-on projects and exercises to apply learned concepts to real-world Data Science problems.
- Enhance problem-solving skills and critical thinking in the context of data-driven decision making.

### Chief Patrons:

- Sr. Adv. Appasaheb Desai, (General Secretary, PVPPCOE)



# VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF ENGINEERING AND VISUAL ARTS

Department of Artificial Intelligence and Data Science

- Shri.Nandkumar M.Katkar

## Patron:

- Prof. Ashok D. Chavan, Campus Director
- Dr. Alam N. Shaikh, Principal
- Mr. Varun A. Desai, Registrar

## Speaker:

- Umesh Mahind (Data Science Professional)
- Sujay Sonna(Data Scientist)
- Dr.A.Y.Shette (Associate Professor and Humanities Dept,VPPCOE & VA)
- Mr.Shridhar Desai,/Mr. Viki Patil (Assistant Professor AI&DS Dept ,VPPCOE&VA)
- Dr.Rais Mulla (Associate Professor and Head Comp Dept,VPPCOE&VA)
- Dr.Pradip Mane (Associate Professor and Head IT Dept,VPPCOE&VA)
- Dr.Pramod Bhavarthe (Associate Professor and Head AI&DS Dept,VPPCOE&VA)

## Convener:

- Dr.Pramod Bhavarthe (H.O.D AI&DS Dept)

## Coordinators:

- Prof.Viki Patil Engg. Dept.

## Conduct:

Total No. of Participants: 30 (Faculty: 30)

Venue: Seminar Hall (216) and Simulation Lab (205)



# VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF ENGINEERING AND VISUAL ARTS

Department of Artificial Intelligence and Data Science

DAY 1 – 02/01/2023 (Monday)

Venue: - Auditorium (216)

Inauguration of STTP and Keynote Address

## Session 1

One Week AICTE and ISTE Approved Short Term Training Program (STTP-2023) was organized from 2<sup>nd</sup> Jan to 7<sup>th</sup> Jan 2023 on the topic “Python Programming for Data Science” Python programming in data science is to leverage the power of data to drive strategic decision-making and deliver actionable insights for businesses and organizations.

The programme started with lighting of lamps by the guest, Mr. Umesh Mahind and Dr. Alam N. Shaikh (Principal, VPPCOE & VA), Dr. Pramod Bhavarthe (STTP, Convener) followed by the Saraswati Vandana. Dr. Alam N. Shaikh felicitated Mr. Mr. Umesh Mahind by offering a sapling. A heart-warming welcome remark was delivered by Prof. Viki Patil (Coordinator STTP 2023) and addressed the importance and contents of the training program.

The session further continued with the address of our Principal Dr. Alam N. Shaikh. He spoke about the initiatives of ISTE/STTP, the different programs conducted by them and encouraged participants to come forward and contribute effectively in such programs. He has further explained about use of discussed concepts in innovative teaching learning processes.

Dr. Pramod Bhavarthe (Convener, STTP 2023) illuminated the importance and contents of the STTP.

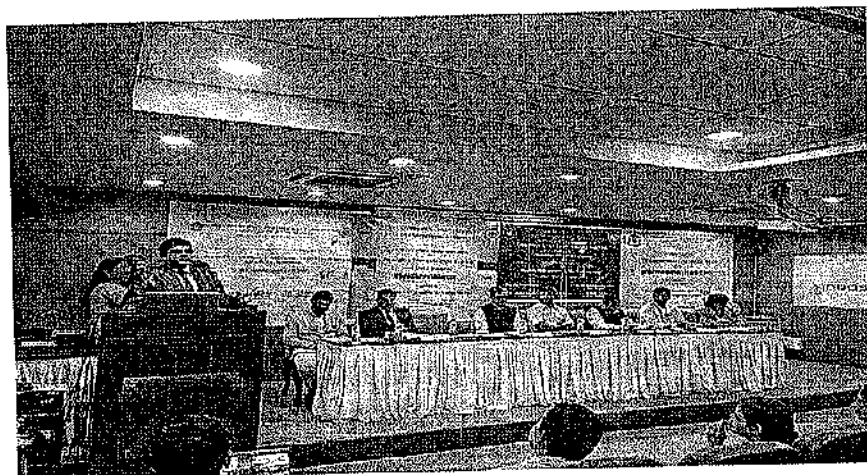
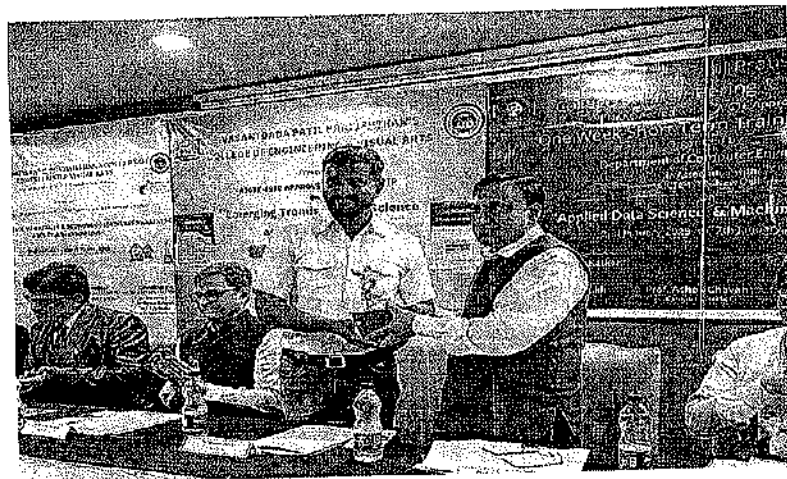
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The day 1 concludes with the Vote of Thanks proposed by Anagha Dhavalikar.



# VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF ENGINEERING AND VISUAL ARTS

Department of Artificial Intelligence and Data Science





# VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF ENGINEERING AND VISUAL ARTS

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Department of Artificial Intelligence and Data Science

Session 2

**Speaker:** - Dr.Rais Mulla (Associate Professor and Head Comp Dept, VPPCOE&VA)

- Introduction to Python for Data Science
- What is data science?
- Why use Python for data science?
- Installing Python and required libraries

## Basics of Python Programming

- Data types and variables
- Operators
- Control structures (if statements, loops)
- Functions
- List, tuples, dictionaries



# VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF ENGINEERING AND VISUAL ARTS

Department of Artificial Intelligence and Data Science

DAY 2 – 03/01/2023 (Tuesday)

- **Speaker:** Dr.A.Y.Shette (Associate Professor and Humanities Dept,VPPCOE & VA)

Topic Covered:

Topic Covered:

Fundamental to Data Science

- Statistics
- Machine Learning
- Programming
- Data Wrangling
- Data Visualization
- Domain Knowledge
- Communication Skills
- Problem-Solving Skills
- Data Ethics
- Continuous Learning



# VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF ENGINEERING AND VISUAL ARTS

Department of Artificial Intelligence and Data Science

DAY 3 – 04/01/2023 (Wednesday)

**Speaker: Sujay Sonna (Data Scientist)**

## **Topic Covered:**

- Introduction
- Overview of Data Science
- Current State of Art in Data Science
- Research Trends in Data Science
- Machine Learning and Artificial Intelligence
- Big Data Analytics
- Data Visualization and Interpretation
- Data Privacy and Security
- Ethical Implications of Data Science
- Future Directions in Data Science Research



# VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF ENGINEERING AND VISUAL ARTS

Department of Artificial Intelligence and Data Science

DAY 4 – 05/01/2023 (Thursday)

- **Speaker:** - Mr. Shridhar Desai, / Mr. Viki Patil (Assistant Professor AI&DS Dept, VPPCOE&VA)

## Topic Covered:

### Hands on Session on Jupyter Notebook

- Introduction to Jupyter Notebook
- Creating a new notebook
- Markdown basics
- Data manipulation with Python
- Visualization with Matplotlib
- Saving and sharing your notebook
- Conclusion and Q&A





**VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF  
ENGINEERING AND VISUAL ARTS**

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**Department of Artificial Intelligence and Data Science**

**DAY 5 – 06/01/2023 (Friday)**

**Speaker:** Pradip Mane (Associate Professor and Head IT Dept, VPPCOE&VA)

Dr.Pramod Bhavarthe (Associate Professor and Head AI&DS Dept, VPPCOE&VA)

**Topic Covered:**

Hands on session on Google Colab



# VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF ENGINEERING AND VISUAL ARTS

Department of Artificial Intelligence and Data Science

DAY 6 – 07/07/2023 (Saturday)

- ★ **MCQ Test: 30 marks MCQ Test has been conducted based on the topics covered in above sessions.**

## Valedictory Function

The program ended with the valedictory function, which was graced by the presence of Dr. Alam N. Shaikh (Principal, VPPCOE & VA) & Dr. Pramod Bhavarthe (Convener and HOD, AI&DS Dept)

Dr. Alam N. Shaikh (Principal, VPPCOE), in his valedictory talk, congratulated the coordinators and organizing committee for the successful conduct of STTP-2023. He emphasized the need for such programs, as they provide a unique opportunity to explore the boundaries of what is currently. They will also learn how to manipulate and analyze data using Python for tasks like data cleaning, exploration, and visualization He also mentioned that such programs provide a common platform to discuss and learn new methodologies to upgrade ourselves.

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The valedictory function was further preceded by the distribution of certificates to the participant's.

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The list of supporting documents is as follows as,

1. Attendance
2. Participant Feedback
3. Speaker Feedback
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# VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF ENGINEERING AND VISUAL ARTS

Department of Artificial Intelligence and Data Science

9 Jan 2023

A Brief Report on

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Total No. of Participants: 30 (Faculty: 30)

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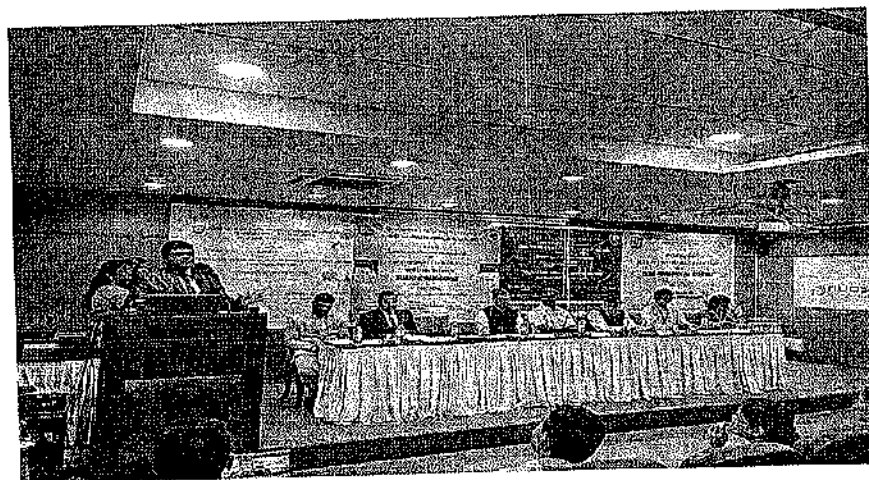
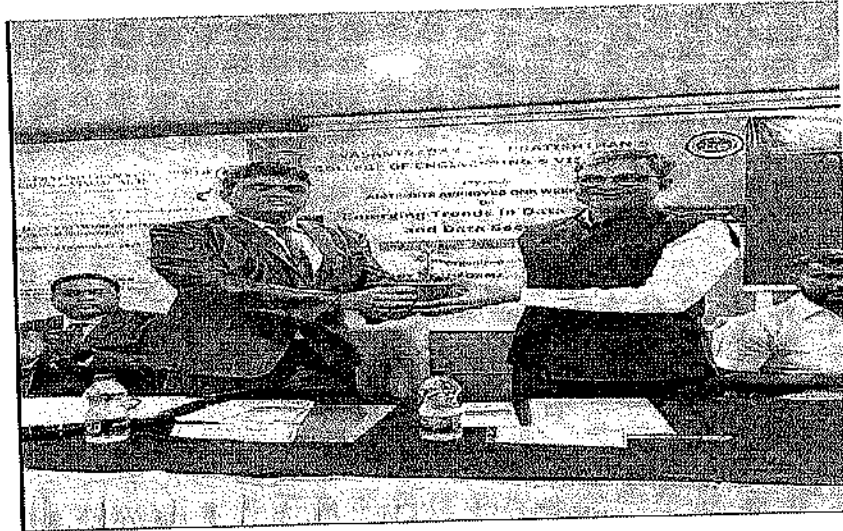
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# VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF ENGINEERING AND VISUAL ARTS

Department of Artificial Intelligence and Data Science





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Department of Artificial Intelligence and Data Science

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Department of Artificial Intelligence and Data Science

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# VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF ENGINEERING AND VISUAL ARTS

Department of Artificial Intelligence and Data Science

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Department of Artificial Intelligence and Data Science

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**VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF  
ENGINEERING AND VISUAL ARTS**

**Department of Artificial Intelligence and Data Science**

**DAY 5 – 06/01/2023 (Friday)**

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**Topic Covered:**

Hands on session on Google Colab



# VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF ENGINEERING AND VISUAL ARTS

Department of Artificial Intelligence and Data Science

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## VPPCOE&VA Centre for Innovations & Entrepreneurship

### Activity 5 IIC Activity

**Name: Organise an Intra/Inter Institutional Idea Competition and Reward Best Ideas- Manage through YUKTI-NIR (Ideathon)**


**Description:**

IDEATHON is India's most exciting innovation and entrepreneurship competition. This competition engages with youth to help them discover and develop their entrepreneurial skills. Ideathon is a 2-Stage Competition with exciting rewards and recognition opportunities for Students, Mentor Teachers That focuses on incubating high-potential student ideas into real-life business ventures.

**Objectives:**





- To encourage the spirit of innovation and harness the enormous potential of college students to think big and dream of futuristic ideas.
- Students are guided to identify societal problems and propose solutions.

**Activity Details:**

<b>Title of Activity</b>	"IDEATHON 2022 "
<b>Type of Activity</b>	IIC Calendar Activity
<b>Organized By</b>	Name: CESA 




## VPPCOE&VA Centre for Innovations & Entrepreneurship

<b>Collaboration with</b>	<p>Name: Innovation Council(HC), Ministry of Education, MoE's Innovation Cell, AICTE</p> <p> <b>विद्यया ऽ मृतमश्नुते</b> MINISTRY OF EDUCATION</p> <p> <b>MoE's INNOVATION CELL</b> (GOVERNMENT OF INDIA)</p> <p> <b>INSTITUTION'S INNOVATION COUNCIL</b> (Ministry of Education Initiatives)</p> <p></p>
<b>Day/Date</b>	Wednesday, 12 <sup>th</sup> October 2022
<b>Activity Mode if online</b>	Offline
<b>Venue if Physical mode</b>	Address: Auditorium, Vasantdada Patil Pratishthan's College of Engineering & Visual Arts
<b>Registration Link</b>	<a href="https://forms.gle/1CedaPZOjLNjq7Eb8">https://forms.gle/1CedaPZOjLNjq7Eb8</a>
<b>Student Coordinator</b>	<ol style="list-style-type: none"><li>1. Nirmetee</li><li>2. Nabangi</li></ol>
<b>Patrons</b>	<ol style="list-style-type: none"><li>1. General Secretary Adv. Appasaheb Desai</li><li>2. Campus Director - Prof.Ashok Chavan</li><li>3. Principal – Alam N. Shaik</li><li>4. HOD, Computer Engineering- Dr. Rais Allaudin Mulla</li><li>5. CESA Convener – Mrs. Vidya Roshan Kottari</li></ol>



**VPPCOE&VA Centre for Innovations & Entrepreneurship**

Activity Flyer:



**Vasantdada Patil Pratishthan's College of  
Engineering & Visual Arts, Mumbai-400 022**

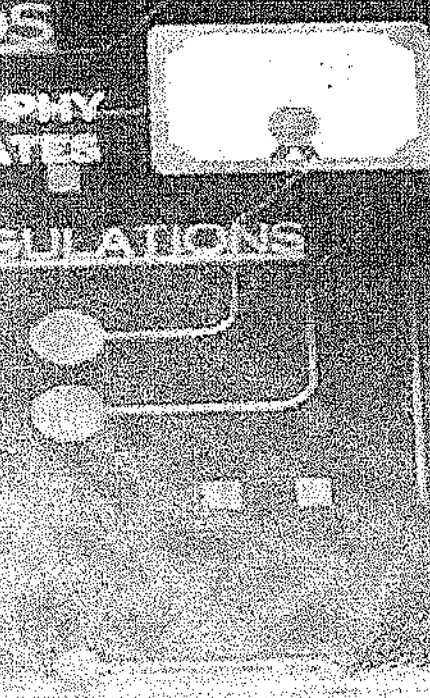
# ATHON

## AWARDS

- WIN A TROPHY
- CERTIFICATES

### RULES AND REGULATIONS

1. ...
2. ...
3. ...
4. ...
5. ...
6. ...
7. ...
8. ...
9. ...
10. ...





## VPPCOE&VA Centre for Innovations & Entrepreneurship

**Vasantdada Patil Pratishthan's College of Engineering & Visual Arts, Mumbai-400 022**

In Association With

Ministry of Education  
AICTE  
INSTITUTION'S INNOVATION COUNCIL

Presents

# IDEATHON

Share Your Ideas  
In Pictorial PPT  
Format On  
12 OCTOBER 2022  
IN AUDITORIUM

Scan For Registration Link

FOR INQUIRY CONTACT





## VPPCOE&VA Centre for Innovations & Entrepreneurship

Short Message Circulated:

Dear Students 

Vasantdada Patil Prathisthan's College of Engineering & Visual Arts  
in association with  
Institution's Innovation Council (IIC), Ministry of Education, MoE's innovation cell  
has organised



*Address a problem, find an idea to solve it and share it with us in a pictorial ppt format.  
Mention an idea and tell us why it is important to solve the issue.*

### Ideathon Tracks:

- Social issue
- Agricultural issue
- Medical issue
- Educational issue

### Rules:

- Valid Ideas
- PPT is compulsory
- 10 mins per team
- Team Size: 3-5 members

Winners will be awarded a trophy and participation certificate for all

**Event Date:** Wednesday, 12/10/2022

**Venue:** Auditorium

**Time:** 10 am onwards

**\*LINK FOR REGISTRATION\***

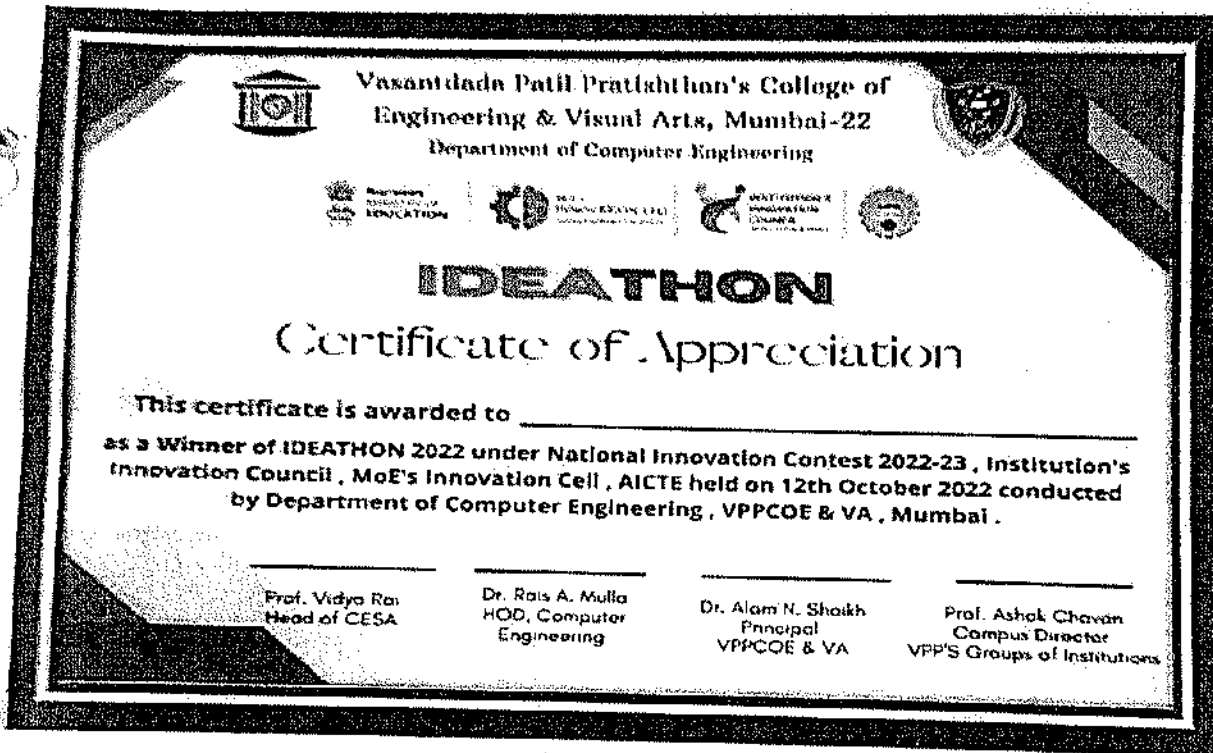
<https://forms.gle/1CedaPZQilNig7Eb8>

**\*"Everything begins with an Idea"\***



## VPPCOE&VA Centre for Innovations & Entrepreneurship

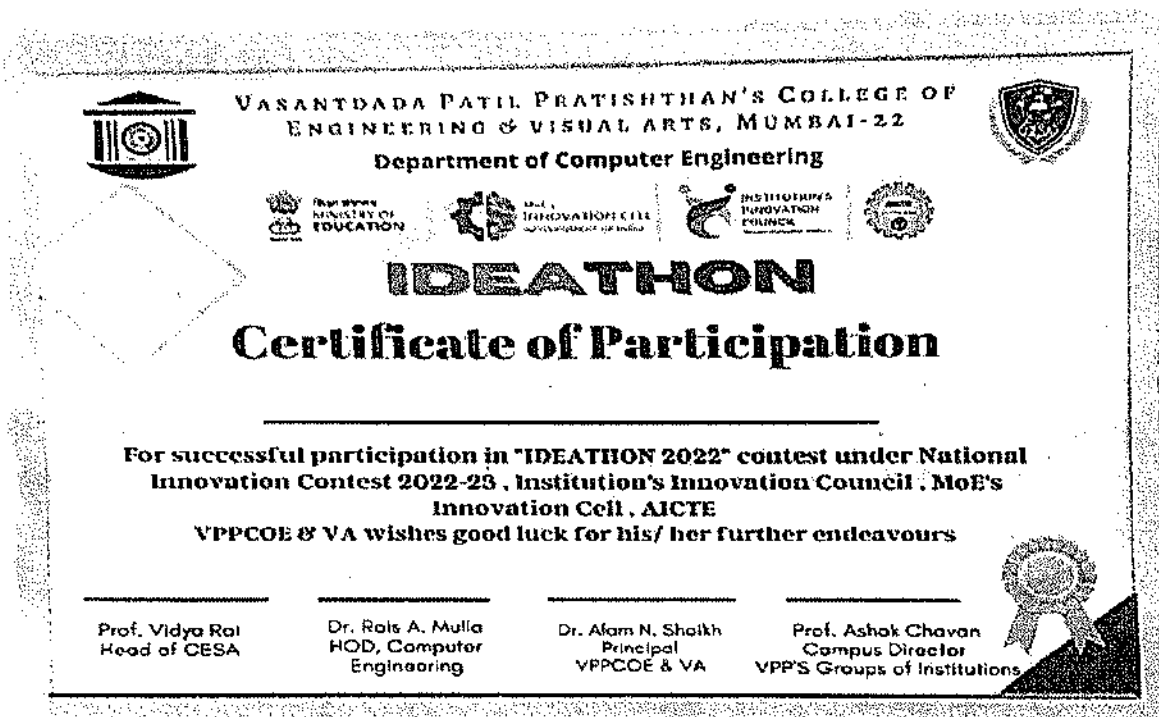
Certificate of Appreciation:





## VPPCOE & VA Centre for Innovations & Entrepreneurship

### Certificate Of Participation:



### Event Summary:

Event ideathon held on 12 th October 2022 at 11 o clock in auditorium. Event started by lighting the lamp and saraswati vandana. After that all the Dignitaries were welcomed. They spoke few words about ideathon event. All the participants enthusiastically participated in the event. There were total 8 teams they proposed there innovative ideas and solution to the several social, economic, agricultural problems through power point presentation and act in front of judges. There was one to one question and Answer round between the participants and the judges which includes questions regarding their topics. At last the dignitaries were given the vote of thanks continued with closing ceremony



## VPPCOE&VA Centre for Innovations & Entrepreneurship

### Highlights:

- Our respected Principal Dr. Alam N. Shaikh Sir addressed the meeting by appreciating the fellow participants.
- Respected Campus Director Mr. Ashok Chavan and General Secretary Appasaheb Desai gave insights about the event and how beneficial it is for students of today to start thinking of solutions and innovative ideas for social, agricultural, medical, and educational issues we face today.
- Certificates were given to the winners and participants to applaud and encourage their ideas and creativity in IDEATHON 2022.
- Felicitation of CESA members was done at the end of the event for taking time out of their already packed schedules and making it possible.

### Social Media Link:

[https://www.instagram.com/p/CleWf3Zotkf/?utm\\_source=ig\\_web\\_copy\\_link](https://www.instagram.com/p/CleWf3Zotkf/?utm_source=ig_web_copy_link)

### No. of Participants:

Total No. of Faculty and Students: 39



## VPPCOE&VA Centre for Innovations & Entrepreneurship

### Activity 8 IIC Activity

**Name:** Workshop on “Entrepreneurship and Innovation as Career Opportunity”

**Description:**

IBM Skills Build is a free access digital learning platform with more than 7500 learning activities that focus on industry relevant skill development in students and jobseekers above 18 years of age. On successful completion of certain courses, youth can earn IBM certified badges and certificates which help them showcase the latest industry relevant skills that they have acquired.

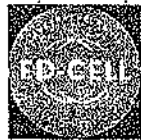
**Objectives:**

- To gain internships & full-time job employment opportunities by IBM & its network partners.
- To transform the students learning into a tangible showcase for future employers

**Outcome of the Workshop:**


- To understand the basics of Entrepreneurship and its Importance in modern society
- Skill set required to become an Entrepreneur and how to convert simple idea into an innovation.
- Key performance indicator of a graduate likely to become an Entrepreneur.


**Activity Details:**

Title of Activity	Workshop on “Entrepreneurship and Innovation as Career Opportunity”
Type of Activity	IIC Calendar Activity
Organized By	Name: ED Cell 



## VPPCOE&VA Centre for Innovations & Entrepreneurship

Collaboration with	 Name: IIC, VPPCOE&VA
Sponsored By	Name: NA
Day/Date/Time	Sunday 23 <sup>rd</sup> October 2022 at 10:00 am to 11.00 am.
Activity Mode if	Tool Name: Zoom, Meeting ID: 813 1692 2556

online	Link: <a href="https://us06web.zoom.us/j/81316922556">https://us06web.zoom.us/j/81316922556</a>
Venue if Physical mode.	NA
Registration Link	No registration
Guest Speaker/ Resource Person	Mr. Rohit Rajput, Sr. Project Associate, Team IBM, CSRBOX
Photo:	
Faculty Coordinator	Name: Prof. Dr. Pradip Mane Mobile: 9167778911 Name: Mr. Nilesh Mali Mobile: 9096121789



## VPPCOE&VA Centre for Innovations & Entrepreneurship

<b>Student Coordinator</b>	1) Name:- Ms. Pranjal Mahajan 2) Name:- Mr. Varad Desai
<b>Patrons</b>	1) IIC Convener - Prof. (Dr.) Mahendra Pawar 2) IIC President - Prof.(Dr.) Rals Mulla 3) Principal - Prof. (Dr.) Alam N. Shaikh

Note: 1) Please provide all details mentioned in the above table by attaching in the mail with this doc file, also attach speaker's profile

2) Please attach images and logo as a separate file (logo: PNG format, Photo:- JPEG )

3) If any information is not available or applicable please write as NA

<b>Targeted Social Media</b>	1) Facebook 2) Instagram 3) LinkedIn 4) WhatsApp Status
<b>Media Type</b>	Image / Video

### Speaker Profile:

An Alumnus of Tata Institute of Social Sciences, Mumbai, Rohit Rajput has completed his Masters in Disaster Management with a specialization in Geoinformatics. He has attained his B.tech in computer sciences from the University of Delhi and has more than 2.5 years of work experience in the Development Sector. Having studied in a social sciences institute, he has developed a keen interest in the development sector and has previously worked with various urban, rural, poor, and tribal communities in PAN India. The same has provided him exposure to engaging with varied stakeholders including government officials and marginalized communities. He has previously worked on and completed multiple philanthropic projects He is currently working as a Sr. Project associate at IBM Team, CSRBOX working towards the ideation and implementation of projects in the skilling, education, and livelihood domain.



## VPPCOE&VA Centre for Innovations & Entrepreneurship

### Activity Flyer:

Vasantdada Patil Pratishthan's College of  
Engineering and Visual Arts

In association with  
Institution's Innovation Council

Workshop on  
"Entrepreneurship and Innovation  
as Career Opportunity"

In association with  
**IBM**

Date: 23rd October  
Time: 10:00 AM to 11:00 AM  
Platform: Zoom ID: 81316922556  
Link: <https://us06web.zoom.us/j/81316922556>

CO-ORDINATOR: DR. PRADIP S. MANE  
CO-ORDINATOR: PROF. NILESH MALI

SPEAKER  
MR. ROHIT RAJPUT  
Sr. Project Associate, Team  
IBM CSIR Technologies

### Short Message Circulated:

Dear Students

Vasantdada Patil Prathisthan's College of Engineering & VA in association with Institution's Innovation Council (IIC) and IBM has organised Workshop on "Entrepreneurship and Innovation as Career Opportunity."

This session is for the betterment of students. The speaker of this session is Mr. Rohit Rajput, Sr. Project Associate, Team IBM, CSRBOX. You are requested to attend the same.

- ~Event Date: Sunday, 23/10/22
- ~Mode: Online
- ~Platform: Zoom
- ~Link: <https://us06web.zoom.us/j/81316922556>
- ~Time: 10 am - 11 am





## VPPCOE&VA Centre for Innovations & Entrepreneurship

It is mandatory for all students to attend.

### SHORT REPORT OF WORKSHOP:

Vasantdada Patil Prathisthan's College of Engineering & VA in association with Institution's Innovation Council (IIC) and IBM has successfully organized a Workshop on "Entrepreneurship and Innovation as Career Opportunity" during 23rd October 2022 at 10:00 am to 11.00 am.

#### Objectives of the Workshop

Promote the importance of Entrepreneurship and innovation as career opportunity and inculcate skillset required for a young graduate.

To stimulate the overall architecture of the Entrepreneurship life cycle and how student can create innovative product by undertaking relevant methods.

To demonstrate global entrepreneurship activity – growing share of India and different types of entrepreneurship.

#### Contents of the Workshop:

- Overview on Entrepreneurship Life Cycle and India position on global entrepreneurship activity.
- How to convert the Young graduate into Innovative Entrepreneur.
- How to start a new Innovative start-ups.
- A Hands-on- Survey to check a graduate eligibility to become an Entrepreneur.

A total of 72 students and faculties from both host institution participated in the workshop, where Mr. Rohit Rajput, Sr. Project Associate, Team IBM, CSRBOX demonstrated the process of Entrepreneurship statistics of India and life cycle of Entrepreneurship.

#### Social Media Link:

[https://www.instagram.com/p/CmGmXrqlqfj/?utm\\_source=ig\\_web\\_copy\\_link](https://www.instagram.com/p/CmGmXrqlqfj/?utm_source=ig_web_copy_link)

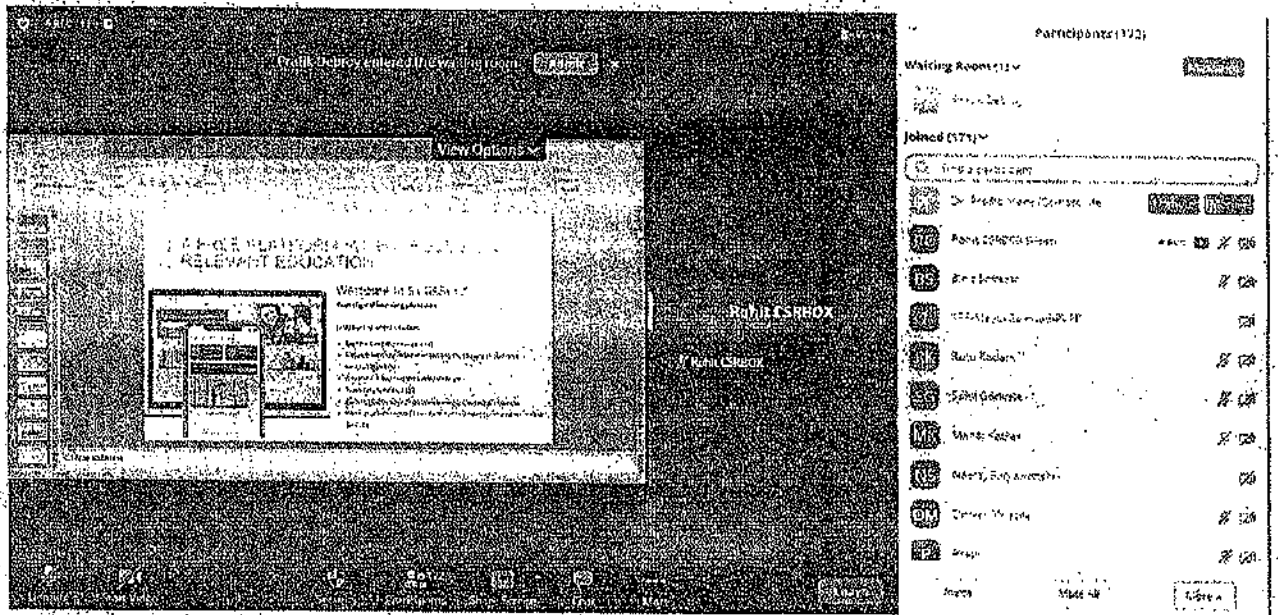
#### No. of Participants:

Total No. of Faculty and Students: 72.

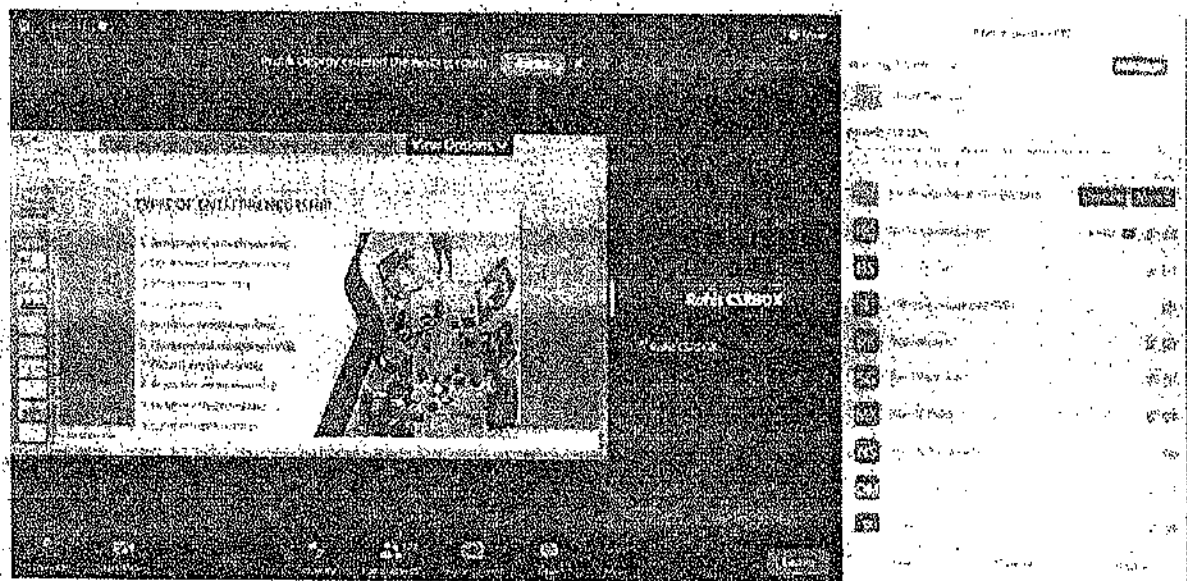


## VPPCOE&VA Centre for Innovations & Entrepreneurship

### Photographs:



## VPPCOE&VA Centre for Innovations & Entrepreneurship





## VPPCOE&VA Centre for Innovations & Entrepreneurship

### IIC Activity - Session on "Process of Innovation Development, Technology Readiness Level (TRL), Commercialization of Lab Technologies and Tech-Transfer"

**Name:** Expert Talk on "Process of Innovation Development, Technology Readiness Level (TRL), Commercialization of Lab Technologies and Tech-Transfer"

#### **Description:**

The seminar is to discuss Generating Ideas, capturing ideas, beginning innovation, developing a business- effectiveness strategy, Understanding technology readiness levels, Technology Transfer, Applying Business Improvement, and Decline.

#### **Objectives:**

The objective of this seminar is to discuss Generating Ideas, capturing ideas, beginning innovation, developing a business- effectiveness strategy, Understanding technology readiness levels, Technology Transfer, Applying Business Improvement, and Decline.

#### **Outcomes:**

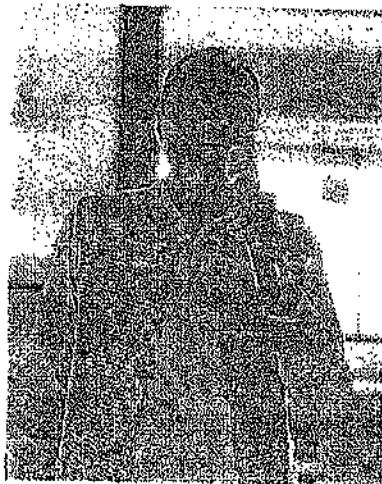
The outcome of successful innovation development, TRL advancement, and tech-transfer can be significant. It can lead to the creation of new products, the development of new industries, job creation, and economic growth. It can also result in improvements in healthcare, environmental sustainability, and quality of life. Additionally, successful commercialization can generate revenue and profits for both the inventors and the companies involved in the process.

#### **Activity Details:**

<b>Title of Activity</b>	"Process of Innovation Development, Technology Readiness Level (TRL), Commercialization of Lab Technologies and Tech-Transfer"
<b>Type of Activity</b>	IIC Calendar Activity



## VPPCOE&VA Centre for Innovations & Entrepreneurship

Organized By	Name: IIC, VPPCOE & VA
Collaboration with	Name: IIC, VPPCOE & VA
Sponsored By	Name: NA
Day/Date/Time	Monday , 27 <sup>th</sup> Feb. 2023 at 2:00 pm onwards
Activity Mode if online	NA
Venue if Physical mode	CC Lab, Ground Floor
Registration Link	<a href="https://forms.gle/SgqsbSgRdyBfyQrc8">https://forms.gle/SgqsbSgRdyBfyQrc8</a>
Guest Speaker/ Resource Person	Prof. (Dr.) Rajesh R. Jaware
Photo:	
Faculty Coordinator	Name: Prof. Dr. Pravin Shinde



## VPPCOE&VA Centre for Innovations & Entrepreneurship

Student Coordinator	1) Name:- Sanat Ramteke
Patrons	1) IIC Convener - Prof. Randeep Kaur Kahlon 2) IIC President - Prof.(Dr.) Rais Mulla 3) Principal - Prof. (Dr.) Alam N. Shaikh

### Activity Flyer:

**EXPERT TALK**

on

- Process of Innovation Development
- Technology Readiness Level (TRL)
- Commercialization of Lab Technologies and Tech-Transfer

**SPEAKER**

**PROF. (DR.) RAJESH R. JAWARE**  
PROFESSOR IN CHARGE INNOVATION & ENTREPRENEURSHIP, YERVA ENGINEERING COLLEGE

**MONDAY**  
27 FEB, 2023

**VENUE: AUDITORIUM**  
@ 3:00 PM

QR Code

Instagram: @iic\_vpp, Facebook: iic\_vpp, LinkedIn: iic\_vpp, YouTube: iic\_vpp



## VPPCOE&VA Centre for Innovations & Entrepreneurship

### Short Message Circulated:

Join our Expert Talk on "Process of Innovation Development, Technology Readiness Level (TRL), Commercialization of Lab Technologies and Tech-Transfer " with Prof.Speaker Prof. (Dr.) Rajesh R. Jaware  
Ph.D.; M. Tech.; BE (Mech. Engg.)  
International Career Coach, CDA-USA, presented by the ED Cell and Institution's Innovation Council-VPPCOE & VA.

The main objective of this seminar is to discuss Generating Ideas, capturing ideas, beginning innovation, developing a business- effectiveness strategy, Understanding technology readiness levels, Technology Transfer, Applying Business Improvement, and Decline.

Date: 27th February 2023  
Time: 2:30 PM Onwards  
Venue: Auditorium , 2nd floor

Registration form for the following:  
<https://forms.gle/SgqsbSgRdyBfyQrc8>

Prof. Randeep Kaur Kahlon,  
IIC Convener

Dr. Rais Mulla,  
IIC President

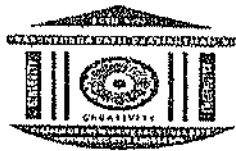
Dr. Alam N. Shaikh ,  
Principal, VPPCOE & VA, Sion

### Speaker Profile:

PROFESSOR IN-CHARGE (INNOVATION & ENTREPRENEURSHIP) TERNA ENGINEERING COLLEGE.

### Social Media Circulation URL Link:

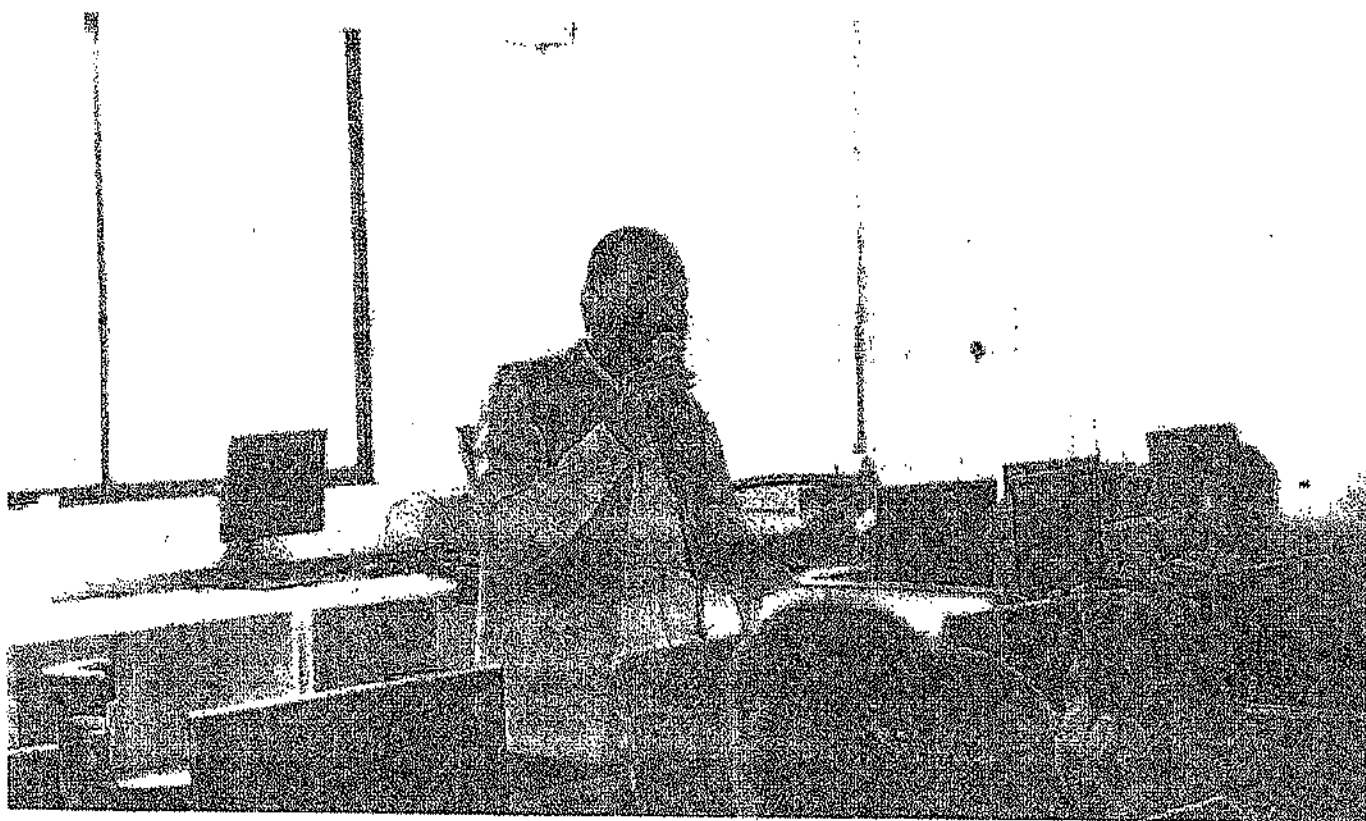
[https://www.instagram.com/p/CpFDBaMPvRj/?utm\\_source=ig\\_web\\_copy\\_link](https://www.instagram.com/p/CpFDBaMPvRj/?utm_source=ig_web_copy_link)



## VPPCOE&VA Centre for Innovations & Entrepreneurship

No. of Participants: 45

Photographs:





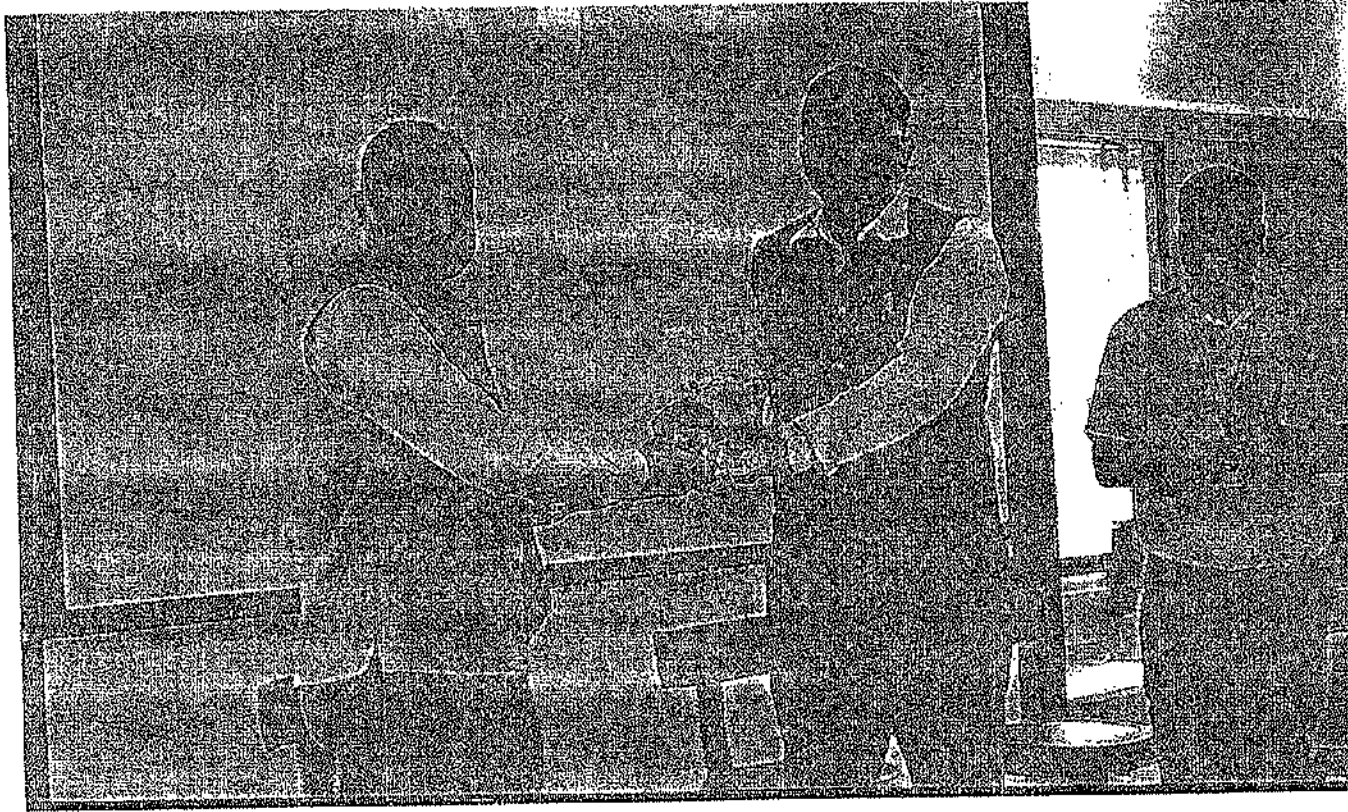
## VPPCOE&VA Centre for Innovations & Entrepreneurship







## VPPCOE&VA Centre for Innovations & Entrepreneurship



**Name of the workshop :- Fabric Art Workshop**

**Date of the workshop : 28/07/2022**

**Time of the workshop : 10 am to 04 pm**

**No. Of participants : 76**

**Speaker : Mrs. Arpna Seth & Mrs. Pooja Deuwarukar**

**Workshop details :-** Department of Visual Arts in Association with National Library of India Club Organized 'Fabric workshop' for all PG Students on 28th July 2022 & 10.00 am through visual art team & Pidilite. For this workshop Pidilite provided two experts Mrs. Arpna Seth & Mrs. Pooja Deuwarukar they taught 5 fabric art techniques.

**1: Shibori** - in this technique they took one plastic sheet & made cylindrical form, then wrapped the cloth on the cylinder & tied it properly then painted it in indigo colour.

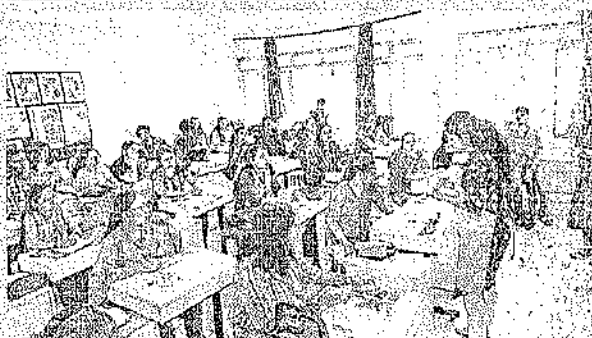
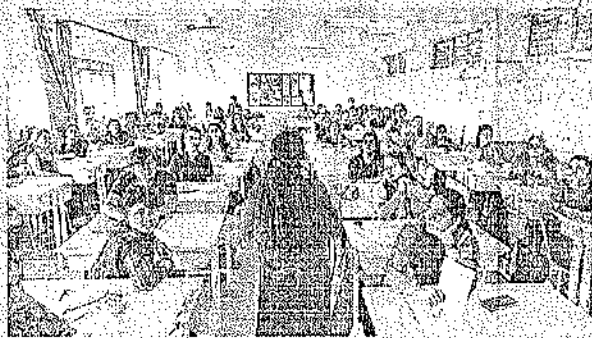
**2- Tie & Dye technique** - they Applied colour on palm & rubbed it on the cloth to get the beautiful texture.

**3- Dabu technique** - Made stamp using foam sheet and stamped it on the cloth.

**4-Samosa technique** - Made samosa using the cloth, tied it on the corner & painted it.

**5- Spiral technique** - They turned the cloth in the spiral form, tied it and painted.

Over 76 students and all visual arts faculty participated in this workshop



# Fabric Art Workshop

*ALT*



# Vasantdada Patil Pratishthan's College of Engineering & Visual Arts

|| NAAC Accredited, AICTE Approved || Recognized by DTE Government of Maharashtra. || Affiliated to University of Mumbai. ||

## Department of Information Technology

### A Brief Report on

### One week Faculty Development Program (FDP) in association with

### Spoken Tutorial IITB, Mumbai

### On

### “GIT: A Version Control System”

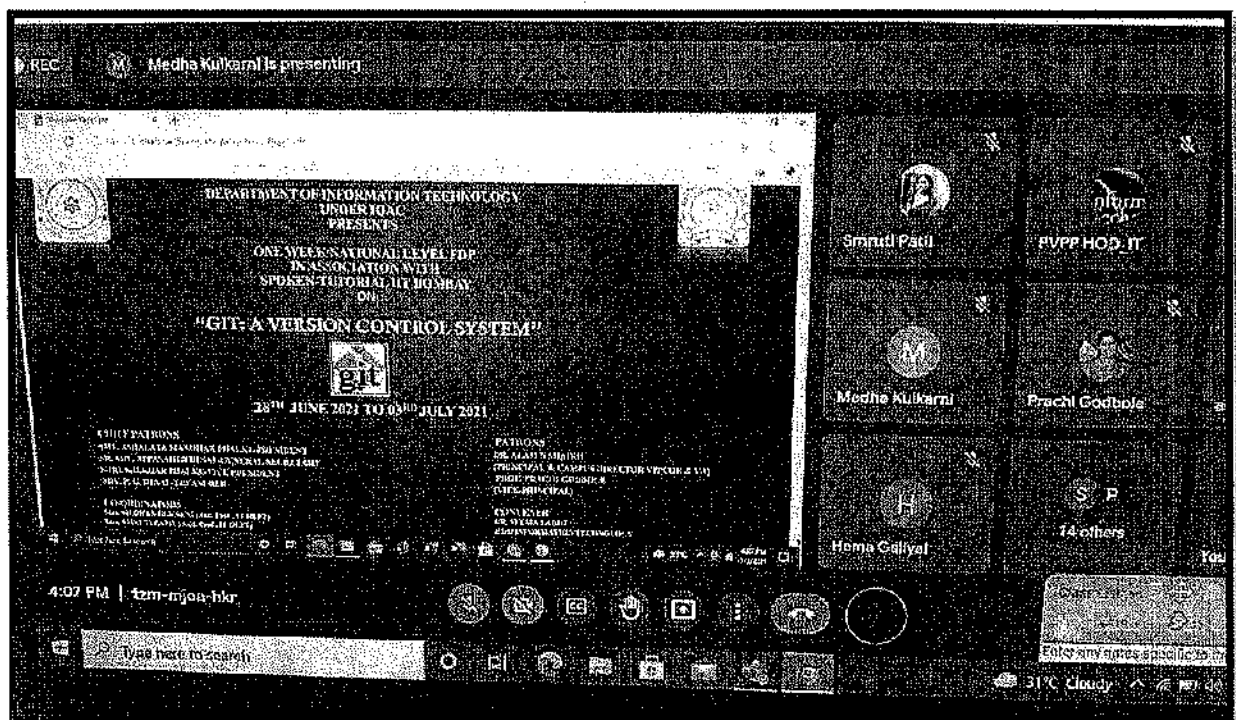
A faculty development program was organized by Department of Information Technology in association with Spoken Tutorial, IIT Bombay under IQAC. The FDP was conducted on the topic “GIT: A Version Control System”. It was scheduled from 28<sup>th</sup> June 2021 to 3<sup>rd</sup> July 2021.

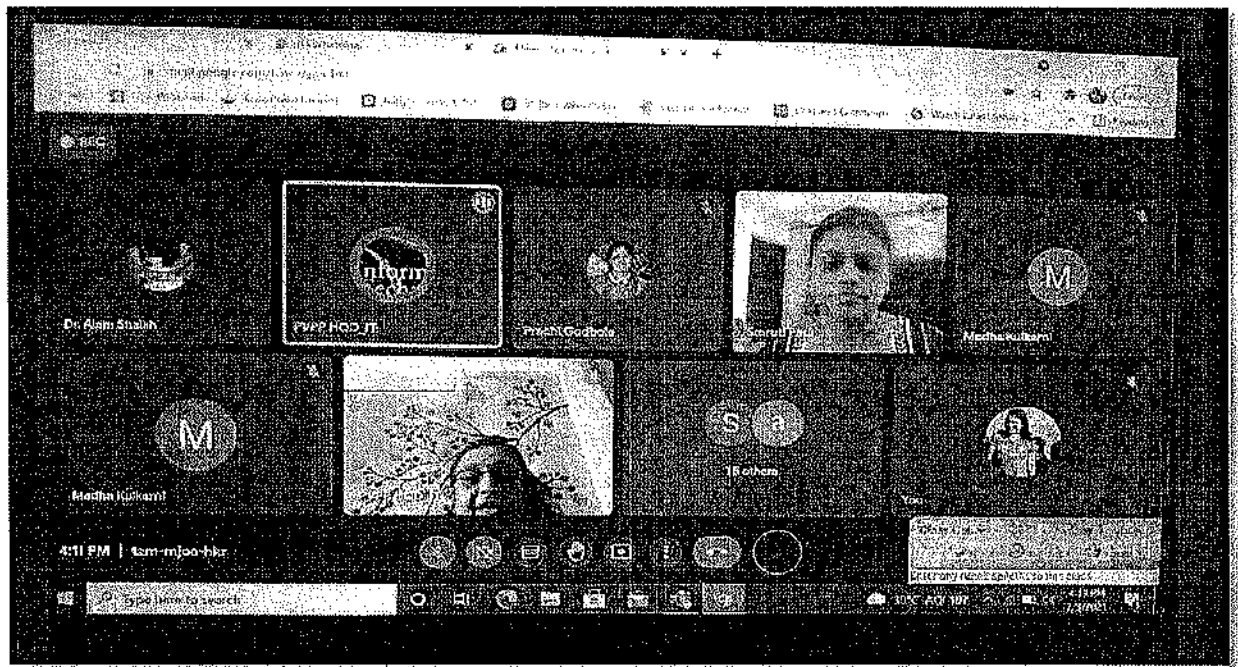
Git is software for tracking changes in any set of files, usually used for coordinating work among programmers collaboratively developing source code during software development. Its goals include speed, data integrity, and support for distributed, non-linear workflows. Git is a free and open-source distributed version control system designed to handle everything from small to large projects with speed and efficiency.

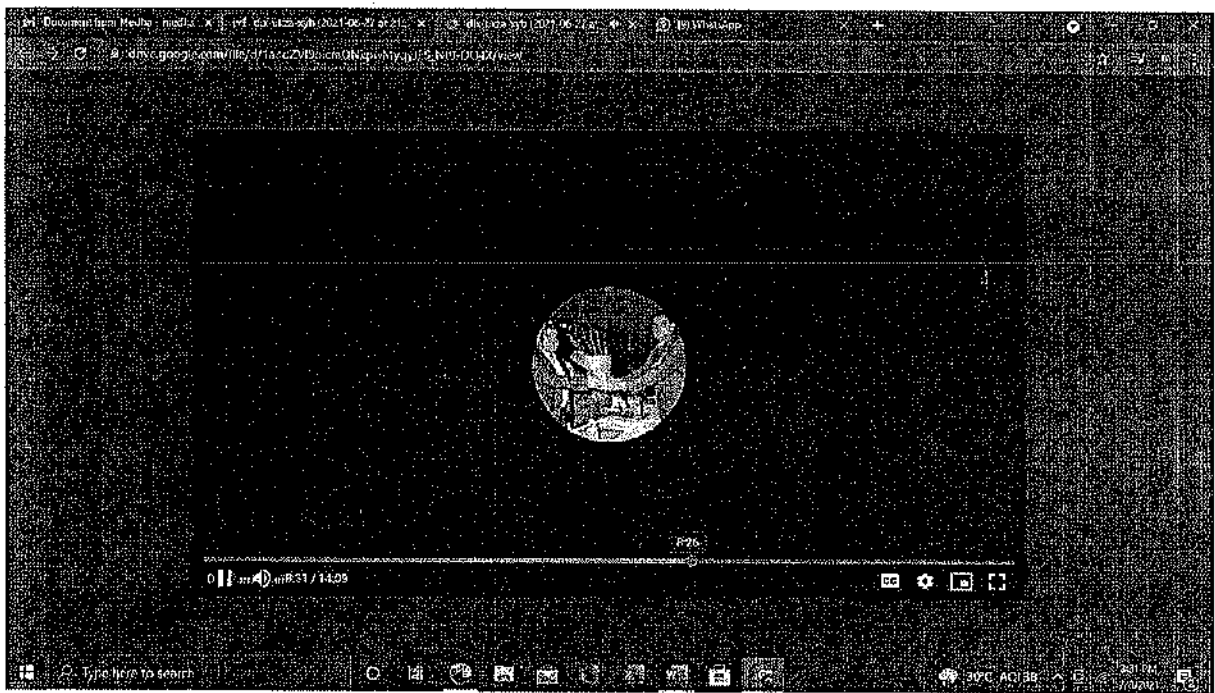
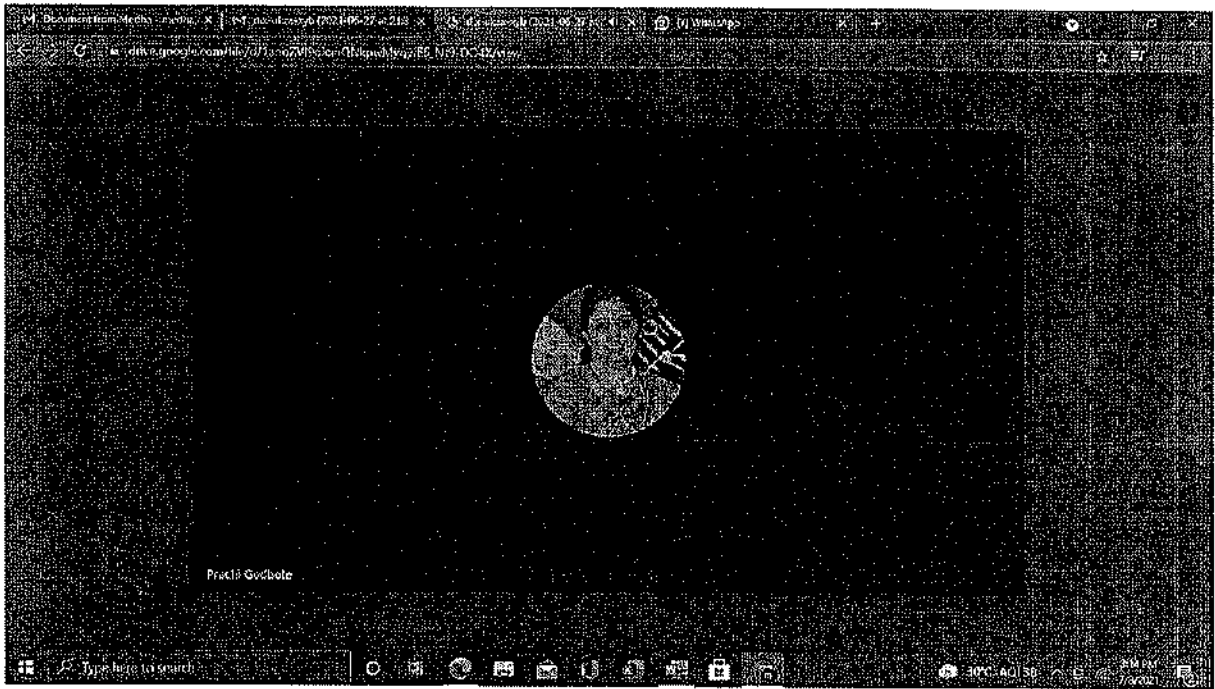
The Convener for this FDP was Dr. Seema Ladhe, HOD IT department and the coordinators for the same were Prof. Medha Kulkarni and Prof. Smuti Patil. The online inauguration program was held on 28<sup>th</sup> June 2021 at 10.00am and hosted by FDP's Co-ordinator Prof. Smruti Patil. It started by seeking the blessings of Goddess Saraswati followed by the Convener's address. There was total 36 participants for this FDP. It was instructed to all the participants to listen the sessions according to the schedule and solve the respective assignments. A link was provided by the department to upload the assignments completed by the participants.

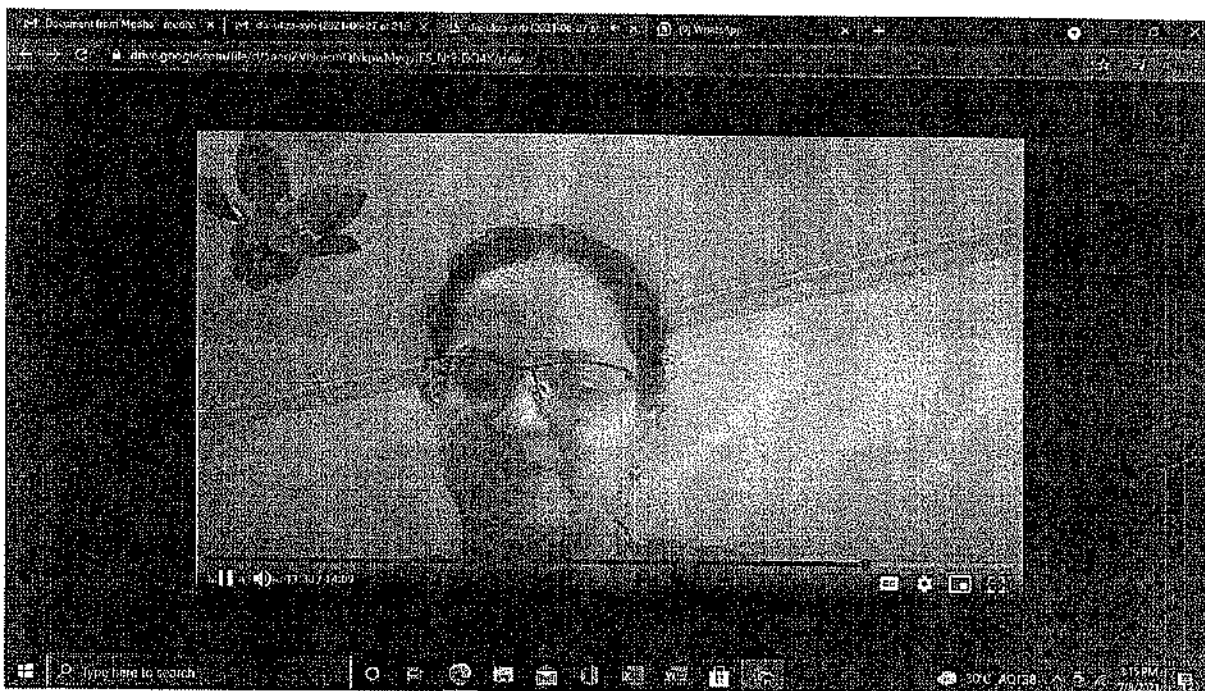
The honourable Principal & Campus Director Dr. Alam N Shaikh also addressed the meet by giving his motivational words for the participants. The Vice-Principal Prof. Prachi Godbole also addressed the gathering by saying few words on this occasion and motivated the participants. Prof. Medha Nitin Kulkarni presented the vote of thanks to our management body, Principal sir, Vice-Principal Madam, teaching and non-teaching staff of the IT department for helping in conducting this FDP successfully.

Followings are the some of the glances of the inauguration program which conducted virtually due to the ongoing pandemic situation.









After inauguration the FDP started with Basic Tutorials on GIT. It covered following topics

- Overview and Installation of Git
- Basic commands of Git
- The git checkout command
- Inspection and Comparison of Git
- Tagging in Git
- Branching in Git
- Merging and Deleting branches
- Stashing and Cleaning

FDP also covered Intermediate Tutorials with following points

- Hosting Git Repositories
- Working with Remote Repositories

**FDP on Git covered all the topics related to Version Control System in the scheduled period 28<sup>th</sup> June 2021 to 3<sup>rd</sup> July 2021.**

On the last day of FDP, 3<sup>rd</sup> July 2021, online valedictory function was held at 4.00pm. Convenor of FDP, Dr. Seema Ladhe informed participants to upload the completed assignments. The Principal and Vice principal congratulated the organizing team and participants.





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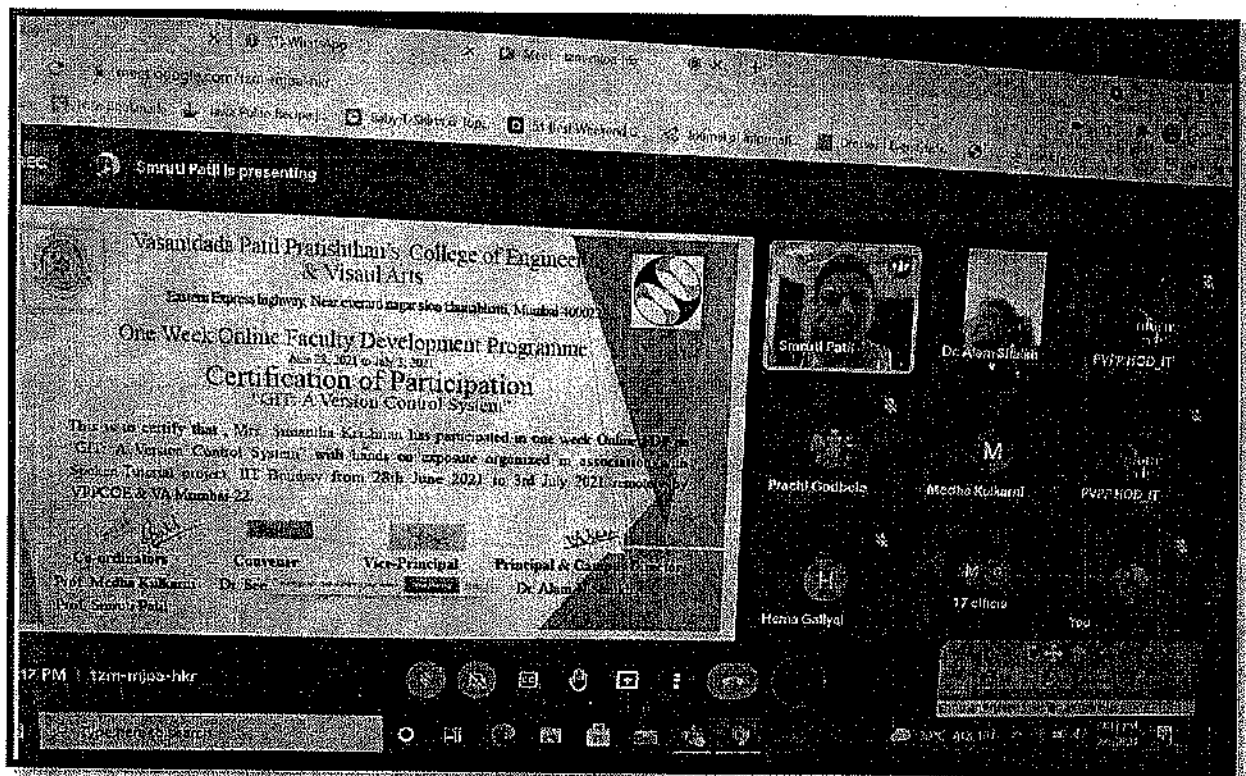
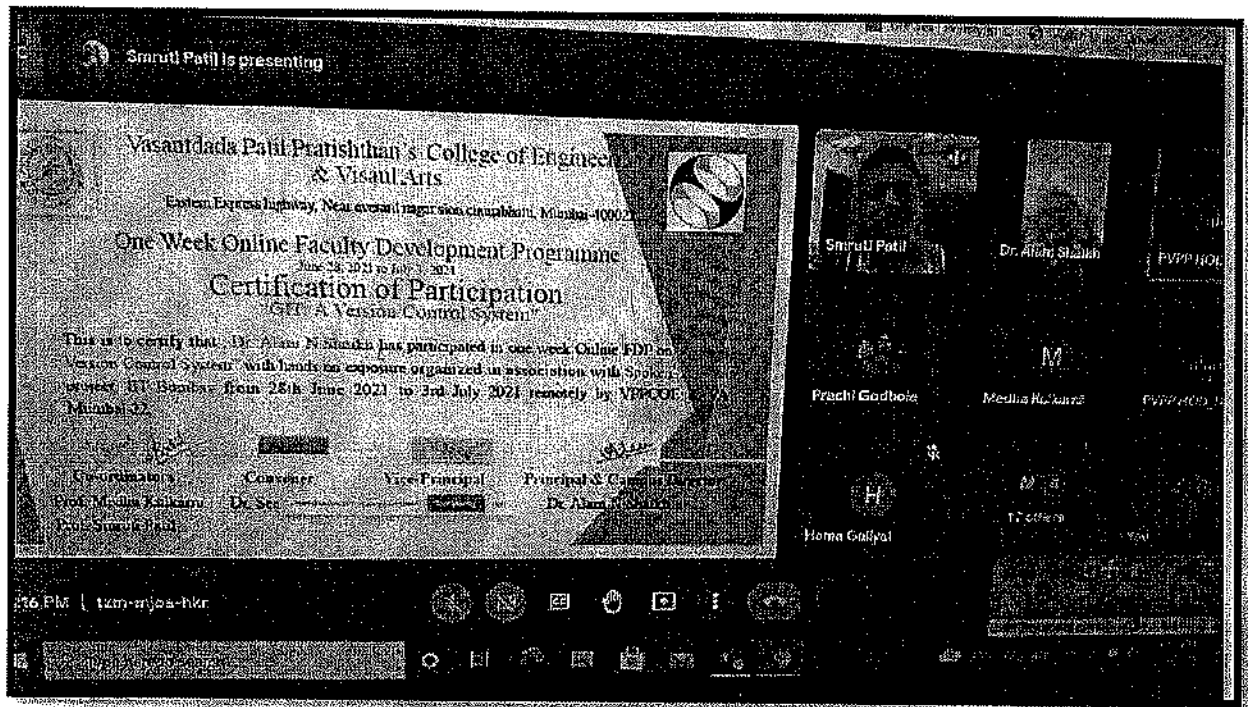
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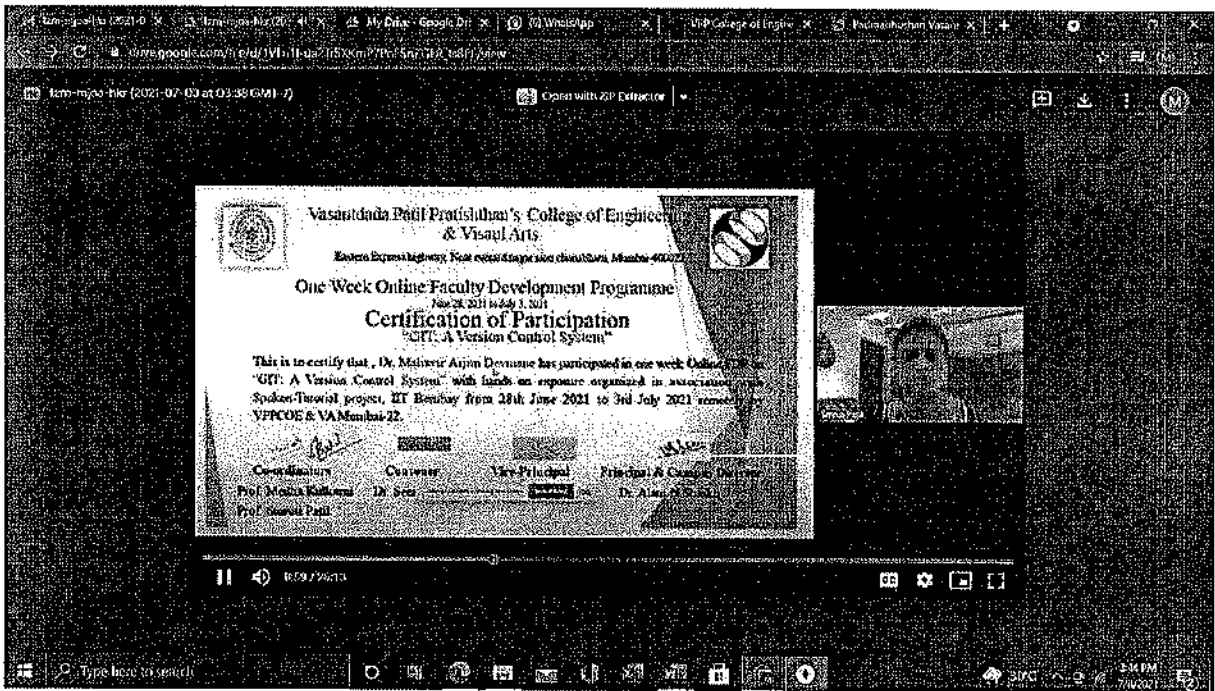
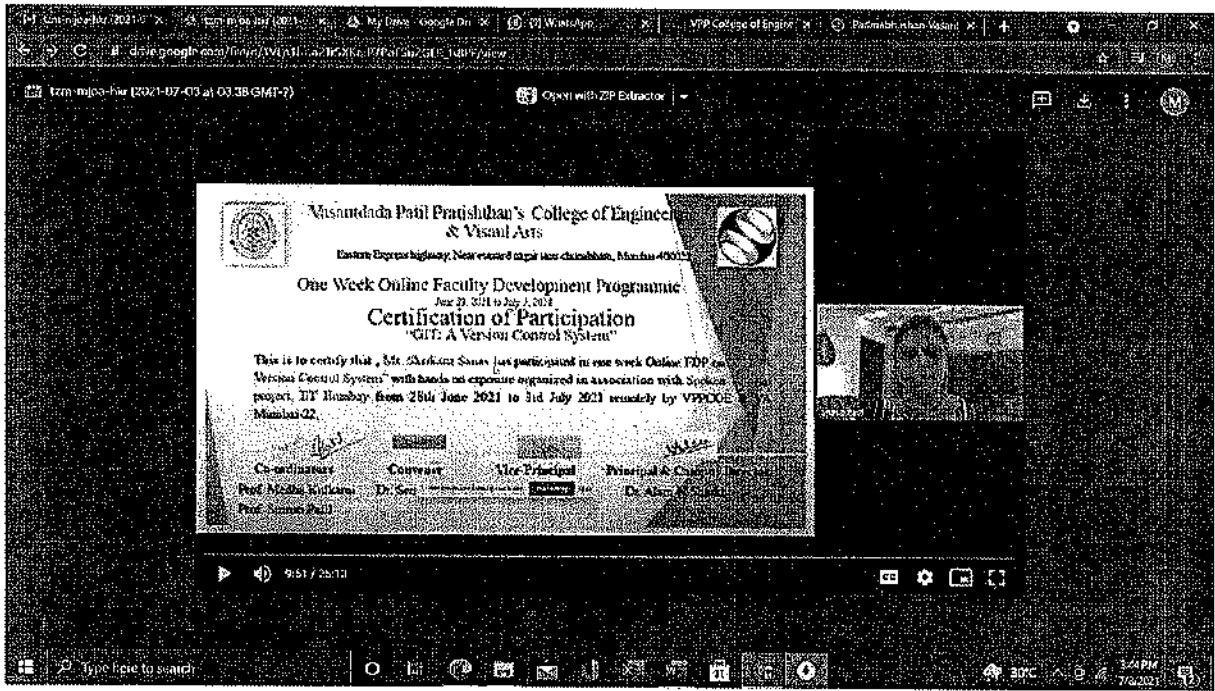
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The certificates of some of the participants were displayed in the virtual valedictory program.





Thank you!

Dr. Seema Ladhe    Prof. Medha Kulkarni    Prof. Smruti Patil



*Medha*

*Patil*

Convener and  
H.O. D.  
IT Department

Coordinator

Coordinator



12<sup>th</sup> July 2021

**A Brief Report on**

**One week Faculty Development Program (FDP) in association with**  
**Spoken Tutorial IITB, Mumbai**

**On**

**“Android App Using Kotlin”**

**Duration:** 5<sup>th</sup> July -10<sup>th</sup> July 2021

**Participants:** Faculty from VPPCOE &VA's College of Engineering, Academicians from other engineering colleges and Technical institutions as well as IT industry persons from all over India and one NRI was also present.

**> About the Program:**

Android is an open source and Linux-based Operating System for mobile devices such as smartphones and tablet computers.

Android Studio is the official IDE for android application development. App development on Android was almost exclusively done using the Java programming language.

Kotlin is a new open source programming language built by JetBrains, known for IntelliJ IDEA (Android Studio is based on IntelliJ IDEA). Kotlin is a language that runs on the JVM (Java Virtual Machine).

Google has announced Kotlin as an official language on Android. Kotlin, is a statically typed programming language for the JVM, Android and the browser. It's deep interoperability with Java, which attracts more Java developers. It is tools-friendly as IDE gives suggestions for Kotlin code, can convert Java code to Kotlin code. It is expressive to make your code more readable and understandable.

➤ **Chief Patrons:**

1. Smt. Ashalata Manohar Phalke, (President, VPPCOE &VA)
2. Sr. Adv. Appasaheb Desai, (General Secretary, VPPCOE &VA))
3. Shri. Shekhar Manohar Phalke,(Vice President, VPPCOE &VA))
4. Shri. P. G. Desai, (Executive Trustee, VPPCOE &VA)

➤ **Patron:**

- Dr. Alam N. Shaikh (Principal and Campus Director, VPPCOE &VA)

➤ **Mode of Conduction:**

- The FOSSEE Team conducts workshop on "Android App using Kotlin" and other FLOSS using spoken tutorials and gives certificates to those who pass an online test.

➤ **Convener:**

- Dr. Mahavir A. Devmane (HOD, Computer)

➤ **Coordinators:**

- Prof. Sumit Shinde (Assistant Professor, Computer Engg.)
- Prof. Asharani Shinde (Assistant Professor, Computer Engg.)

*ASh*

➤ **Conduct:**

Total No. of Participants:67

Department of Computer Engineering conducted One week National Level FDP on " Android App using Kotlin " in Association with IIT Bombay spoken tutorial from 5<sup>th</sup> July 2021 to 10<sup>th</sup> July 2021. This FDP was coordinated by Prof. Sumit Shinde and Prof. Asharani Shinde under guidance of Convener of FDP and HOD of Computer Engineering Department Dr. Mahavir Devmane and Principal Dr. Alam N. Shaikh. This FDP received good response from the engineering faculties and IT professionals all over the India. The training program was arranged to give the introduction about Basic level and intermediate level tutorials About Android studio, Kotlin Features of Kotlin Glimpse of Spoken Tutorials.

Total participation count was 67. This FDP was held online on 6 days with great hands-on experience.

The program started with a heart-warming welcome address by Dr. Mahavir Devmane (Convener) and enlightened the importance and contents of the training program.

**The following topics were covered through the online mode using the spoken tutorial by IITB:**

1. Overview of Kotlin
2. Installation of Android Studio
3. Getting started with Hello World app
4. Creating a Registration form
5. Adding Radio Buttons
6. Adding spinner and Image
7. Creating a Search App
8. URL Request
9. Display Search Result
10. Playing video using YouTube API

At the end of the 5th day of FDP participant feedbacks were collected.

At the end of the FDP, Dr. Alam N. Shaikh (Principal, VPPCOE &VA), in his valedictory talk, congratulate coordinators and organizing committee for the successful conduct of FDP-2021. He emphasized the need of such programs as they provide a unique opportunity to explore the boundaries of what is currently known in domain of android application. He also mentioned that such programs provide a common platform to discuss and learn new methodology to upgrade ourselves.

The function ended with a Vote of Thanks presented by Prof. Asharani Shinde (Coordinator of FDP- 2021).

All the participants were awarded with the e- certificate by VPPCOE &VA under the guidance of Dr. Mahavir Devmane (Convener)

Online certification examination made available on respective login of Spoken Tutorial IITB portal, participants who passed the examination with at least 40% score was awarded e-certificate by IITB Mumbai spoken tutorial.

We received great appreciation from the participants and motivations to conduct such events in the future.

Computer Engineering Department is happy to conduct this event and ready to conduct such events in the future with great enthusiasm.



Prof. Sumit Shinde, Prof. Asharani Shinde

Co-ordinators



Dr. Mahavir Devmane

Convener & HOCD



**A Brief Report on**

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Online certification examination made available on respective login of Spoken Tutorial IITB portal, participants who passed the examination with at least 40% score was awarded e-certificate by IITB Mumbai spoken tutorial.

We received great appreciation from the participants and motivations to conduct such events in the future.

Computer Engineering Department is happy to conduct this event and ready to conduct such events in the future with great enthusiasm.



Prof. Sumit Shinde, Prof. Asharani Shinde



Co-ordinators



Dr. Mahavir Devmane

Convener & HOCD

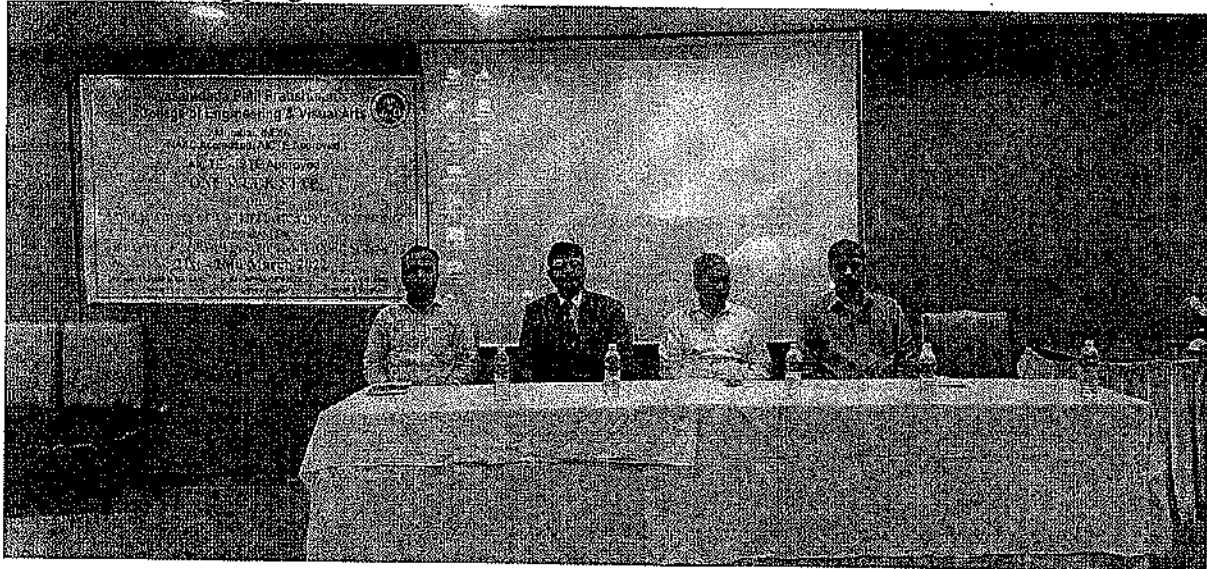


**AICTE-ISTE Approved STTP**  
**On**  
**"APPLICATIONS OF MATHEMATICS IN ENGINEERING"**  
**(21st -26th March 2022)**

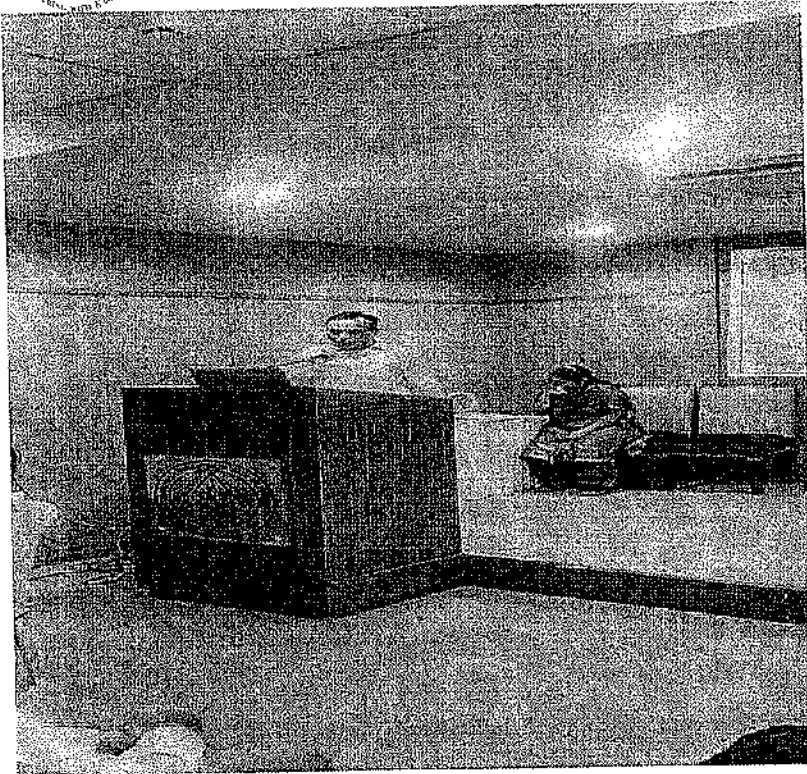
**Final Report**

The Department Humanities and Basic Sciences of Vasantdada Patil Pratishthan's College of Engineering & Visual Arts (VPPCOE & VA), Mumbai organized one week STTP at our own Campus on "APPLICATIONS OF MATHEMATICS IN ENGINEERING" from 21st - 26th March 2022. The STTP was inaugurated by the auspicious hands of our honorable general secretary Senior Advocate Shri Appasaheb Desai and Chief Guest of the program Professor Dattatray Bade by lighting lamp to Goddess Saraswati in auditorium of the Institute. The Short Term Training Program was addressed by Dr. Alam N. Shaikh, Principal & Campus Director, VPPCOE & VA, Mumbai.

Honorable General Secretary of Vasantdada Patil Pratishthan graced the occasion by his presence at the Inaugural Ceremony and motivated participants towards the research through such type training programs.



The STTP was convened by Dr. A. Y. Shete, Head of Department, Humanities and Basic Sciences. There were total 27(11 LM of ISTE) participants.



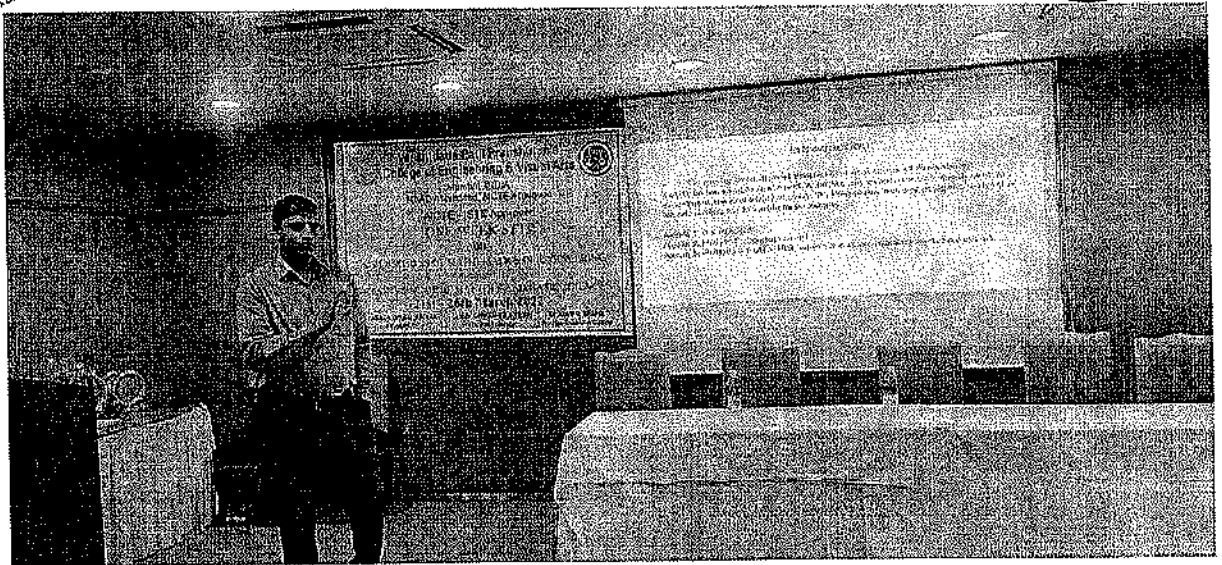
The Program Coordinator Dr. Rajeev Ranjan briefed about the STTP.

Dr. Saurabh Mehta, Professor and CAO, VIT, Mumbai delivered a session as Keynote speaker on Operations Research and flashed on the points which play a vital role during process of research.

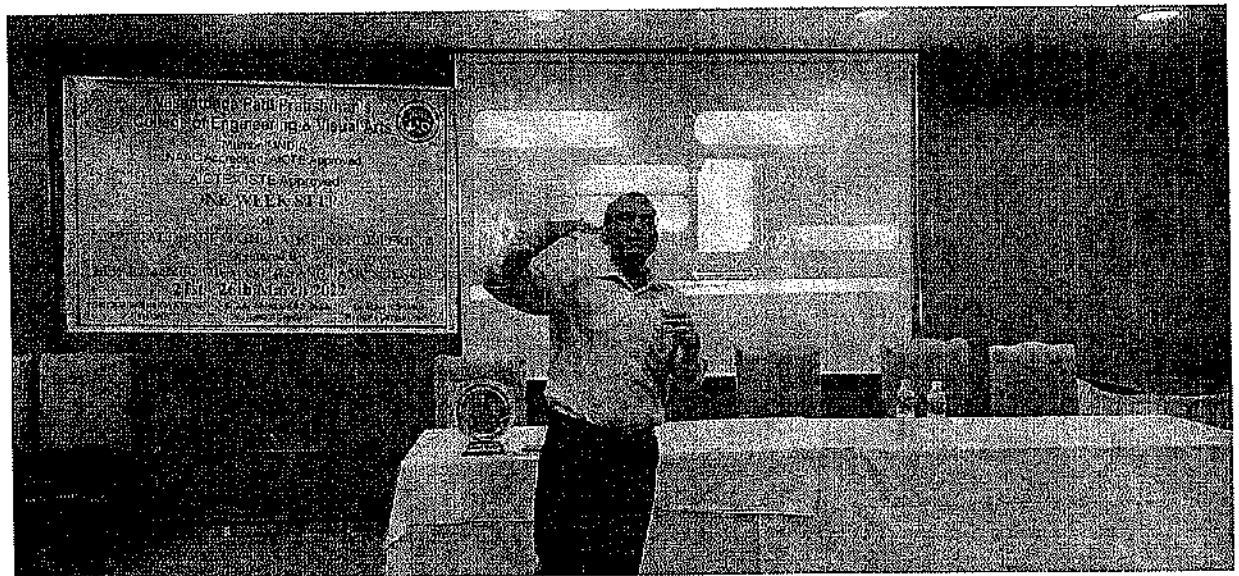




Vasantdada Patil Pratishthan's  
College of Engineering & Visual Arts, Mumbai-22



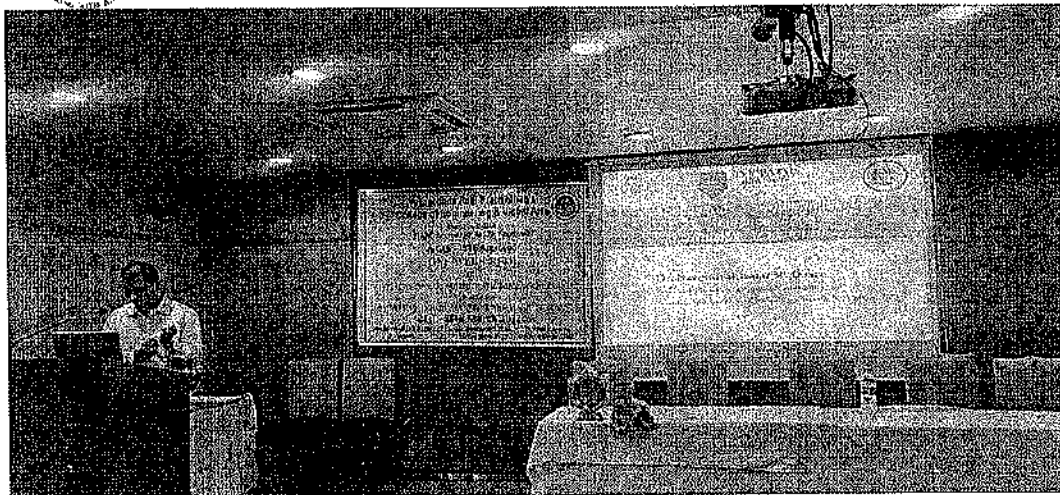
We have eminent speaker Prof. Dattatray Bade, Assistant Professor, VIT Mumbai who conducted two sessions on Random Variables.



Dr. Uday Kashid, Assistant Professor, VIT, Mumbai an experienced faculty has delivered a series of sessions on Linear Algebra and Its applications in various Engineering Fields.

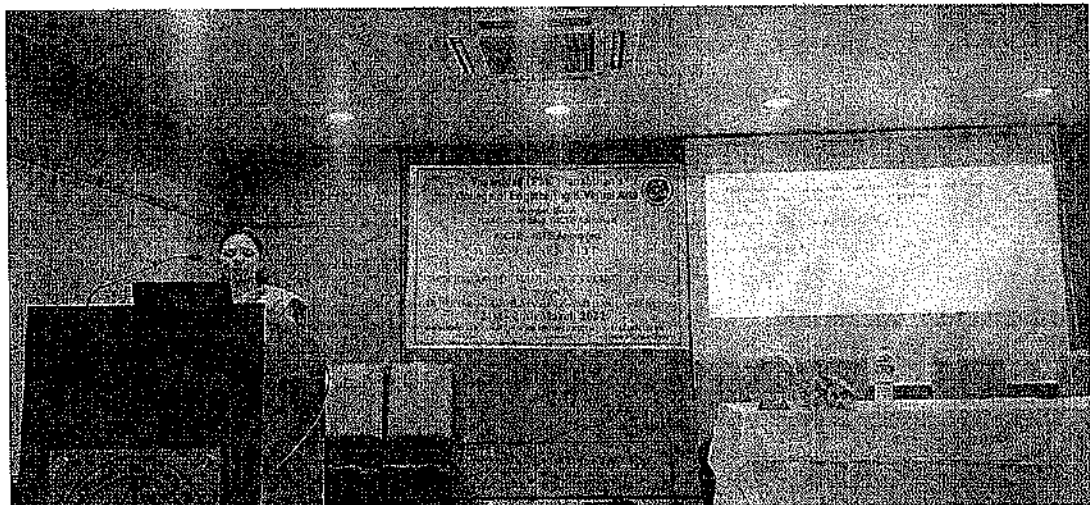


Vasantdada Patil Pratishthan's  
College of Engineering & Visual Arts, Mumbai-22



Two days sessions on Integral Transforms and Complex variables are conducted by Dr. Narendrakumar R. Dasre, RAIT Mumbai.

Dr. Pritam Gujarati-Wani RAIT, Mumbai delivered numerous sessions on Number theory and its applications.





Vasantdada Patil Pratishthan's  
College of Engineering & Visual Arts, Mumbai-22



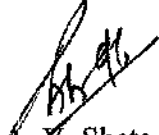
The program concluded by awarding certificates to the participants by the auspicious hands of dignitaries and vote of thanks by coordinator by Dr. Namdev More.



Dr. Namdev More

Dr. Rajeev Ranjan

Programme Coordinator

  
Dr. A. Y. Shete

Head

Dr. Alam N. Shaikh

Principal

Department of Humanities and Basic Science



### List of Resource Persons Invited:

Sr. No.	Name of the resource Person	Topics	Date
1	Dr. Saurabh Mehta Professor & CAO, VIT Mumbai	Operations Research – Game theory	23/03/2022
2	Mr. Dattatry Bade Assistant Professor, VIT Mumbai	Probability & Random variables	22/03/2022 & 22/03/2022
3	Dr. Uday Kashid Assistant Professor and R & D Co- coordinator, VIT Mumbai	Linear Algebra	21/03/2022 & 22/03/2022
4	Dr. Narendrakumar Dasare Associate Professor, RAIT Mumbai	Integral Transforms / Complex Variables	24/03/2022 & 25/03/2022
5	Dr. Pritam Gujarathi – Wani Assistant Professor, RAIT Mumbai	Number Theory	24/03/2022 & 25/03/2022
6	Programme Coordinators	Test (Examination) on the course of STTP & Valedictory Function	26/03/2022





**List of Registered Participants :**

Sr. No.	Name of the Participant	ISTE Membership No.
1	Mr. Vinod Alone	LM48638
2	Mr. Pravin Shinde	LM130198
3	Mr. P.M. Manegopale	LM48880
4	Mrs. Prachi Godbole	LM56707
5	Mr. E.V. Kendole	LM48881
6	Mrs. Prajakta Khelkar	LM122108
7	Mrs. Shrushti Jadhav(LM as Sujata Wagh)	LM48892
8	Dr. A.Y. Shete	LM105265
9	Mr. R. B. Khotre	LM56708
10	Dr. Namdev More	LM130091
11	Mr. R.B. Morey	LM47247

RESULT OF TEST ON THE COURSE OF STTP



Vasantdada Patil Pratishthan's  
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Sr. No.	Name of the Participant	Test Score
1	Mr. Vinod Alone	29
2	Mr. Pravin Shinde	28
3	Mr. P.M. Manegopale	28
4	Mrs. Prachi Godbole	29
5	Mr. E.V. Kendole	28
6	Mrs. Prajakta Khelkar	28
7	Mrs. Shrushti Jadhav	28
8	Dr. A.Y. Shete	28
9	Mr. R. B. Khotre	29
10	Dr. Namdeo More	28
11	Mr. R.B. Morey	29

5<sup>th</sup> Sept,2020

A Brief Report on

**ISTE Approved One Day Faculty Development Program (FDP)**

on

**"National Level One Day Faculty Development Program on "Research Paper Writing & Publication"****Duration:** 5th September,2020**Participants:** Faculty from AICTE approved engineering colleges.**FDP Objectives:**

- The objective of this FDP on Research Paper Writing & Publication is to provide participants with the knowledge to review many procedures involved in writing an academic research paper while also providing participants with hands-on experience in selecting a topic for a paper.
- Participants will learn fundamental procedures of choosing a topic and formulating the research questions. By the end of the FDP, participants will acquire necessary skills for research paper writing & publication based on research topic insights.

**Expected FDP Outcome :***Participants will be able to:*

- Gain a strong understanding of the problem statement in the specific area related to the topic.
- Learn different tricks regarding finding the literature review.
- Learn how to do Literature survey and prepare Literature Review based on it.
- Selection of Topic, framing objectives and formulation of Hypothesis for Research paper writing.
- Understand the importance of citation and strategies to improve the citations.
- Develop the ability to write efficient and effective research paper.
- Engage in self-motivation to write the research paper in a qualitative manner and emphasized that researchers should aim for publishing their papers in Scopus listed journals.



**PVPP'S**

**College of Engineering**

**DEPARTMENT OF**

**ELECTRONICS AND TELECOMMUNICATION**

**Chief Patrons:**

- Sr. Adv. Appasaheb Desai, (General Secretary, PVPPCOE)

**Patron:**

- Dr. Alam N. Shaikh, Principal

**Speaker:**

- Dr. Pramod Bhavarthe (Associate Professor and Head EXTC Dept, PVPPCOE)

**Convener:**

- Dr. Pramod Bhavarthe (H.O.D EXTC Dept)

**Coordinators:**

- Prof. Kushal Ghadge (EXTC Dept.)

**Conduct:**

Total No. of Participants: 40 (Faculty: 40)

*WJ*  
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Sion-Chunabhatti  
MUMBAI - 400 022



**PVPP'S**

College of Engineering

DEPARTMENT OF

**ELECTRONICS AND TELECOMMUNICATION**

Date : 5<sup>th</sup> Sept, 2020

**Inauguration of STTP and Keynote Address**

AICTE and ISTE National Level One Day Faculty Development Program Approved Short Term Training Program (FDP) was organized on 5<sup>th</sup> September, 2020 for the topic "Research Paper Writing & Publication.

The programme started with lighting of lamps by the guest, Dr. Alam N. Shaikh (Principal, VPPCOE & VA), Dr. Pramod Bhavarthe (FDP, Convener) followed by the Saraswati Vandana. Dr. Alam N. Shaikh felicitated Dr. Pramod Bhavarthe by offering a sapling. A heart-warming welcome remark was delivered by Prof. Kushal Ghadge (Coordinator, FDP) and addressed the importance and contents of the FDP training program.

The session further continued with the address of our Principal Dr. Alam N. Shaikh. He spoke about the initiatives of ISTE/FDP, the different programs conducted by them and encouraged participants to come forward and contribute effectively in such programs. He has further explained about use of discussed concepts in innovative teaching learning processes.

Dr. Pramod Bhavarthe (Convener, FDP) illuminated the importance and contents of the FDP. The session further continued with brief insights of Research Paper Writing and publication in the training program.

He has even mentioned benefits of this session for career advancement, professional recognition, opportunities for collaboration, increased visibility, impact on society, credibility and trust, professional development, inspiration for future research, and contribution to the field.

The session concludes with the Vote of Thanks proposed by Prof. Kushal Ghadge.

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College of Engineering  
Sion-Chunabhatti  
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**Speaker: - Dr. Pramod Bhavarthe (Associate Professor and Head, EXTC Dept, PVPPCOE )**

**Research Paper Writing & Publication :**

1. Understanding the problem statement
2. Conducting Literature Survey
3. Prepare Literature Overview
4. Formulation of Hypothesis for Research paper writin
5. Prepare timeline for completion of research work
6. Write efficient and effective research paper
7. Understand Citation and strategies to improve the citations

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10<sup>th</sup> July 2019

**A Brief Report on**  
**ISTE Approved One Week Short Term Training Program (STTP)**  
**on**  
**“CYBER SECURITY AND DIGITAL FORENSICS”**

**Duration:** 1<sup>st</sup> July to 5<sup>th</sup> July 2019

**Participants:** Faculty from AICTE approved engineering colleges.

➤ **STTP Objectives:**

- Objective of the STTP is to introduce the application of cyber security concepts and methods to handle real world problem effectively.
- The main focus of the STTP is to impart knowledge of forensic methods using forensic tools.
- Awareness about cyber crimes and laws.

➤ **Expected STTP Outcome:**

Participants will be able to:

- Use the digital forensics tools.
- Understand the cyber crimes and laws.
- Apply different security measures to protect their data

➤ **Chief Patrons:**

1. Smt. Ashalata Manohar Phalke, (President, PVPPCOE)
2. Sr. Adv. Appasaheb Desai, (General Secretary, PVPPCOE)
3. Shri. P. G. Desai, (Executive Trustee, PVPPCOE)

➤ **Patron:**

- Dr. Alam N. Shaikh (Principal, PVPPCOE and Campus Director PVPP)

➤ **Chief Guest and Keynote Speaker:**

- Dr. Nareshkumar Harale, Assistant Vice President, Cyber Security, ISS Operation and GRC, Development Bank of Singapore India Ltd. Mumbai.



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[F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15]

➤ **Speakers:**

1. Dr. Nareshkumar Harale, Assistant Vice President, Cyber Security, ISS Operation and GRC, Development Bank of Singapore India Ltd. Mumbai.
2. Dr. Dayanand Ingle, HOD & Professor, Computer Engineering, Bharati Vidyapeeth Institute of Technology, Kharghar
3. Mr. Krishna Gite, Divisional Manager (Corporate Banking), SVC Co-operative Bank Ltd.
4. Dr. Mahavir Devmane, Professor, PVPPCOE, Sion, Mumbai
5. Prof. Asha Rawat, Associate Professor, PVPPCOE, Sion, Mumbai

➤ **Convener:**

- Dr. Mahavir A. Devmane (HOD, Computer)

➤ **Coordinators:**

1. Prof. Atul Shintre
2. Prof. Sumit Shinde

*A. N. Shintre*  
*M. Devmane*

➤ **Conduct:**

Total No. of Participants: 21





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[F.No.- 28-110/2010 NBA, Dtd. 15/03/12 to 14/03/15]

**DAY 1 – 01/07/2019 (Monday)**

**Venue: - Auditorium (216)**

**Inauguration of STTP and Key Note Address**

**Session 1**

**Time: 10:00 AM to 12:00 AM**

One Week AICTE and ISTE Approved Short Term Training Program (STTP-2019) was organized from 1<sup>st</sup> July to 5<sup>th</sup> July 2019 on “**CYBER SECURITY AND DIGITAL FORENSICS**”. The workshop was arranged to explore the application of cyber security concepts and methods to handle real world problem in cyber security effectively and efficiently.

The programme started with lighting of lamp by the chief guest, Dr. Nareshkumar Harale, Assistant Vice President, Cyber Security, ISS Operation and GRC, Development Bank of Singapore India Ltd. Mumbai. and Dr. Alam N. Shaikh (Principal, PVPPCOE and Campus Director PVPP), Mr. Shailesh Mokashi (Registrar, PVPPCOE), Dr. Mahavir Devmane (Convener of STTP) followed by the singing of the Saraswati Vandana.

Dr. Alam N. Shaikh felicitated Dr. Nareshkumar Harale by offering a sapling.

A heart-warming welcome remark was delivered by Prof. Asha Rawat (Organizing Committee member of STTP 2019) and addressed the importance and contents of the training program.

The session further continued with the address of our Principal Dr. Alam N. Shaikh. He spoke about the initiatives of ISTE/STTP, the different programs conducted by them and encouraged participants to come forward and contribute effectively in such programs. He further explained how such programs help in developing Research & Development culture in educational institutes.

Dr. Mahavir Devmane (Convener, STTP 2019) enlightened the importance and contents of the STTP.

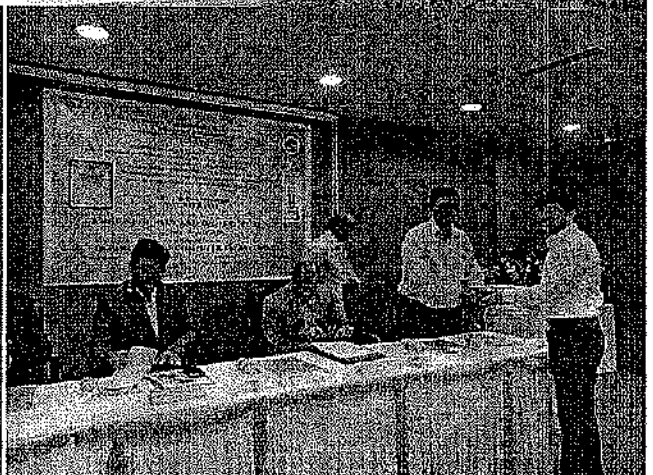
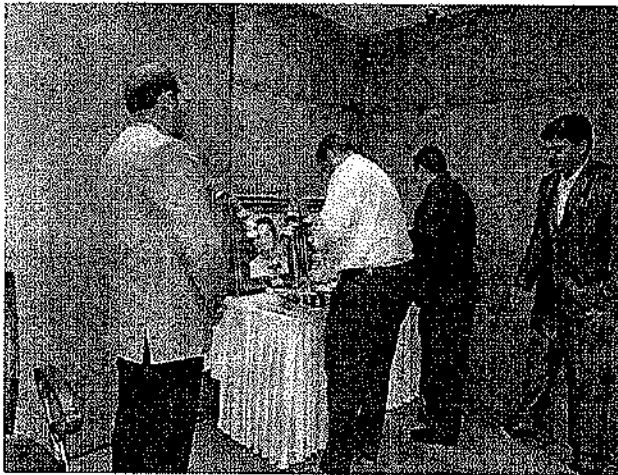
The session further continued with the address of Dr. Nareshkumar Harale, who enlightened the participants about the importance of such training programs. He even mentioned that the primary objective of this endeavor is to impart knowledge of forensic methods using forensic tools. Also create awareness about cyber crimes and laws.

The last address of the session was Vote of Thanks proposed by Mr. Atul Shintre.



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[F.No.- 28-116/2010 NBA, During 15/03/12 to 14/03/15 ]

**DAY 1 – 01/07/2019 (Monday)**

**Venue: - Auditorium (216)**

**Session 2 and 3**

**Time: - 12:15 am to 1:15 pm & 02.00 pm to 4.00 pm**

**Speaker: - Dr. Nareshkumar Harale**

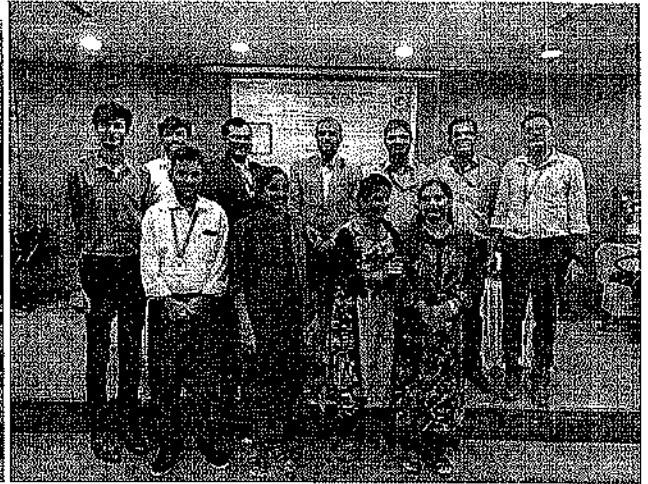
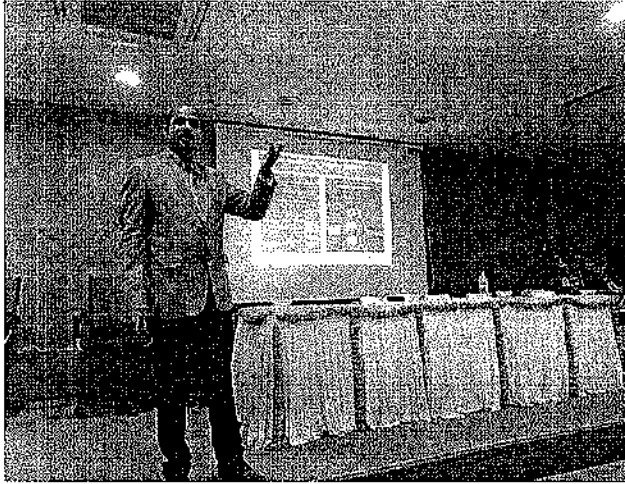
**Topic Covered**

- Cyber Attacks and Trends
- Cyber Security Frameworks
- SIEM and SOAR Architectures & use cases
- Incident Response
- Threat Intelligence Services
- Data Privacy
- Cyber Kill Chain
- Top Trends 2019 and ahead
- Cyber attacks Landscape
- How cyber security can be implemented
- Sociology of cyber criminals
- Social Engineering
- Cyber crime techniques
- VOIP Hacking & Countermeasures
- Vulnerability Research
- Information Security Principles
- DoS and DDoS Attacks
- Network Attacks



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**DAY 2 – 02/07/2019 (Tuesday)**

**Venue: - Auditorium (216)**

**Session 4 and 5**

**Time: - 10:00 am to 1:00 pm & 02.00 pm to 4.00 pm**

**Speaker: - Dr. Dayanand Ingle, HOD & Professor, Computer Engineering, Bharati Vidyapeeth Institute of Technology, Kharghar**

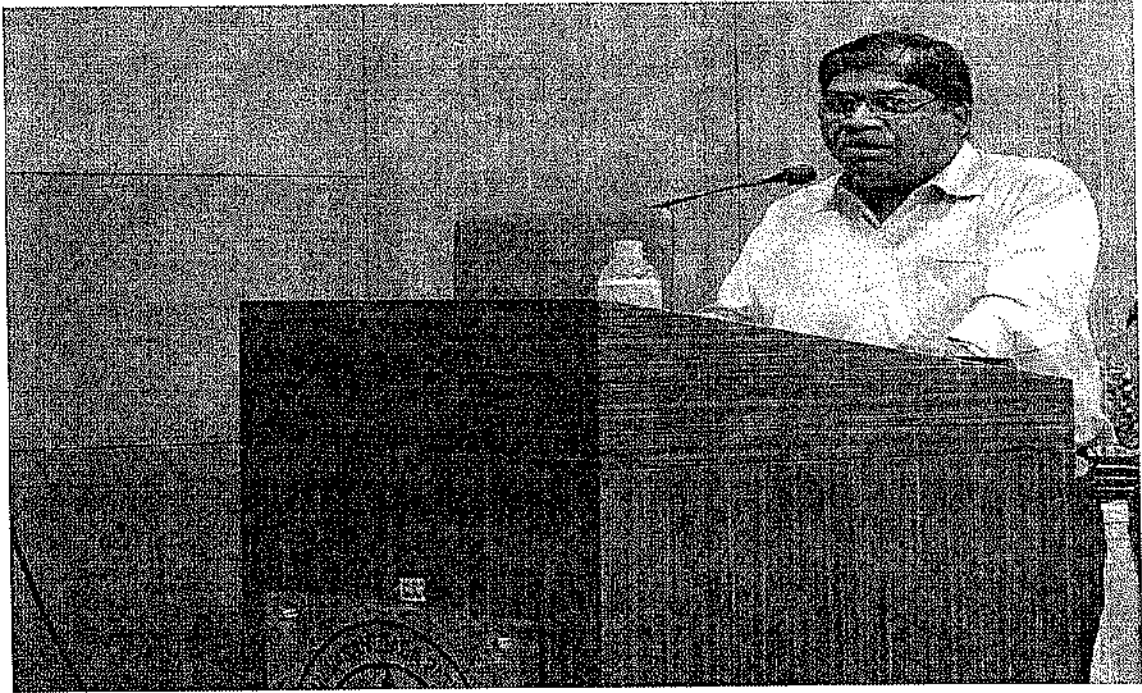
**Topic Covered**

- Dr. Dayanand Ingle has explained and demonstrated different case studies in Cyber security.
- He continued further by explaining the Public Key Cryptography techniques and Digital Signatures.
- He also shared the different Secret Sharing Schemes with the participants and also explain the importance of these schemes.
- The importance of cyber security.
- Challenges of cyber security.
- Managing cyber security.
- The three pillars of data security.
- Elements of cyber security.
- Cyber attacks and cyber security threat.
- How to protect against cyber security attacks.



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**DAY 3 – 03/07/2019 (Wednesday)  
Venue: - Auditorium (216)**

**Session 6 and 7**

**Time: - 10:00 am to 1:00 pm & 02.00 pm to 4.00 pm**

**Speaker: - Mr. Krishna Gite, Divisional Manager (Corporate Banking), SVC Co-operative Bank Ltd.**

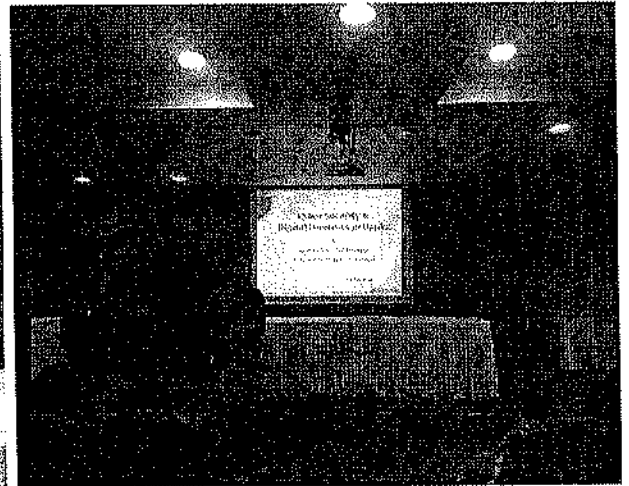
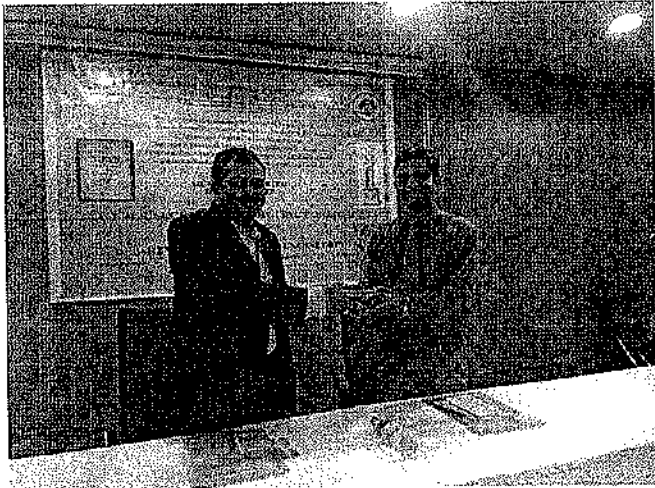
He started the day with following Contents:

- Cyber security in banking sectors
- Case studies of frauds in banking sectors



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[F.No.- 28-116/2010 NBA, During 15/03/12 to 14/03/15 ]

**DAY 4 – 04/07/2019 (Thursday)**

**Venue: - Lab No. 316**

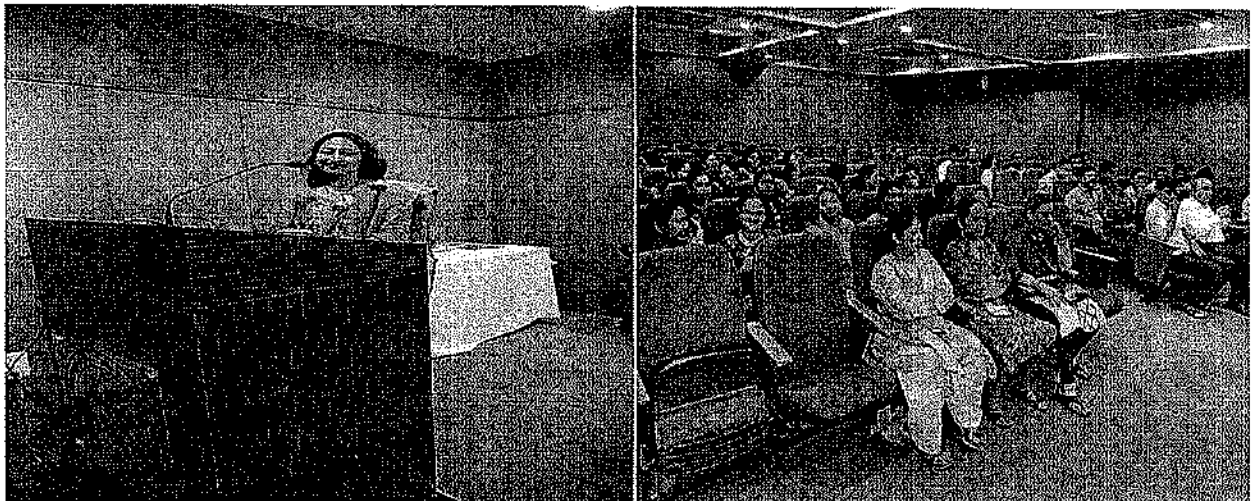
**Session 8 and 9**

**Time: - 10:00 am to 1:00 pm & 02.00 pm to 4.00 pm**

**Speaker: - Prof. Asha Rawat**

She started the day with following Contents with their demonstrations:

- What is Digital Forensics
- Incidence Response
- Preserving and recovering digital evidence
- Hands-on Digital Forensics tools like Winhex
- Case study on email spoofing
- Demo on web backdoor
- Live data collection from Unix system
- How to create response toolkit
- Forensics duplicates
- Demo of creating forensic duplicate of hard disk
- Recovering deleted files in windows system
- Recovering deleted files in unix system
- Bit coin and Crypto currency
- A look at blockchain technology
- Potential applications of blockchain far beyond bitcoin and cryptocurrency





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**DAY 5 – 05/07/2019 (Friday)**

**Venue: - Auditorium (216)**

**Session 10**

**Time: - 10:00 AM to 1:00 PM**

**Speaker: Dr. Mahavir Devmane**

He started the day with following Contents with their demonstrations:

- Introduction to Cyber security and Laws
- Federal Cyber security Laws
- State-Specific Security Regulations
- The General Data Protection Regulation (GDPR)
- California's SB-327 Bill for IoT Security
- Privacy and data protection laws
- Intellectual Property (IP) Laws



**Session 11**

**Time: - 02:00 PM to 03:00 PM**

**MCQ Test conducted**





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**DAY 5 – 05/07/2019 (Friday)**

**Valedictory Function**

**Venue: - Auditorium (216)**

**Time: - 3:30 PM to 4:30 PM**

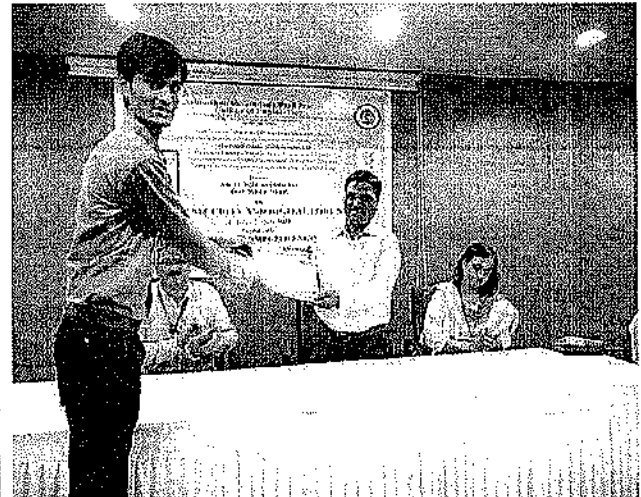
The program ended with the valedictory function which was graced by the presence of Dr. Alam N. Shaikh (Principal, PVPPCOE and Campus Director PVPP), Mr. Shailesh Mokashi (Registrar, PVPPCOE), Prof. Vijay L. Salke (Vice Principal, PVPPCOE), Dr. Mahavir Devmane ( Convener and HOD, Computer Engg. PVPPCOE).

Dr. Alam N. Shaikh (Principal, PVPPCOE), in his valedictory talk, congratulate coordinators and organizing committee for the successful conduct of STTP-2019. He emphasized the need of such programs as they provide a unique opportunity to explore the boundaries of what is currently known in domains of cyber security and digital forensics. He also mentioned that such programs provide a common platform to discuss and learn new methodology to upgrade ourselves.

The function ended with a Vote of Thanks presented by Prof. Sumit Shinde (Coordinator STTP-2019).

Valedictory function was further preceded with the distribution of certificates to the participant's.

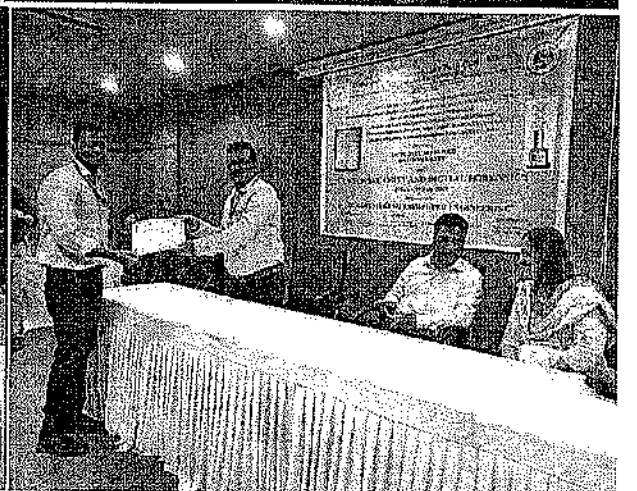
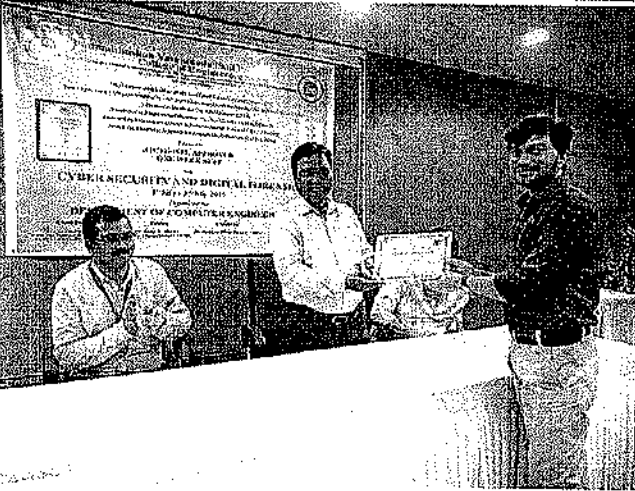
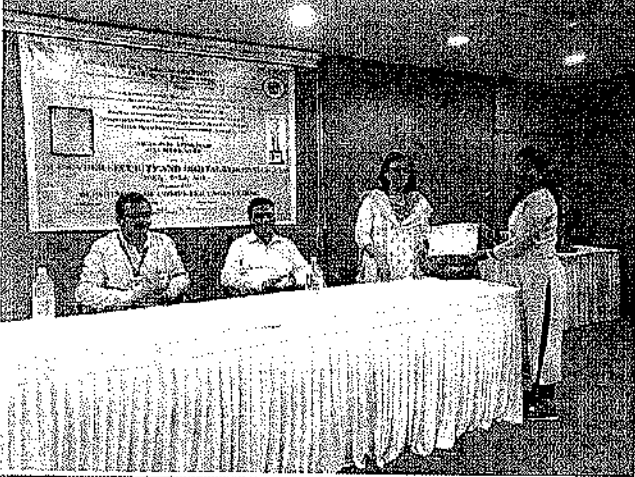
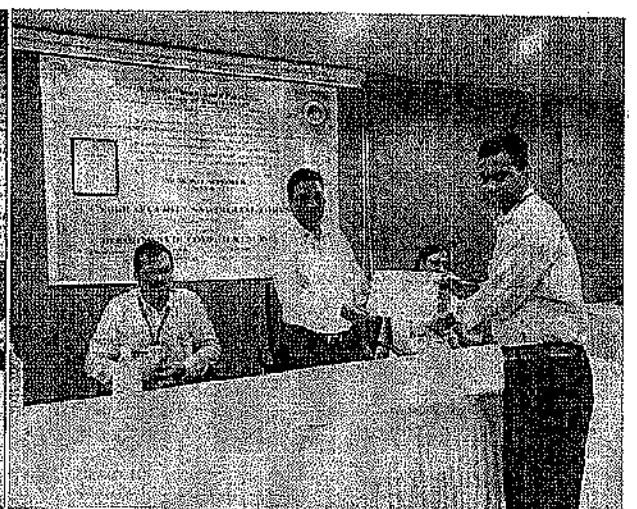
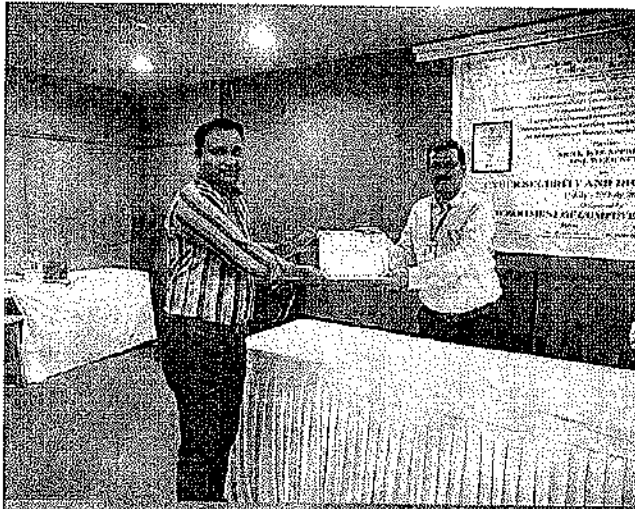
The Valedictory function concluded with playing the National Anthem.





# Padmabhushan Vasantdada Patil Pratishthan's College of Engineering

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[F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15]





15<sup>th</sup> May, 2020

A Brief Report  
of  
**IETE approved Webinar**  
on  
**"Antenna Design Through Simulation using TeraNG:19"**

Duration: 15<sup>th</sup> May, 2020

Participants: Faculty from AICTE approved engineering colleges.

**STTP Objectives:**

- The objective of this FDP on Research Paper Writing & Publication is to provide participants with the knowledge to demonstrate the simulation of different algorithms and different antenna design used in circuit design and review microstrip network design.
- Participants will learn fundamentals and use of TeraNG 19.1 software procedures and interactive learning and circuit models and antenna design. By the end of the Webinar, participants will acquire necessary skills for simulating the demonstration of algorithms used in circuit design.

**Expected Webinar Outcome :**

*Participants will be able to understand :*

- Introduction to TeraNG:19.1: The Graphic user interface, novelty and uniqueness, operation and applications
- Introduction to Interactive Learning Cycle: How TeraNG:19.0 is suitable for it.
- Circuit models (schematic design): Conservative model: Transient and frequency domain analysis of series RLC circuit and observation of damping by moving the slider (tweak-based simulation) Signal flow model: Amplitude Modulation in time and frequency domain (Fourier).
- HF issues and parasitic modelling: Effects at higher frequencies (Skin effect, proximity etc.), Non-Ideal behavior of RLC circuit components, Introduction to EMI/EMC.
- Linear Antennas: Half-wavelength Dipole: current distribution, radiation pattern, directivity, input Impedance, Yagi-Uda Antenna, Loop Antenna.
- Other EM Applications: Introduction to Microstrip Network Design, Electrostatic Analysis, Interconnect analysis, RADAR Analysis.



Date : 15<sup>th</sup> May, 2020**Inauguration of Webinar and keynote address**

**One Day Webinar was organized on 15<sup>th</sup> May 2020 on the topic "Antenna Design Through Simulation using TaraNG:19"**

The programme started with lighting of lamps by the guest, Mr. Swapnil Gaul and Dr. Alam N. Shaikh (Principal, VPPCOE & VA), Dr. Pramod Bhavarthe (STTP, Convener) followed by the Saraswati Vandana. Dr. Alam N. Shaikh felicitated Mr. Swapnil Gaul by offering a sapling. A heart-warming welcome remark was delivered by Prof. K. S. L. Parvathi (Coordinator STTP) and addressed the importance and contents of the training program.

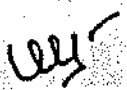
The session further continued with the address of our Principal Dr. Alam N. Shaikh. He spoke about the initiatives of different programs such as ISTE / Webinar / STTP conducted by them and encouraged participants to come forward and contribute effectively in such programs. He has further explained about use of discussed concepts in innovative teaching learning processes.

Dr. Pramod Bhavarthe (Convener, STTP) illuminated the importance and contents of Webinar. The session further continued with the address of Mr. Swapnil Gaul, who focussed on Low Frequency Design (LF) and High Frequency Design (HF) gave brief insights during the workshop will be on Low Frequency Design (LF) and High Frequency Design (HF) of electronics systems.

First hour of workshop will cover the insight on circuit simulations (RLC circuit) i.e. mathematical modeling of electronics components and provide short idea on how the simulation algorithms are developed. At the end of first hour non ideal behavior of the electronic systems and effect of parasitic will be discussed. The second hour of workshop will demonstrate the need of 3D software for design of electronics systems and brief on EMI/EMC issues, signal crosstalk and need of S Parameters analysis at higher frequency.

After discussing near and far field applications, he focussed on radiation Antenna Design with modeling and simulation of simulation of sets of antennas especially Wire Antennas. He also demonstrated few scattering problems considering basic shapes which can be covered under RADAR Cross Section Analysis having applications in Defense and Military purpose. At the end of webinar, students will be able to learn how computers are solving the electronics designs and helping us in entire product life-cycle at industries..

The Webinar session concludes with the Vote of Thanks proposed by Prof. K. S. L. Parvathi.

  
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MUMBAI - 400 022



Speaker: - Mr. Swapnil Gaul

**Topics Covered :**

- Antenna Design
- Simulation Algorithms
- Circuit Simulations with examples



### Valedictory Function

The program ended with the valedictory function, which was graced by the presence of Dr. Alam N. Shaikh (Principal, VPPCOE & VA) & Dr. Pramod Bhavarthe (Convener and HOD, EXTC Dept)

Dr. Alam N. Shaikh (Principal, VPPCOE), in his valedictory talk, congratulated the coordinators and organizing committee for the successful conduct of Webinar. He emphasized the need for such programs, as they provide a unique opportunity to explore the boundaries of what is currently.

They will also learn how to how computers are solving the electronics designs and helping us in entire product life-cycle at industries. He also mentioned that such programs provide a common platform to discuss and learn new methodologies to upgrade ourselves.


The function ended with a Vote of Thanks presented by Prof. K. S. L. Parvathi(Coordinator Webinar).

The valedictory function was further preceded by the distribution of certificates to the participant's.

The Valedictory function concluded with the playing of the National Anthem.

The list of supporting documents is as follows as :

1. Attendance
2. Participant Feedback
3. Speaker Feedback

  
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5<sup>th</sup> Jan 2020

**A Brief Report on  
One Week Faculty Development Program (FDP)  
On  
“Internet of Things”**

**Duration:** 30<sup>th</sup> Dec 2019 to 4<sup>th</sup> Jan 2020

**Participants:** Faculty from AICTE approved engineering colleges and students of PVPPCOE.

**FDP Objectives:**

1. **Understanding IoT Fundamentals:** Equip participants with a comprehensive understanding of the basic concepts, components, and architecture of IoT systems.
2. **Exploring IoT Applications:** Introduce participants to diverse real-world applications of IoT across various sectors such as healthcare, agriculture, smart cities, and industrial automation.
3. **Hands-on Experience:** Provide hands-on experience with IoT hardware and software platforms, enabling participants to develop practical skills in sensor integration, data collection, and analysis.
4. **Collaborative Projects:** Encourage participants to collaborate on projects that apply IoT concepts to address real-world challenges, fostering teamwork and innovation.
5. **Pedagogical Strategies:** Provide guidance on integrating IoT topics into academic curricula, including lesson planning, project-based learning approaches, and assessment strategies.

**Expected FDP Outcome:**

*Participants will be able to:*

- Gain a strong understanding of the Internet of Things and its applications in various domains.
- Acquire essential skills in IoT.
- Learn how to work with different IoT hardware and software platforms.
- Learn to integrate IoT topics into project based learning.
- Engage in hands-on projects and exercises to apply learned concepts to real-world problems.





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College of Engineering

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**Chief Patrons:**

- Sr. Adv. Appasaheb Desai, (General Secretary, VPPCOE)

**Patron:**

- Dr. Alam N. Shaikh, Principal
- Mr. Varun A. Desai, Registrar

**Speakers:**

- Dr. Y. S. Rao, Vice Principal, SPIT, Mumbai
- Prof. D. D. Ambawade, SPIT, Mumbai
- Prof. Manish Parmar, SPIT
- Mr. Sachin Sadare, Digital Dojo
- Dr. Pramod Bhavarthe (Associate Professor and Head AI&DS Dept, VPPCOE&VA)

**Convener:**

- Prof. Rajesh Khotre (EXTC Dept)

**Coordinators:**

- Prof. Harsha Sanap

**Conduct:**

Total No. of Participants: 25 (Faculty: 25) + 10 (students)

**Venue: Seminar Hall (216) and Simulation Lab (205)**

*Harsha Sanap*  
CO-ordinator



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**Day 1 -30/12/2019(Monday)**

**Venue : Auditorium (216)**

**Inauguration of STTP and Keynote Address**

**Session 1**

One Week Faculty Development Program was organized from 30<sup>th</sup> Dec 2019 to 4<sup>th</sup> Jan 2020, on the topic "**Internet of Things**" to leverage the power of IoT to drive strategic decision-making and deliver actionable insights for faculties and students.

The program started with lighting of lamps by the guest, Dr. Y. S. Rao, Vice Principal, SPIT and Dr. Alam N. Shaikh (Principal, VPPCOE & VA), Prof. Rajesh Khotre (FDP, Convener) followed by the Saraswati Vandana. Dr. Alam N. Shaikh felicitated Dr. Y. S. Rao by offering a sapling. A heart-warming welcome remark was delivered by Prof. Harsha Sanap (Coordinator FDP 2020) and addressed the importance and contents of the training program.

The session further continued with the address of our Principal Dr. Alam N. Shaikh. He spoke about the initiatives of STTP/FDP, the different programs conducted by them and encouraged participants to come forward and contribute effectively in such programs. He has further explained about use of discussed concepts in innovative teaching learning processes.

The session further continued with the address of Dr. Y. S. Rao, Vice Principal, SPIT, who gave brief insights of his session in the training program. The day 1 concludes with the Vote of Thanks proposed by Anagha Dhavalikar.

**Session 2**

**Speaker:** - Dr. Y. S. Rao, Vice Principal, SPIT

1. Introduction to IoT: An overview session covering the fundamentals of IoT, including definitions, key components, and the IoT ecosystem.
2. IoT Architecture and Components: Architecture of IoT systems, discussing sensors, actuators, gateways, communication protocols, and cloud platforms.
3. IoT Applications Across Industries: Exploring diverse IoT applications in healthcare, agriculture, smart cities, manufacturing, logistics, and consumer electronics.
4. IoT Security: Discussion on security challenges in IoT, covering topics such as data encryption, authentication, access control, secure firmware updates, and defense against cyber-attacks.

**DAY 2 – 31/12/2019 (Tuesday)**

**Speaker:** - Dr. Y. S. Rao, Vice Principal, SPIT

**Topic Covered:**

**Hands-on Workshop: IoT Prototyping:** A hands-on workshop where participants learnt to build simple IoT prototypes using development boards, sensors, and cloud platforms.

**DAY 3 – 01/01/2020 (Wednesday)**

**Speaker:** Dr. Y. S. Rao, Vice Principal, SPIT

**Topic Covered:**

**IoT Data Management and Analytics:** Discussion on techniques for managing, processing, and analyzing data generated by IoT devices, including data storage, real-time processing, and predictive analytics.



**Hands-on session on**

Wireless Communication Technologies for IoT: Discussion various wireless communication technologies used in IoT, such as Wi-Fi, Bluetooth, Zigbee, LoRa, and cellular networks.

IoT Platforms and Framework: Review popular IoT platforms and frameworks for device management, data visualization, and application development, such as AWS IoT, Azure IoT, and Google Cloud IoT Core.

**DAY 4 – 02/01/2020 (Thursday)**

- **Speaker:** - Prof. D. D. Ambawade, SPIT, Mumbai

**Topic Covered:**

Industry 4.0 and IoT: Discussion on the convergence of IoT with other technologies such as artificial intelligence, edge computing, and blockchain in the context of Industry 4.0.

Ethical and Social Implications of IoT: Exploring ethical considerations, privacy issues, and the societal impact of IoT adoption, including data privacy, surveillance concerns, and the digital divide.

Case Studies and Best Practices: Present case studies of successful IoT implementations across different sectors and discuss best practices for planning, deploying, and managing IoT projects.

Pedagogical Strategies for Teaching IoT: Guidance on integrating IoT topics into academic curricula, including project-based learning, hands-on labs, and collaborative projects.



**DAY 5 – 03/01/2020 (Friday)**

**Speaker:** Prof. Manish Parmar, SPIT

**Topic Covered:**

Future Trends in IoT: Exploring emerging trends and technologies shaping the future of IoT, such as edge computing, 5G networks, digital twins, and quantum computing.

Panel Discussion on Opportunities and Challenges in IoT Education and Research

**DAY 6 – 04/01/2020 (Saturday)**

**Speaker:** Dr. Pramod Bhavarthe,

**Topic Covered:**

Closing Remarks and Reflection: Insights on key takeaways from the FDP, encourage participants to share their experiences and insights, and discuss strategies for continued learning and collaboration.

**MCQ Test: 30 marks MCQ Test has been conducted based on the topics covered in above sessions.**

### **Session-2**

#### **Valedictory Function**

The program ended with the valedictory function, which was graced by the presence of Dr. Alam N. Shaikh (Principal, PVPPCOE) & Dr. Pramod Bhavarthe (HOD, EXTC Dept)

Dr. Alam N. Shaikh (Principal, PVPPCOE), in his valedictory talk, congratulated the coordinators and organizing committee for the successful conduction of FDP.

The function ended with a Vote of Thanks presented by Prof. Harsha Sanap (Coordinator).

The valedictory function was further preceded by the distribution of certificates to the participant's.

The Valedictory function concluded with the playing of the National Anthem.

The list of supporting documents is as follows as,

1. Attendance
2. Participant Feedback

*Harsha*  
Co-coordinator



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3. Speaker Feedback
4. Result of test



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Date: 10/01/2020

**A Brief Report on  
AICTE-ISTE Approved One Weeks Short Term Training Program (STTP)**

**Event Details: AICTE-ISTE Approved One Weeks Short Term Training Program (STTP) on  
"Zest of Data Science"**

**Duration:** 30<sup>th</sup> December 2019 to 04<sup>th</sup> January 2020

**Participants:** Faculties from PVPP College of Engineering (Computer & IT Department) & other Engineering Colleges.

➤ **Chief Patrons:**

1. Smt. Ashalata Manohar Phalke, (President, PVPPCOE)
2. Sr. Adv. Appasaheb Desai, (General Secretary, PVPPCOE)
3. Shri. P. G. Desai, (Executive Trustee, PVPPCOE)

➤ **Patron:**

1. Dr. Alam N. Shaikh (Campus Director & Principal, PVPPCOE)

➤ **Chief Guest:**

1. Dr. Vivek Deshpande (HOD, Computer Engg. Dept, VIT, Pune)

➤ **Conveners:**

1. Dr. Seema Ladhe (HOD, IT)

➤ **Coordinators:**

1. Prof. Smruti Patil
2. Prof. Pravin Shinde

➤ **Conduct:**

Total No. of Participant: 27



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### > STTP Objectives:

- To introduce the applications of Data Analytics and its industry approach to research scholars.
- To get hands on live project development experience.
- The main focus of STTP is to impart the skills and experience required to broaden the skill-set for data.

### > Expected STTP Outcome:

Participants will be able to:

- Understand the applications of Data analytics.
- Understand the advance libraries of Python.
- Understand the recent trends in Survival Analysis.
- Understand the concept of time series analysis.
- Understand the advance topics in R technology.





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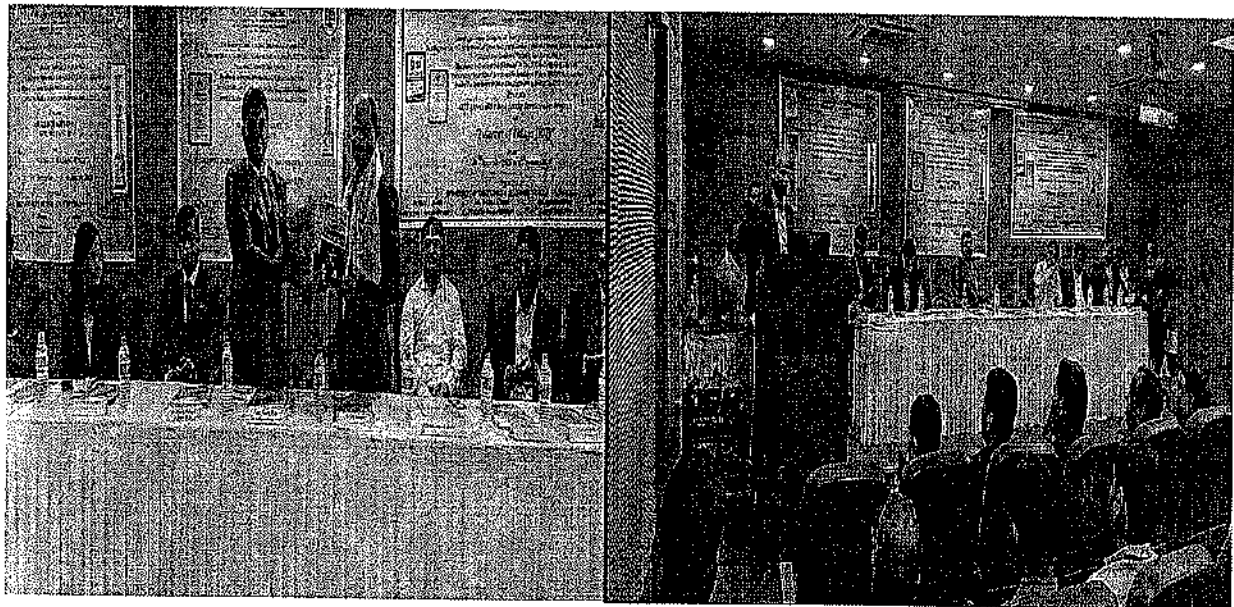
**DAY 1 – 30/12/19 (Monday)**  
**Venue: - Auditorium (216)**

**Inauguration of STTP and Key Note Address:**  
**Time: - 9:30 AM to 11:00 AM**

The One Week AICTE-ISTE Approved Short Term Training Program (STTP-2019) which was organized from 30<sup>th</sup> Dec 2019 to 04<sup>th</sup> Jan 2020 on “Zest of Data Science” was designed to explore the Recent Trends in Research and Development using Data Science.

The One Week Short Term Training Programme (STTP-2019) started with lighting of lamp by the chief guest, Dr. Vivek Deshpande (HOD, Computer Engg. Dept, VIT, Pune) and Dr. Alam N. Shaikh (Campus Director & Principal, PVPPCOE) followed by the singing of the Saraswati Vandana. Before the welcome address by course coordinator, Dr. Alam N. Shaikh (Campus Director & Principal, PVPPCOE) felicitated Dr. Vivek Deshpande (HOD, Computer Engg. Dept, VIT, Pune). A heart-warming welcome remark was delivered by Prof. Smruti Patil (Coordinator of STTP 2019). She also enlightened the importance and contents of the training program. The session further continued with the address of Dr. Vivek Deshpande (HOD, Computer Engg. Dept, VIT, Pune), who enlightened the participants about the importance of such training programs and how such programs help in developing R&D culture in educational institutes. He even mentioned that the primary objective of this endeavor is to inculcate and nurture the culture of research amongst all of us and also guided us in how to integrate research in academics and session further continued with the address of our Principal Dr. Alam N. Shaikh, he spoke about the initiatives of AICTE-ISTE/STTP, the different programs conducted by them and encouraged participants to come forward and contribute effectively in such programs.

The last address of the session was Vote of Thanks given by Dr. Seema Ladhe (HOD, IT)





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**DAY 1 -30/01/2020 (Monday)**

**Venue: - Auditorium (216)**

## **Session 1**

**Time: - 11:00 am to 1:00 pm**

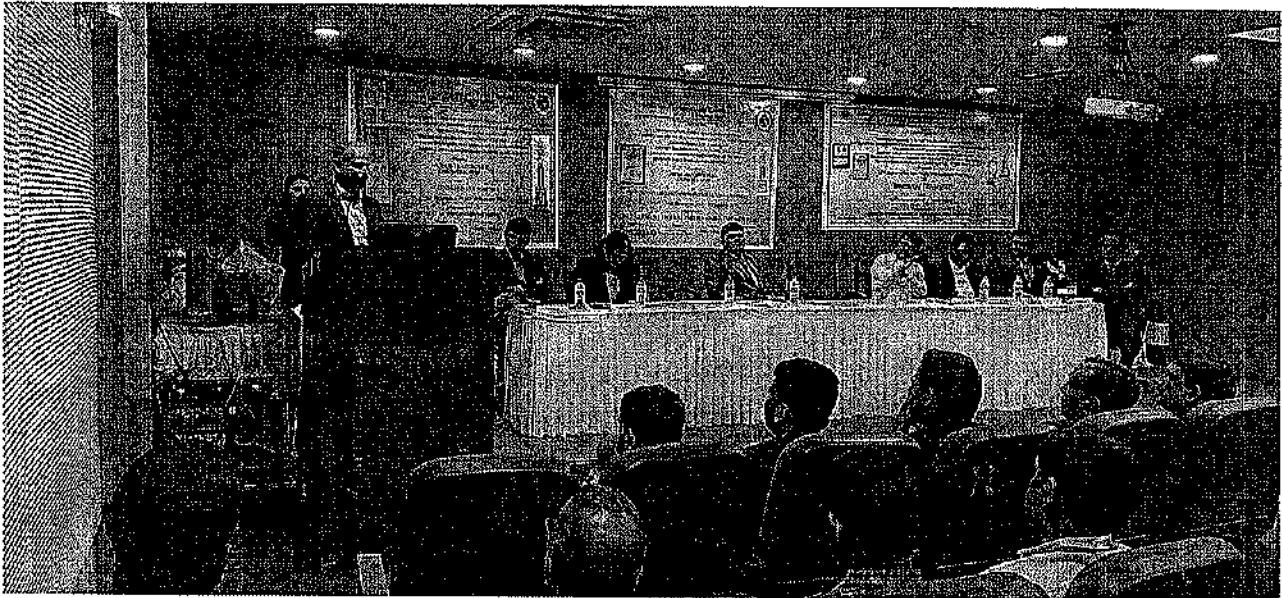
**Speaker: - Dr. Vivek Deshpande (HOD, Computer Engg. Dept, VIT, Pune)**

**Profile: -**

## **Topic Covered**

Session started by Dr. Vivek Deshpande, he enlightened the participants about Quality of Services in IOT with Data Science and its scope in Research & Development such as:

- Quality of service
- Internet of things concepts
- Wireless technology and 5G
- Case studies
- Research scope in IOT with data science
- Challenges
- Summing up





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**DAY 1 –30/01/2020 (Monday)**  
**Venue: - Auditorium (216)**

## Session 2

**Time: - 2:00 pm to 4:00 pm**

**Speaker: - Prof. Smruti Patil (Assistant Prof. in PVPPCOE, Mumbai).**

**Profile: - Prof. Smruti Patil, has completed her B.E & M.E from Nagpur University. She has 06 years of experience in teaching and 2 years of experience in industry. She has 04 Publication. She has completed certification in Data Analytics.**

## Topic Covered

Session further continued by Prof. Smruti Patil, she enlightened the participants with Advance techniques in R.

- Correlation and Linear Regression
- Clustering Techniques
  1. Segmentation
  2. Hierarchical Clustering
  3. K-Means Clustering
- Random Forests





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**DAY 2 – 31/12/2019 (Tuesday)**

**Venue: - Auditorium (216)**

## **Session 3**

**Time: - 11:30 am to 1:00 pm**

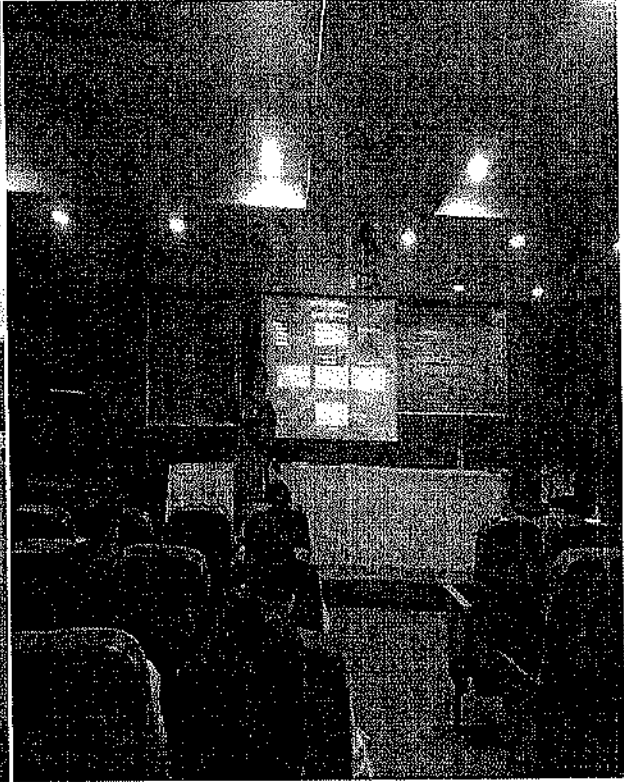
**Speaker: - Dr. Mrs.Gresha Bhatia (Deputy HOD, Computer Engg.Dept, VESIT, Mumbai)**

**Profile: - Dr. Mrs.Gresha Bhatia has completed her ph.D. (I.T.) from Mumbai University. Her areas of interest are Machine Learning, Data Mining and Information and Communication Technology (ICT). She has over 55 publications so far. Her teaching experience is about 23 years. She has received AI for Earth grant of US \$10,000 from Microsoft. Also she has received minor research grant of 30K from Mumbai University.**

## **Topic Covered**

Day started with Survival analysis by Dr. Mrs.Gresha Bhatia. She has covered the following topics:

- Introduction
- Applications
- System Approach
- Challenges





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**DAY 2 – 31/12/2019 (Tuesday)**

**Venue: - Auditorium (216)**

### **Session 4**

**Time: - 1:30 pm to 4:00 pm**

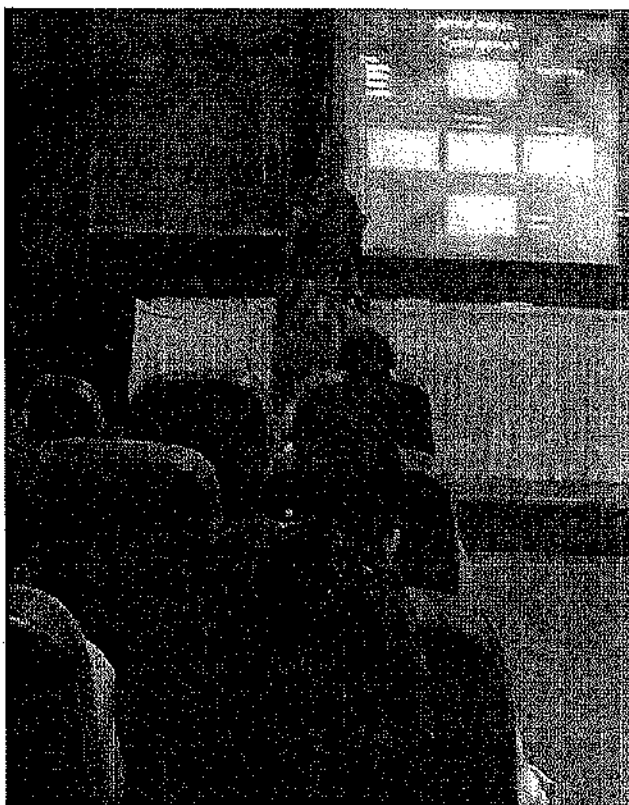
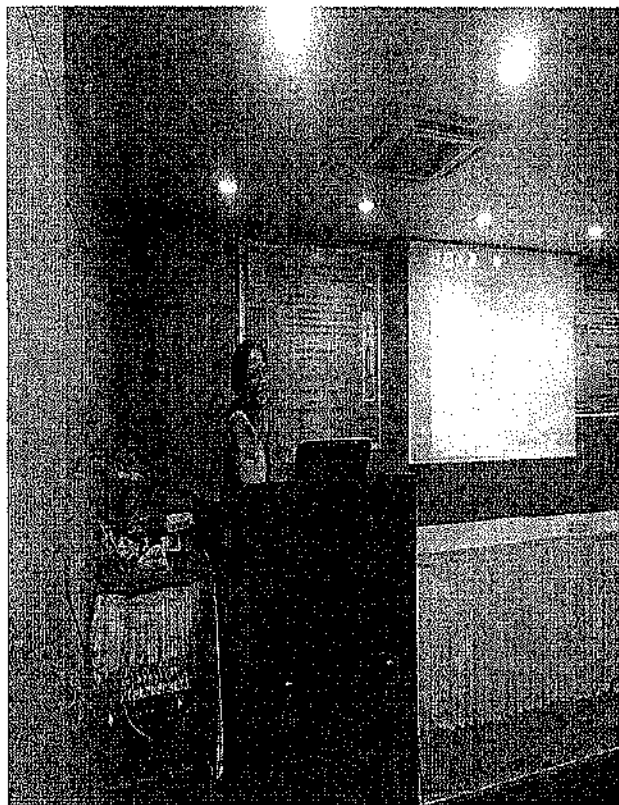
**Speaker: - Dr. Mrs.Gresha Bhatia (Deputy HOD, Computer Engg.Dept, VESIT, Mumbai)**

**Profile: - Dr. Mrs.Gresha Bhatia has completed her ph.D. (I.T.) from Mumbai University. Her areas of interest are Machine Learning, Data Mining and Information and Communication Technology (ICT). She has over 55 publications so far. Her teaching experience is about 23 years. She has received AI for Earth grant of US \$10,000 from Microsoft. Also she has received minor research grant of 30K from Mumbai University.**

### **Topic Covered**

Survival analysis continued by Dr. Mrs.Gresha Bhatia:

- Graphical Representation
- Methods
- Function Types
- Performance Evaluation
- Conclusion





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**DAY 3 – 01/01/2020 (Wednesday)**

**Venue: - Computer Center**

**Session 5**

**Time: - 10:00 am to 12:30 pm**

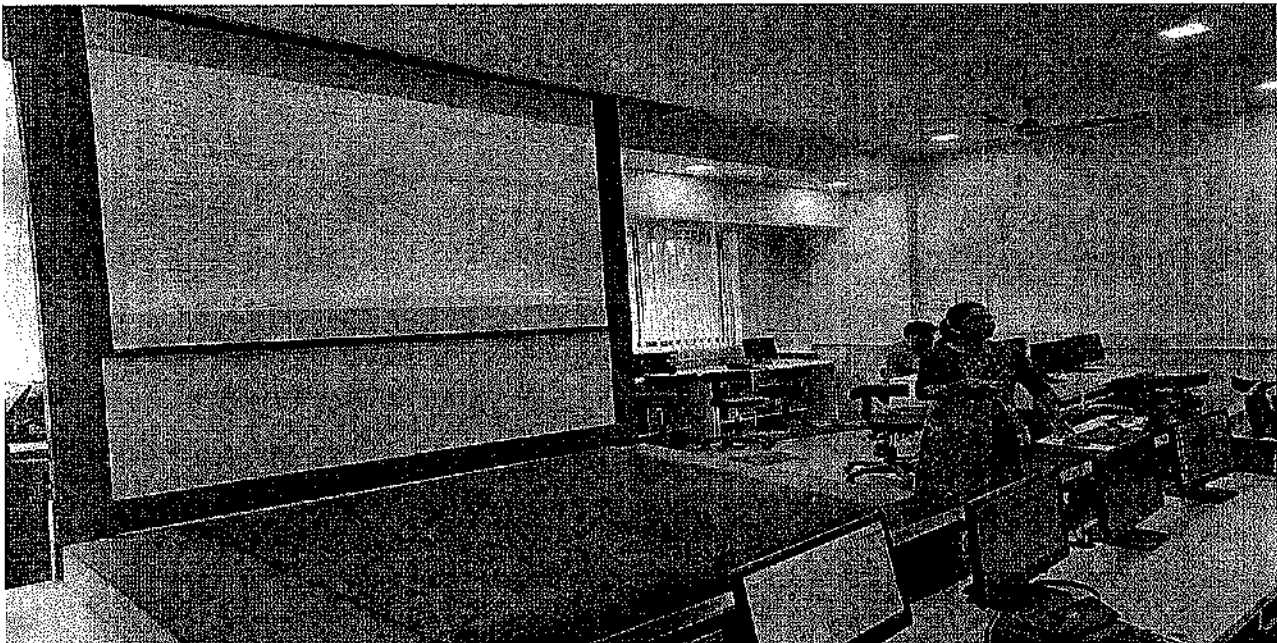
**Speaker: Dr.Deepali Vora (HOD IT,VIT,Mumbai)**

**Topic Covered**

Day started with Hands on session by Dr.Deepali Vora.

➤ Numerical Exploration using Numpy

) ➤ Data Exploration using Pandas





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**DAY 3 – 01/01/2020 (Wednesday)**

**Venue: - Computer Center**

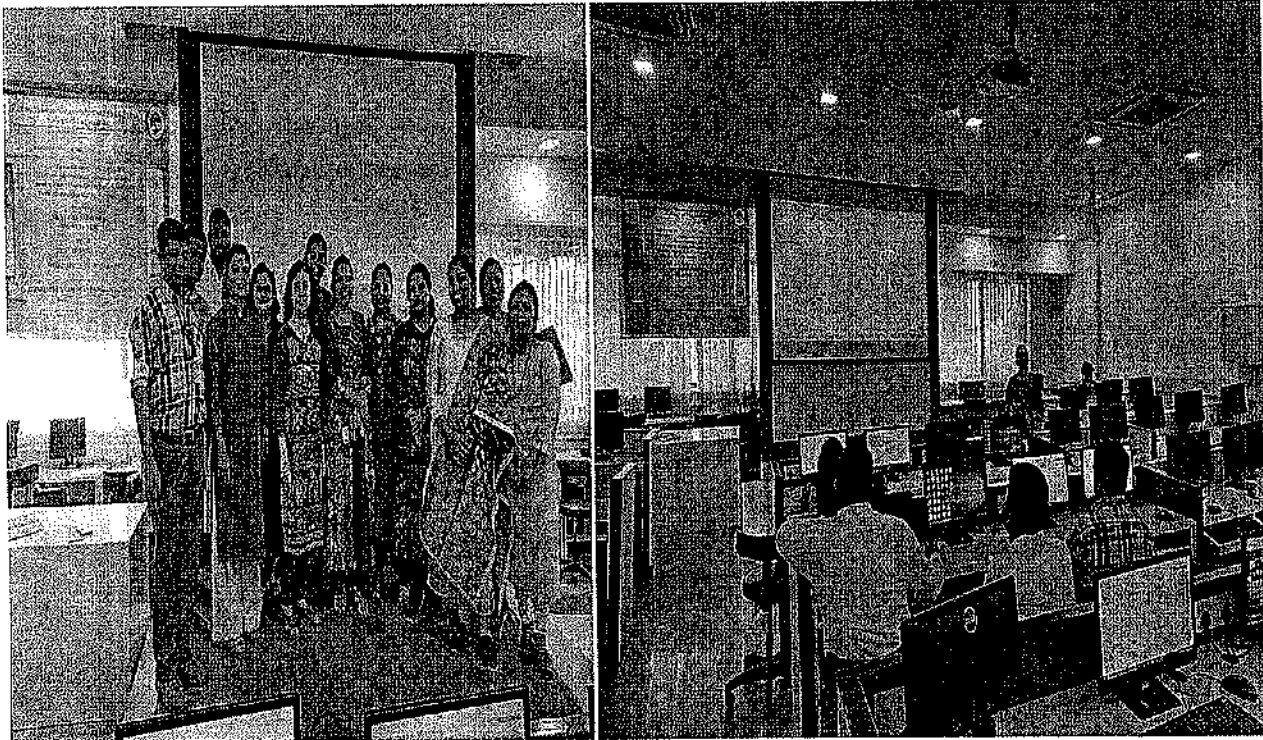
**Session 6**

**Time: - 1:30 pm to 4:00 pm**

**Speaker: Dr. Deepali Vora (HOD IT, VIT, Mumbai)**

### Topic Covered

- Data Visualization using Matplotlib.
- Data Visualization using Seaborn





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**DAY 4 – 02/01/2020 (Thursday)**

**Venue: - Auditorium (216) Session 7**

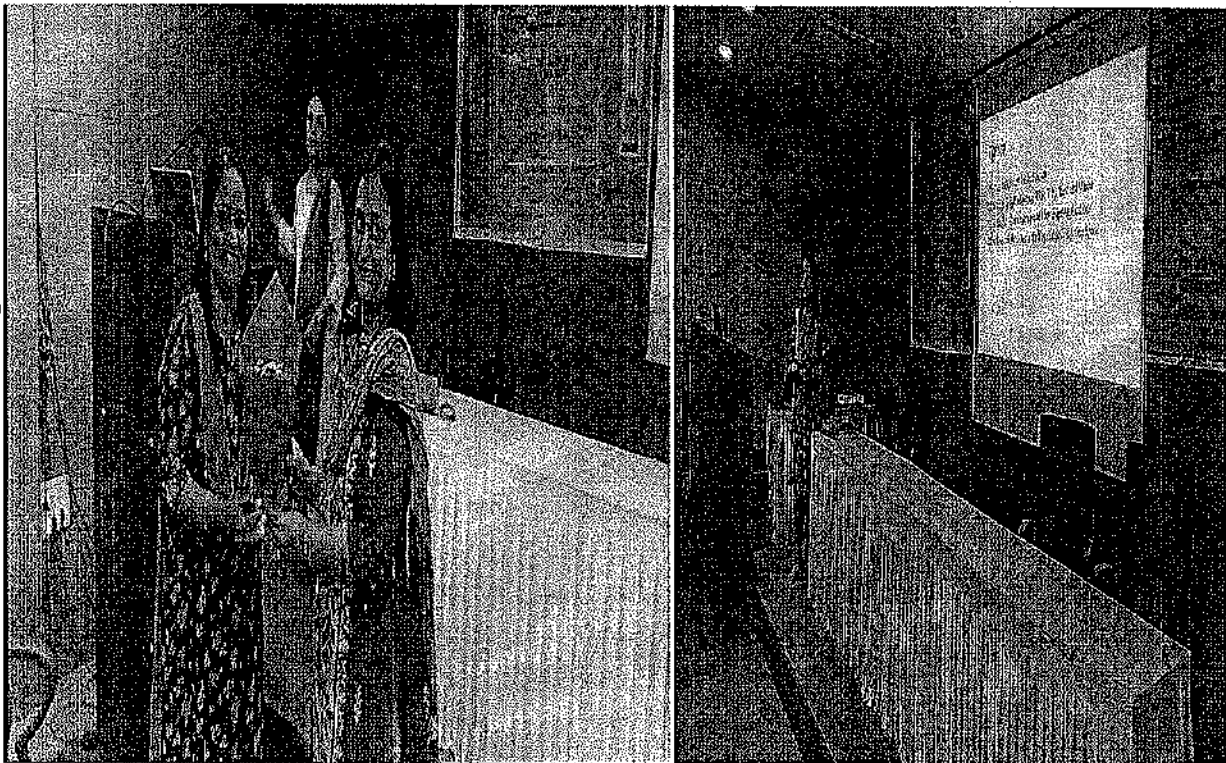
**Time: - 10:00 am to 12:30 pm**

**Speaker: - Prof. Archana Shirke (Assistant Prof. in Fr.C.Rodrigues Institute of Technology Vashi).**

**Profile: - Prof. Archana Shirke has received the M.Tech degree in Computer Engineering from VJTI and currently pursuing her Ph.D. in Computer engineering from VJTI, Mumbai. Her areas of interest include Data Mining, Big Data Analytics and IOT Analytics.**

### Topic Covered

- The Edge / Fog Computing: What, Why, How and Where
- The Practical Demonstration of a few Edge Applications
- The Research Activities in the Fog / Edge Computing Space







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**DAY 4 – 02/01/2020 (Thursday)**

**Venue: - Auditorium (216)**

**Session 8**

**Time: - 1:30 pm to 4:00 pm**

**Speaker: - Prof. Archana Shirke (Assistant Prof. in Fr.C.Rodrigues Institute of Technology Vashi).**

**Profile: - Prof. Archana Shirke has received the M.Tech degree in Computer Engineering from VJTI and currently pursuing her Ph.D. in Computer engineering from VJTI, Mumbai. Her areas of interest include Data Mining, Big Data Analytics and IOT Analytics.**

**Topic Covered**

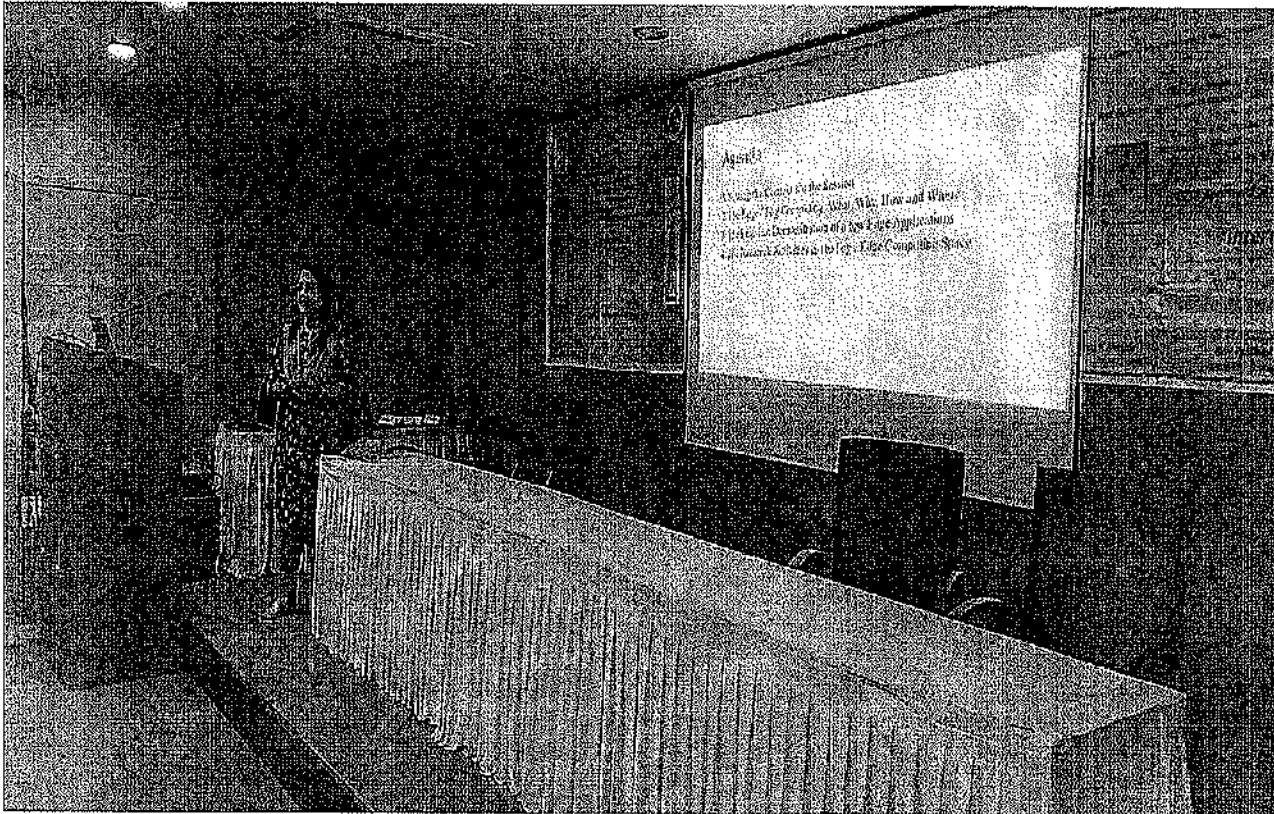
Session started with :

- The Practical Demonstration of a few Edge Applications
- Edge Analytics Demo



# Padmabhushan Vasantdada Patil Pratishthan's College of Engineering

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**DAY 5 – 03/01/2020 (Friday)**

**Venue: - Auditorium (216)**

**Session 8**

**Time: - 10:00 am to 12:30 pm**

**Speaker: - Prof. Sujata Khedkar (Associate Professor in VESIT, Mumbai).**

**Profile: - Prof. Sujata Khedkar, has completed his BE(EXTC),ME(EXTC), Pursuing PhD and area of interest in Signal Processing, Random Signal Analysis, Antenna.**

### **Topic Covered**

Session continued by Prof. Sujata Khedkar, She enlightened the participants with Apache Spark for IoT.

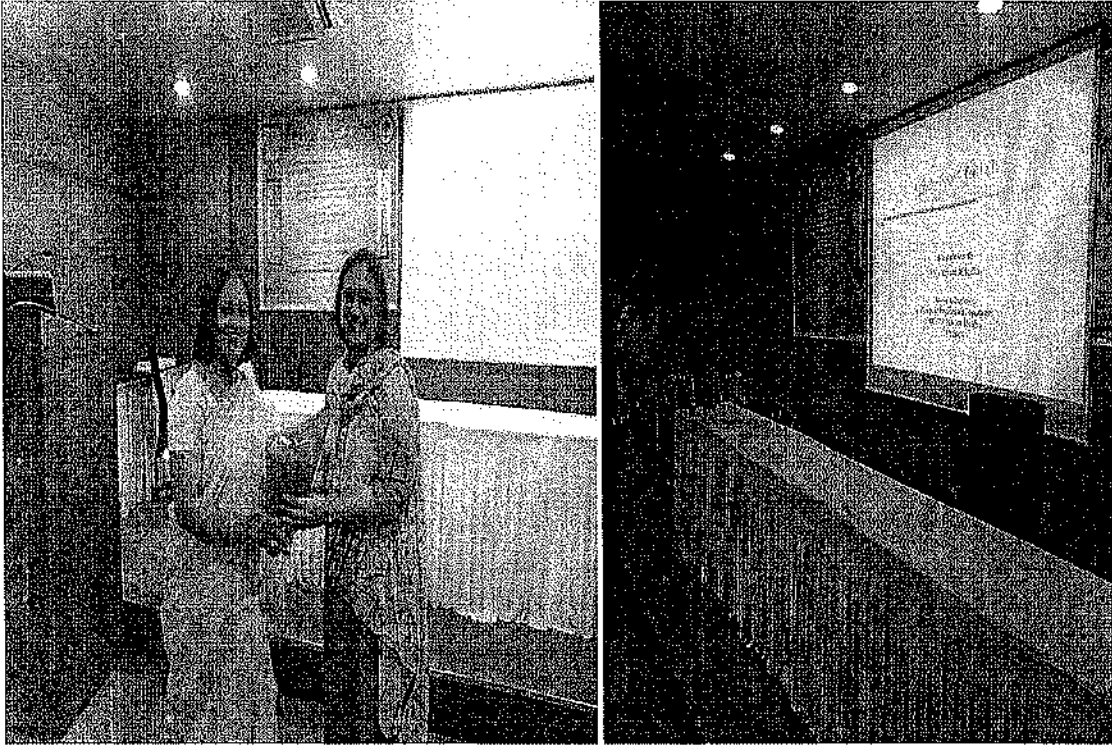
Following topics such as:

- IoT Market Perspective
- IoT solution Architecture and Role of Spark
- Spark as the IoT Compute Engine



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**DAY 5 – 03/01/2020 (Friday)**

**Venue: - Auditorium (216)**

**Session 10**

**Time: - 1:30 pm to 4:00 pm**

**Speaker: - Prof. Sujata Khedkar (Associate Professor in VESIT, Mumbai).**

**Profile: - Prof. Sujata Khedkar, has completed his BE(EXTC),ME(EXTC), Pursuing PhD and area of interest in Signal Processing, Random Signal Analysis, Antenna.**

### **Topic Covered**

Session further continued by Prof. Sujata Khedkar, with the following topics such as:

- Spark RDD
- SparkSQL



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**DAY 6 – 04/01/2020 (Saturday)**

**Venue: - Auditorium (215)**

**Session 11**

**Time: - 10:00 am to 1:00 pm**

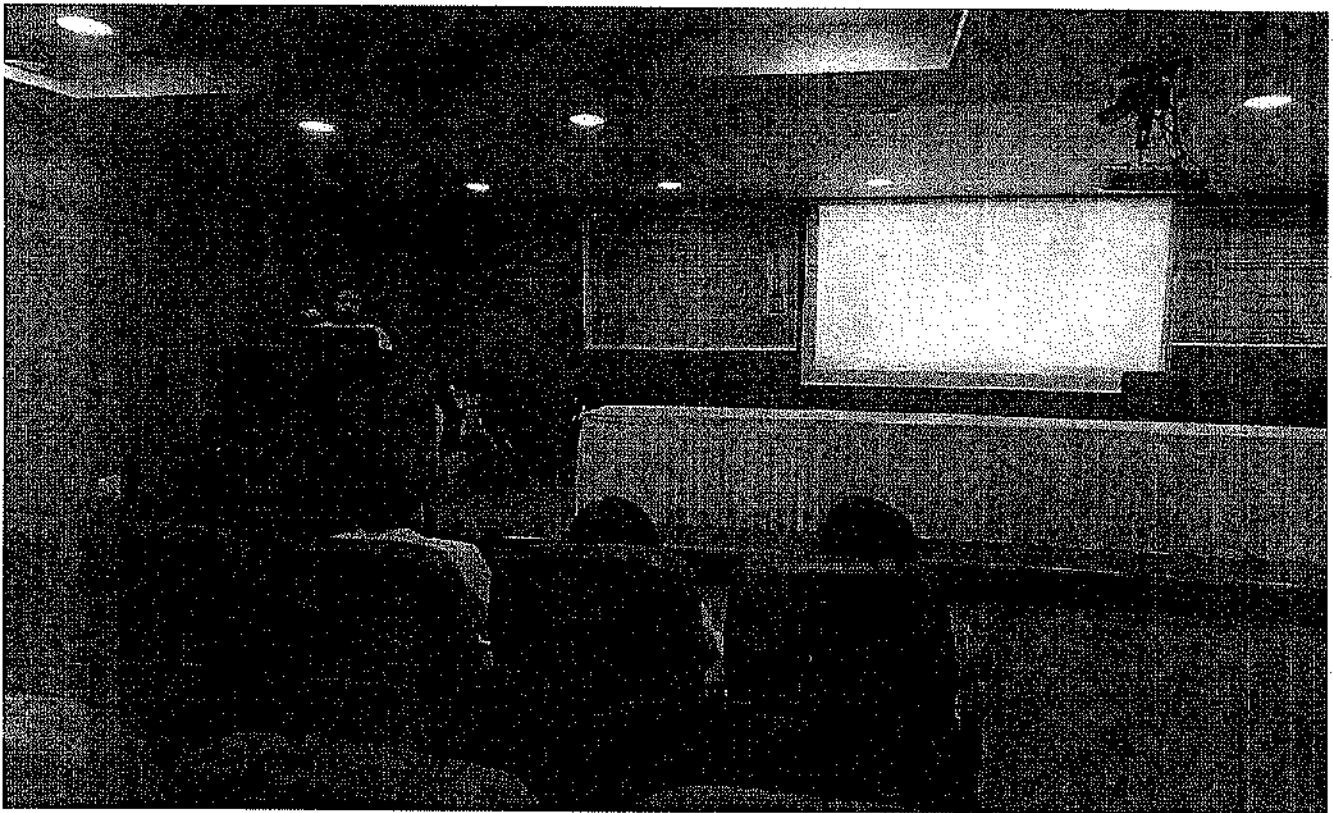
**Speaker: - Prof. Smruti Patil (Assistant Prof. in PVPPCOE, Mumbai).**

**Profile: - Prof. Smruti Patil, has completed her B.E & M.E from Nagpur University. She has 06 years of experience in teaching and 2 years of experience in industry. She has 04 Publication. She has completed certification in Data Analytics.**

**Topic Covered**

Session further continued by Prof. Smruti Patil, she enlightened the participants with SAS technology.

- SAS Fundamentals
- Data Preparation with SAS
- Data Summary with SAS
- Hypothesis Testing with SAS





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**DAY 6 – 04/01/2020 (Saturday)**

**Venue: - Auditorium (215)**

**Session 12**

**Time: - 02:00 pm to 03:00 pm**

**MCQ Test: Prof. Pravin Shinde (Assistant Prof. in PVPPCOE, Mumbai) has conducted MCQ Test based on sessions completed**

**DAY 6 – 04/01/2020 (Saturday)**

**Valedictory Function**

**Venue: - Auditorium (215)**

**Time: 3:30PM to 4:30PM**

The program ended with the valedictory function which was graced with the presence of Dr. Alam N. Shaikh (Campus Director & Principal, PVPPCOE), Prof. Vijay Salke (Vice-Principal, PVPPCOE), Mr. Shailesh Mokashi (Registrar, PVPPCOE) and all HODs.

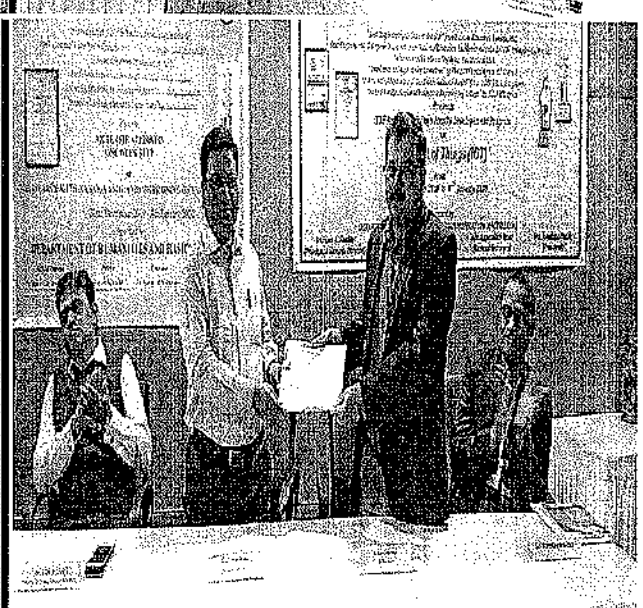
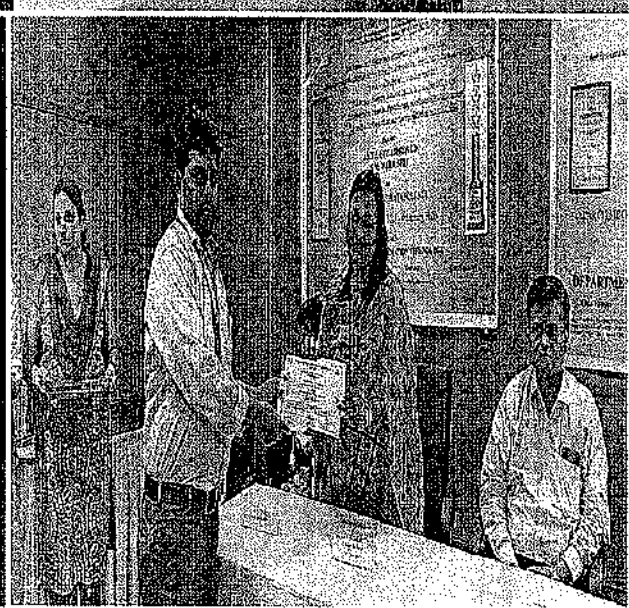
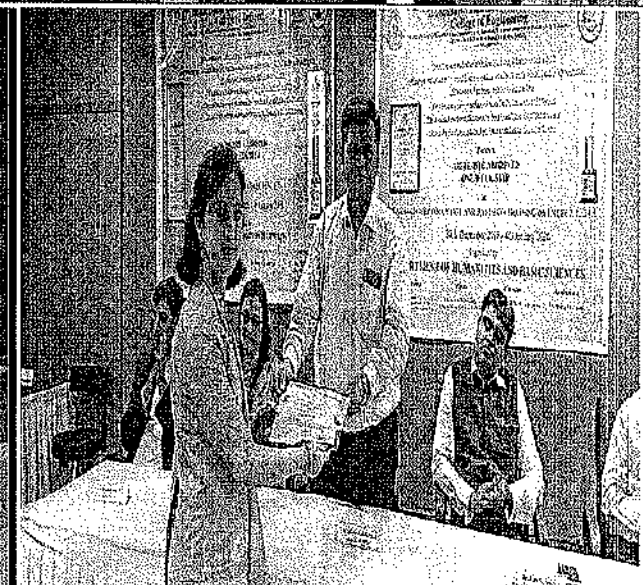
Dr. Alam N. Shaikh (Campus Director & Principal, PVPPCOE), in his valedictory talk, started with congratulating coordinators and organizing committee for the successful conduct of STTP-2019. He also explained the importance of “Zest of Data Science” to enhance research culture in this institute. He emphasized the need of such programs as they provide a unique opportunity to explore the boundaries of what is currently known in various domains of Engineering and Technology, through a range of research experiences. He also mentioned that such programs provide a common platform to discuss and learn new methodology to upgrade ourselves.

Valedictory function was further conducted with the distribution of certificates to the participant's. The function ended with a Vote of Thanks presented by Prof. Smruti Patil (Coordinator, STTP). The Valedictory function concluded with singing of the National Anthem.



# Padmabhushan Vasantdada Patil Pratishthan's College of Engineering

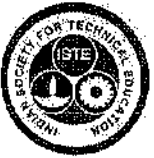
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6<sup>th</sup> January 2020

**A Brief Report on**

**ISTE Approved One Week Short Term Training Program (STTP)**

on

**“Integrating Research Methodology Tools, Computer Vision and  
Natural Language Processing”**

Duration: 23<sup>rd</sup> December to 28<sup>th</sup> December 2020

Participants: Faculty from PVPP's College of Engineering and other engineering colleges.

➤ **STTP Objectives**

- Objective of the STTP is to introduce the application of research methodology concepts and methods to handle real world problem effectively.
- The main focus of the STTP is to impart knowledge of Computer Vision and Natural Language Processing along with Research Methodology.

➤ **Expected STTP Outcome**

Participants will be able to:

- Learn concepts, methods and techniques in research methodology and helps teachers and participants to keep pace with the changing scenario.
- Through this training program, participants will be introduced to era of computer vision and Natural Language Processing.

➤ **Chief Patrons**

1. Smt. Ashalata Manohar Phalke, (President, PVPPCOE)
2. Sr. Adv. Shri. Appasaheb Desai, (General Secretary, PVPPCOE)
3. Shri. P. G. Desai, (Executive Trustee, PVPPCOE)

➤ **Patron**

- Dr. Alam N. Shaikh (Principal, PVPPCOE and Campus Director PVPP)



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➤ **Chief Guest**

- Dr. Ravi Prakash, Head, Training and Placement Office, K.C. College of Engineering and Management Studies and Research, Thane.

➤ **Speakers**

1. Dr. Nazneen Ansari, Associate Professor, St. Francis Institute of Technology, Borivali, Mumbai.
2. Vikash Kumar, Group Chief Marketing Officer, and Speaker, Blockchain, Mumbai.
3. Garima Yadav, Data Scientist, Blocklogy Edutech, Mumbai.
4. Yogiraj Rao, Blockchain Full Stack Developer, AWS Solution Architect, Mumbai.
5. Dr. Pramod Bhavarthe, Dean R & D, Professor and Head of EXTC, Padmabhushan Vasantdada Patil Pratishthan's College of Engineering, Mumbai.
6. Mr. Sachin R. Barahate, Associate Professor, Padmabhushan Vasantdada Patil Pratishthan's College of Engineering, Mumbai.

➤ **Convener**

- Dr. Mahavir A. Devmane (HOD, Computer)

➤ **Coordinators**

1. Prof. Sachin Ramesh Barahate
2. Prof. Sumit Shinde
3. Prof. Vinod N. Alone

*ADDMOVL*  
Bt

➤ **Conduct**

Total No. of Participants: 39



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**DAY 1 – 23/12/2019 (Monday)**

**Venue: - Auditorium (216)**

**Inauguration of STTP**

**Session 1**

**Time: 10:00 AM to 11:00 PM**

One Week AICTE and ISTE Approved Short Term Training Program was organized from 23<sup>rd</sup> December to 28<sup>th</sup> December 2019 on “**Integrating Research Methodology Tools, Computer Vision and Natural Language Processing**”. The training program was arranged to learn the concepts, methods and techniques in research methodology and helps teachers and participants to keep pace with the changing scenario. Through this training program, participants will be introduced to era of computer vision and Natural Language Processing.

The programme started with lighting of lamp by the chief guest, **Dr. Ravi Prakash**, Head, Training and Placement Office, K.C. College of Engineering and Management Studies and Research, Thane, Dr. Mahavir Devmane (Convener of STTP), Dr. Pramod Bhavarthe (HOD EXTC), Mrs. Nilima Zade (HOD ELEX) and Dr. Seema Ladhe (HOD IT) followed by the singing of the Saraswati Vandana.

Dr. Mahavir Devmane felicitated Dr. Ravi Prakash by offering a bouquet of flowers.

A heart-warming welcome remark was delivered by Prof. Asharani Shinde (Organizing Committee member of STTP) and addressed the importance of the STTP.

The session further continued with the address of Dr. Mahavir Devmane (Convener of STTP) enlightened the importance and contents of the training program. He briefed about the contents and schedule of STTP.

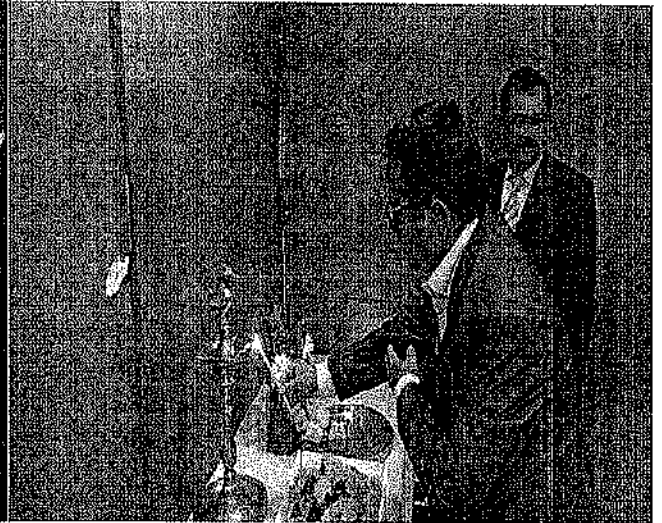
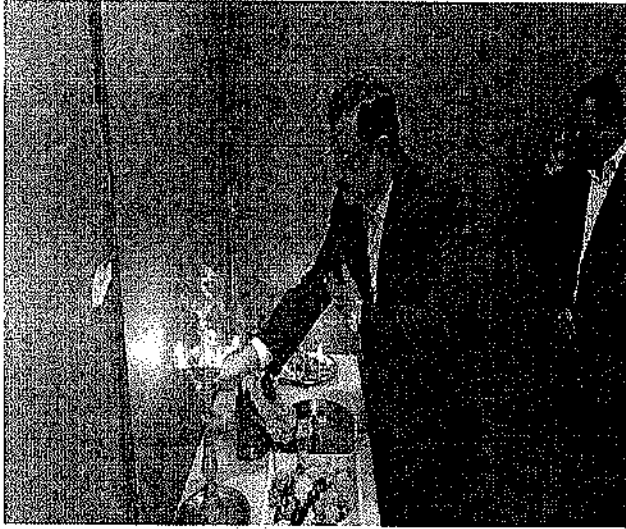
The session further continued with the address of Dr. Ravi Prakash, who enlightened the participants about the importance of such training programs. He even mentioned that the primary objective of this endeavor is to know what a research is and what the characteristics of good research are.

The function ended with the vote of Thanks proposed by Mr. Sachin Ramesh Barahate.



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**DAY 1 – 23/12/2019 (Monday)**

**Venue: - Auditorium (216)**

**Key note Address**

**Session 2**

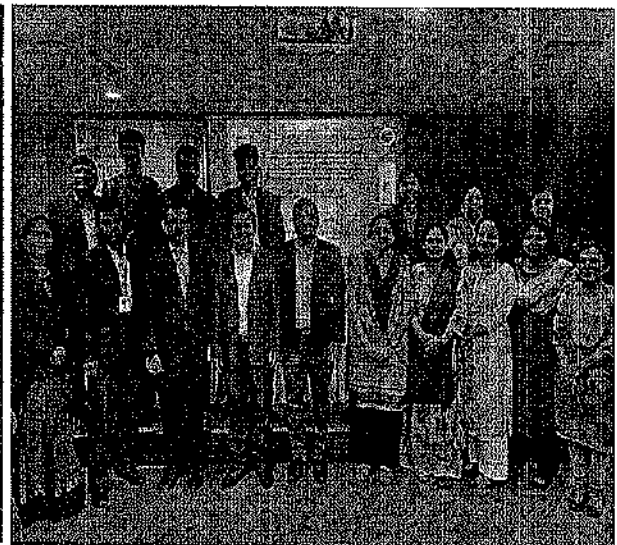
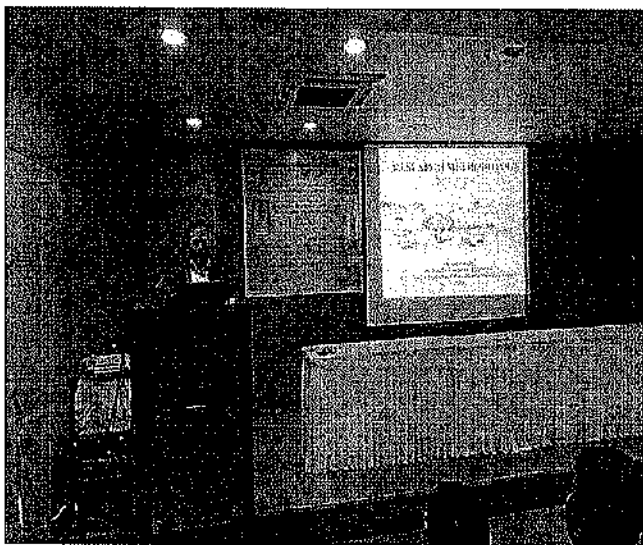
**Topic:** Integrating Research Methodology Tools, Computer Vision and Natural Language Processing

**Time:** 11:15 am to 1:15 pm

**Speaker:** Dr. Ravi Prakash

**Topics Covered**

- What is research?
- Objectives of Research
- Need for Research
- Characteristics of research
- Criteria of a good research
- Qualities of a good research
- Scope of research
- Problems in research
- Role of research in decision-making
- Types of research
- Research Process
- How to define a research problem
- Definition/Formulation of research problem
- Defining Problem, Results in Clear cut research objectives
- Purpose of review and how to conduct it
- Formulation of hypothesis
- Types of hypothesis





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**DAY 1 – 23/12/2019 (Monday)**

**Venue: - Auditorium (216)**

**Session 3**

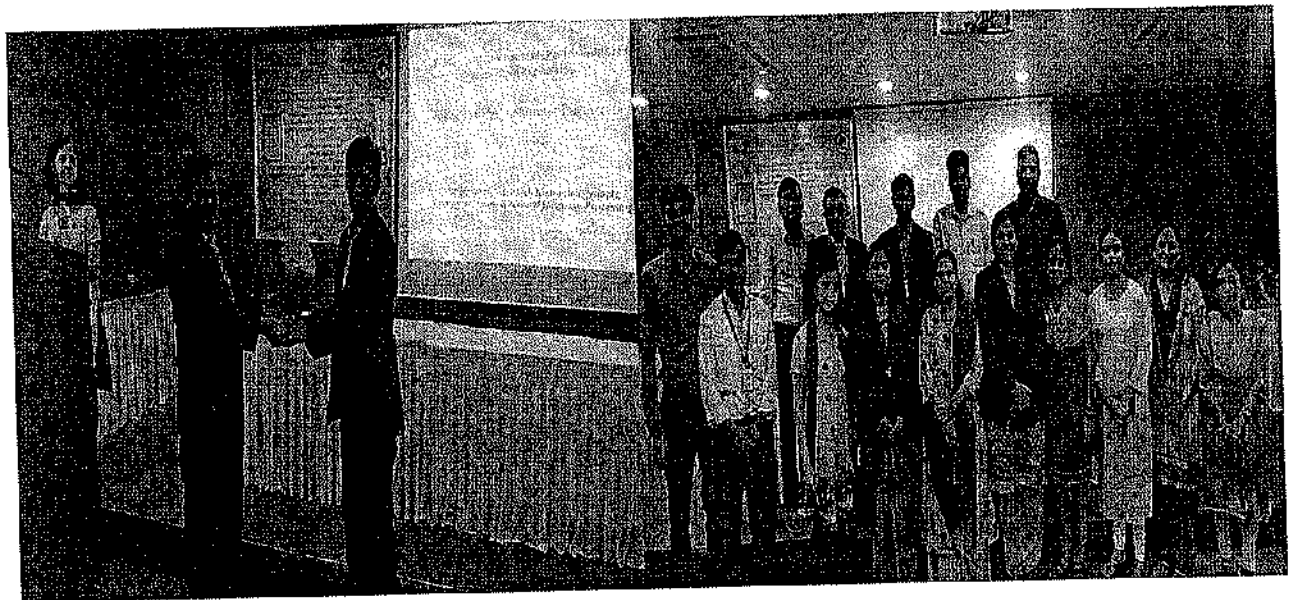
**Topic:** How to read and write a good research paper in IEEE transactions, letters, conferences

**Time:** 2:15 am to 4:30 pm

**Speaker:** Dr. Pramod Bhavarthe

**Topics Covered**

- Begin by reading the introduction of paper and not the abstract.
- Identify what is this paper about?
- Summarize the background of the paper
- Identify the approach
- Read the proposed methods
- Determine whether the results answer the specific question
- Last read the abstract
- How to write a research paper
- Readability a must characteristic
- Discuss related work and Tell them your shortcomings
- Case study on research





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**DAY 2 – 24/12/2019 (Tuesday)  
Venue: - Computer Center (004)**

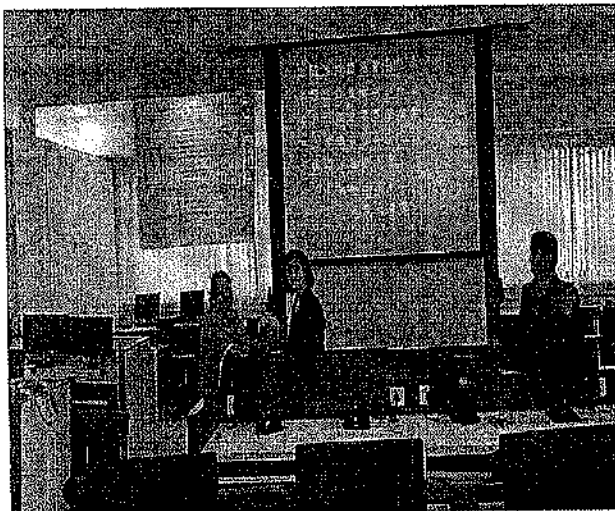
**Session 4 and 5**

**Topic:** Introduction and Future Research Directions in Natural Language Processing

**Speaker:** Dr. Nazneen Ansari, Associate Professor, St. Francis Institute of Technology, Borivali, Mumbai.

**Topics Covered**

- Natural Language Processing Basics
- Why to use Natural Language Processing
- Case study on Sentiment/ Opinion analysis
- Case study on question answering and summarization
- Working of Natural Language Processing
- Steps in Natural Language Processing
- Natural Language Processing Tasks
- Natural Language Processing Online Demos
- Demo Text to SQL application
- Natural Language Processing use cases
- Research trends in Natural Language Processing
- Research Topics and ideas in Natural Language Processing
- NLP tools and technologies
- Challenges of Natural Language Processing
- Trends in Natural Language Processing





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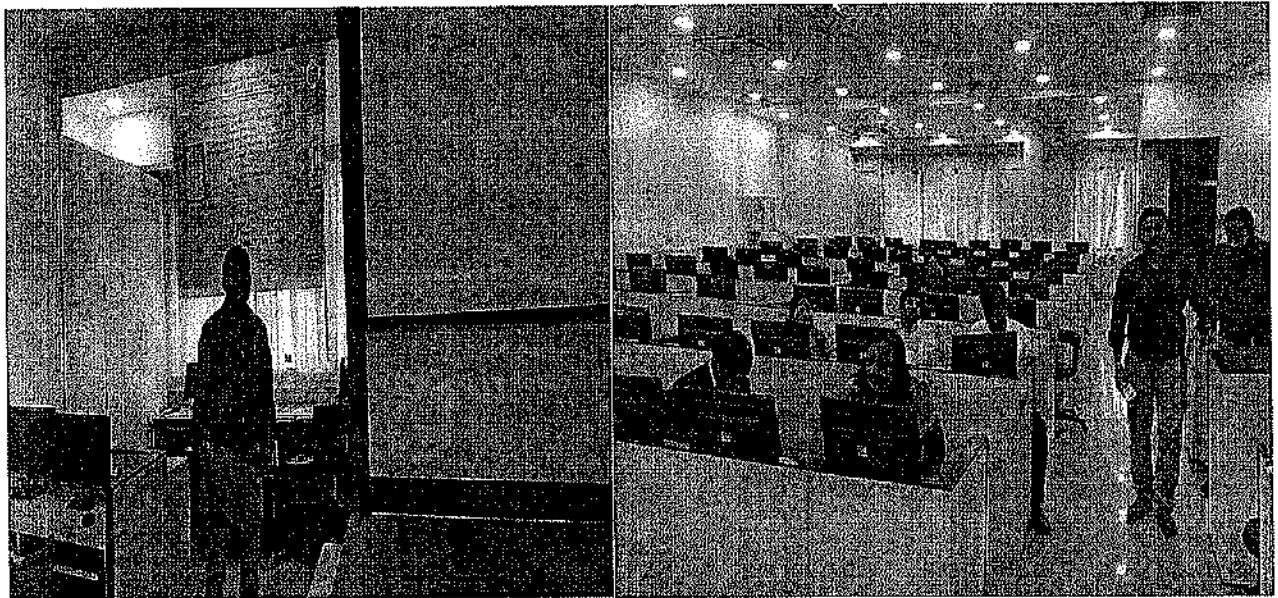
## Session 6

**Topic:** Data Analytics using Excel

**Speaker:** Prof. Sachin R. Barahate, Associate Professor, PVPP's College of Engineering, Sion, Mumbai.

### Topics Covered

- Hands on data analytics using Excel: Math functions
- Hands on data analytics using Excel: Text functions
- Hands on data analytics using Excel: Statistical functions
- Hands on data analytics using Excel: Date and Time functions
- Hands on data analytics using Excel: Data Validation







**DAY 3 – 25/12/2019 (Wednesday)**

**Venue: - Computer Center (004)**

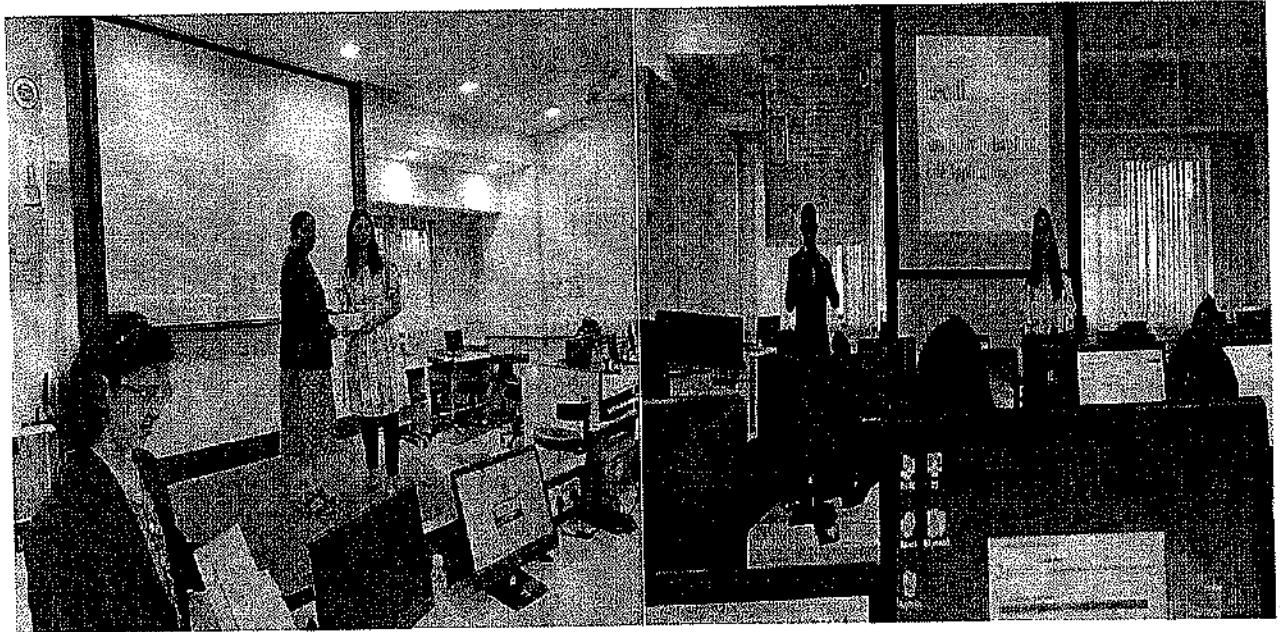
**Session 7 and 8**

**Topic:** Introduction to Natural Language Processing

**Speaker:** Garima Yadav, Data Scientist, Blocklogy Edutech, Mumbai.

She started the day with following Contents with their demonstrations:

- Introduction to Natural Language Processing
- Components of NLP
- Phases in Natural Language Processing
- Simple language processing with the Natural Language Toolkit (NLTK)
- Basics of Text Processing
- Part of speech tagging





**DAY 4 – 26/12/2019 (Thursday)**

**Venue: - Computer Center (004)**

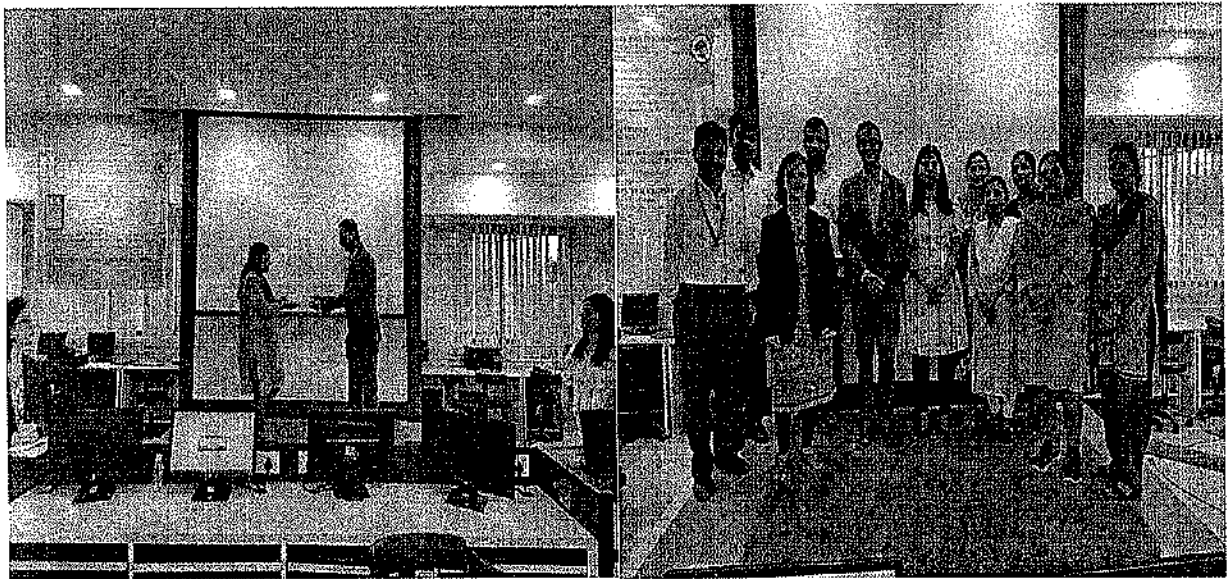
**Session 9 and 10**

**Topic:** Natural Language Processing trends and applications

**Speaker:** Vikash Kumar, Group Chief Marketing Officer, and Speaker, Blockchain, Mumbai.

He started the day with following Contents with their demonstrations:

- Applications of NLP
- Understand and explain research papers in natural language processing
- Part of speech tagging
- Stemming and Lemmatization





**DAY 5 – 27/12/2019 (Friday)  
Venue: - Computer Center (004)**

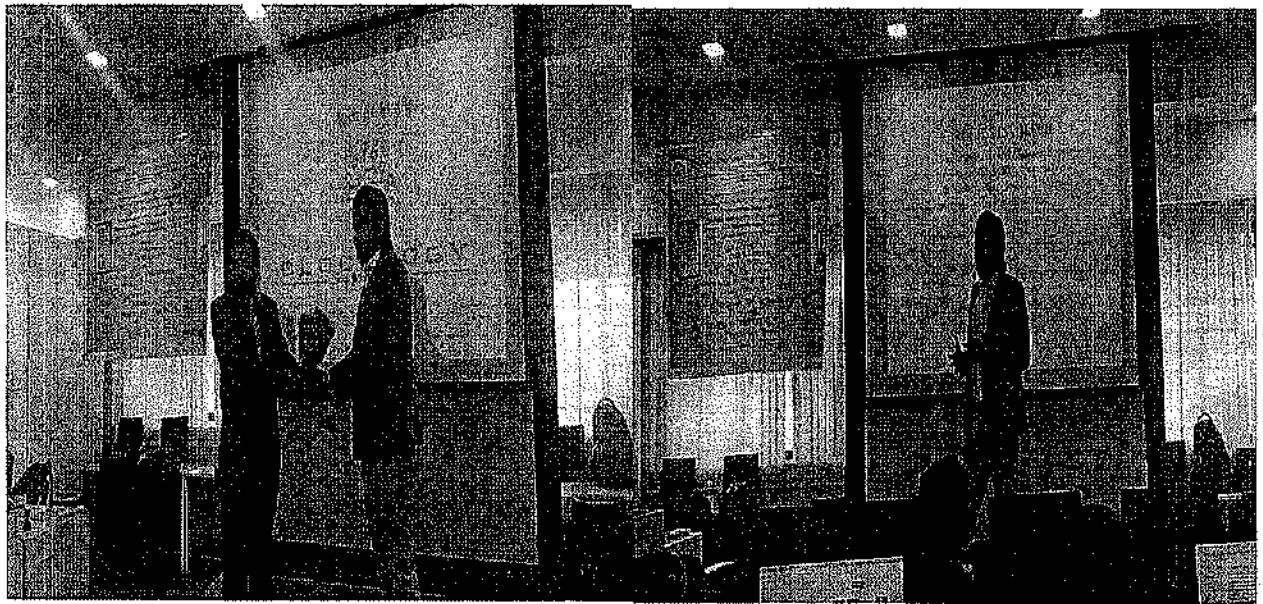
**Session 11 and 12**

**Topic:** Introduction to Machine Vision

**Speaker:** Yogiraj Rao, Blockchain Full Stack Developer, AWS Solution Architect, Mumbai.

He started the day with following Contents with their demonstrations:

- Project demo using Python programming
- Imaging based automatic inspection and sorting
- Imaging based robot guidance
- Industrial robot / process guidance methods
- Image processing using Neural Net





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**DAY 6 – 28/12/2019 (Saturday)**

**Venue: - Computer Center (004)**

**Session 13**

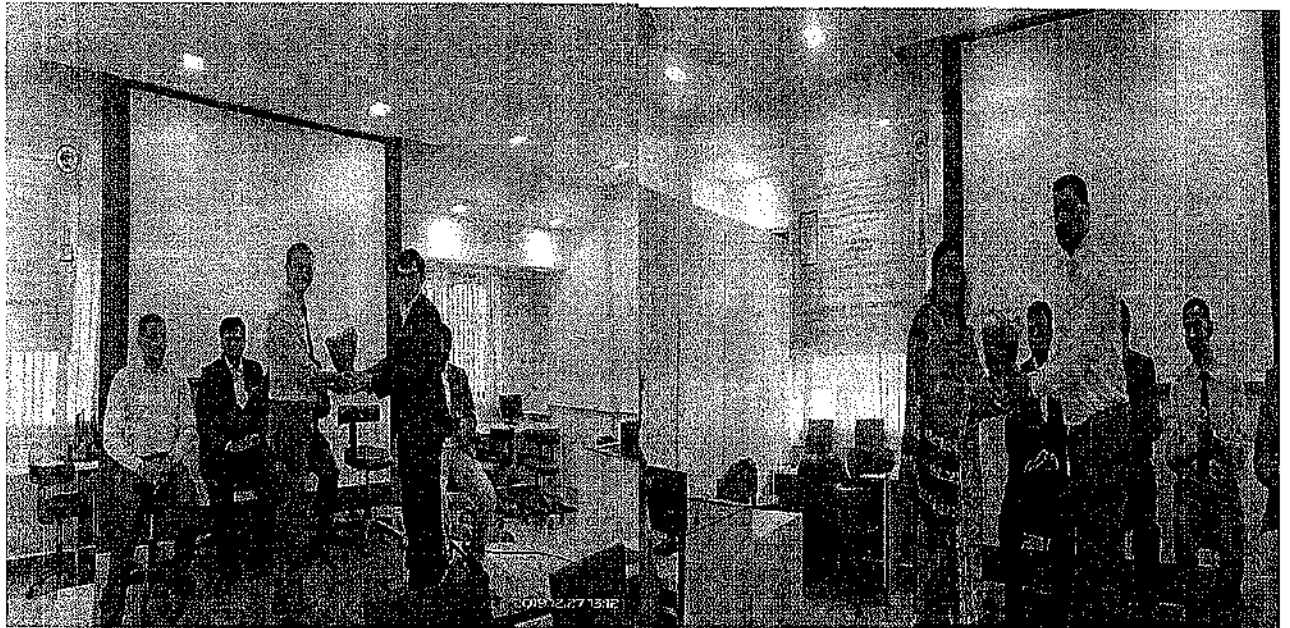
**Topic:** Introduction to Machine Vision

**Speaker:** Sanket Parab, Sr. Digital Marketing Executive at Blocklogy at eraswap, Mumbai.

Vikash Kumar, Group Chief Marketing Officer, and Speaker, Blockchain, Mumbai.

The following contents were demonstrated:

- Image processing using Deep Learning / Machine Learning Processing
- Equipment
- Imaging
- Outputs





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**Valedictory function  
Venue: - Computer Center (004)**

The program ended with the valedictory function which was graced by the presence of Yogiraj Rao, Blockchain Full Stack Developer, AWS Solution Architect, Mumbai, Vikash Kumar, Group Chief Marketing Officer, and Speaker, Blockchain, Mumbai, Sanket Parab, Sr. Digital Marketing Executive at Blocklogy at eraswap, Mumbai, Mr. Shailesh Mokashi (Registrar, PVPPCOE), Dr. Mahavir Devmane (Convener and HOD, Computer Engg. PVPPCOE), Dr. Seema Ladhe (HOD IT), Dr. Pramod Bhavarthe (Dean R & D, HOD EXTC).

A heart-warming welcome remark was delivered by Prof. Manjiri Pathak (Organizing Committee member of STTP).

Dr. Mahavir Devmane (Convener of STTP), in his valedictory talk, congratulated coordinators and organizing committee for the successful conduction of STTP-2019. He emphasized the need of such programs as they provide a unique opportunity to explore the boundaries of what is currently known in domains of Natural language processing and Machine learning. He also mentioned that such programs provide a common platform to discuss and learn new methodology to upgrade ourselves.

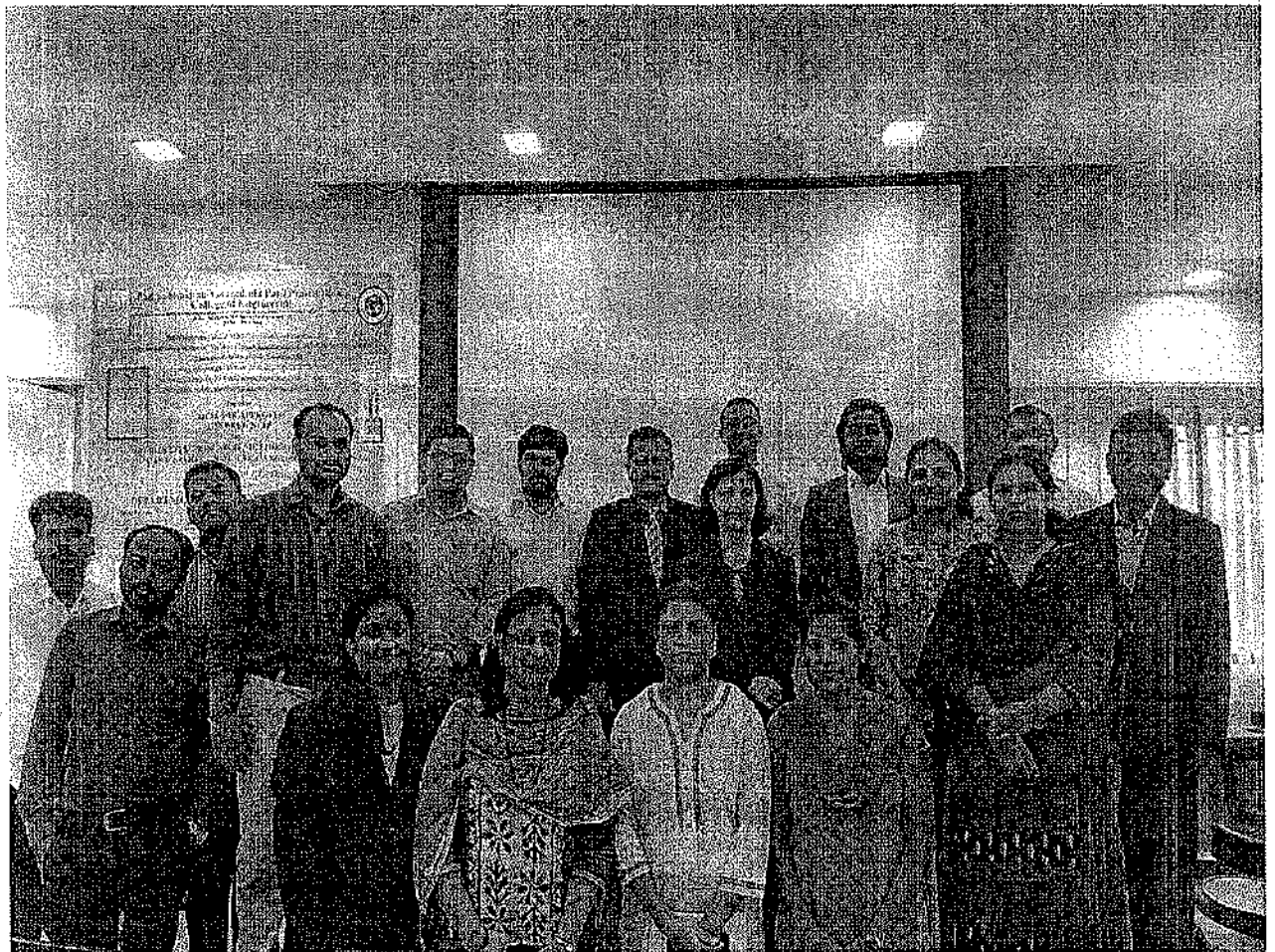
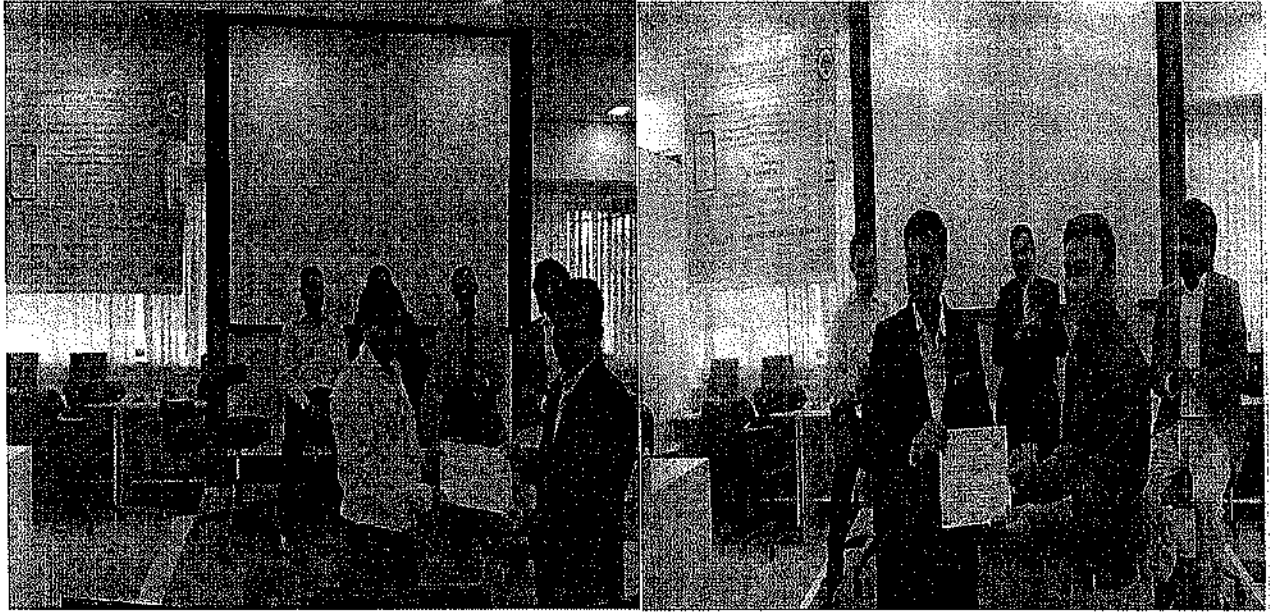
Valedictory function was further proceeded with the distribution of certificates to the participants. The function ended with a vote of Thanks presented by Prof. Asharani Shinde.

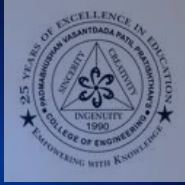




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# Padmabhushan Vasantdada Patil

## Pratishthan's

### College of Engineering Sion, Mumbai-22, INDIA

#### Presents

# 5th International Conference on Innovation and Research in Technology and Engineering



#### In Association with



- PVPPCOE is Ranked 2 among the Mumbai colleges in the “Top 100 Engineering Colleges in India” by The Higher Education Review
- Also Ranked 9 in the “Top 20 Engineering Colleges in India with Excellent Industry Exposure”
- The only College in Maharashtra to be honored by hat-trick of awards
- “Best Engineering College of the Year” in 2017 from Estarde Education Awards, SINGAPORE.
- “Best Engineering College in Mumbai” in 2017 from National Education Excellence Awards by Praxis Media Pvt. Ltd.
- “Educational Excellence Award” in 2017 by Indus Foundation, USA.
- “Outstanding Educational Excellence National Award” in 2018 from IISER, Bangalore.
- General Secretary Sr. Adv. Appasaheb S. Desai awarded as “Eminent Educationist” by Indo-global Education & Skills Summit & Expo 2017.
- Principal Dr. Alam N. Shaikh awarded as “Young Achiever of the Year” from National Education Excellence Awards, 2017 hosted by Praxis Media Pvt. Ltd.

## About of PVPPCOE

PVPPCOE is an Engineering College in Mumbai, India established in 1990, the foundation for which was laid under the able leadership of 5th Deputy Prime Minister of India & first Chief Minister of Maharashtra Yashwantrao Chavan, is affiliated to University of Mumbai.

The college is approved by the Government of Maharashtra, Directorate of Technical education (DTE) and All India Council for Technical Education (AICTE).

The college conducts Degree courses leading to B.E. Degrees in the disciplines of Engineering Courses in Electronics, Computer, Electronics & Telecommunication and Information Technology which are accredited by the National Board of Accreditation (NBA).

Our college also has various students associations namely Computer Engineering Student Association (CESA), Electronics Engineering Student Association (EESA), Electronics Telecommunication Engineering Student Association (ETSA), Information Technology Student Association (ITSA) & First Year Engineering Student Association (FESA).

There are various professional bodies like Institute of Electrical and Electronics Engineers, USA (IEEE), Institute of Electronics and Telecommunication Engineers (IETE), Indian Society for Technical Education (ISTE), IE (I) i.e. Institute of Engineers (India), Computer Society of India (CSI) to organize the Techno Culture events.



Website: [www.pvppcoe.ac.in](http://www.pvppcoe.ac.in)



## Pride of PVPPCOE

PVPPCOE is one of few Eminent Colleges in Mumbai having honoured by "The Higher Education Review" magazine with

- 2nd RANK among the Mumbai colleges in the "Top 100 Private Engineering colleges in India"
- 9th RANK in the "Top 20 Engineering Colleges in India with Excellent Industry Exposure"

The esteemed college and eminent members are garnered with pride of awards:

- Awarded as "Best Engineering College of the Year" from ESTRAD Education Awards, Singapore on 25th March, 2017.
- Hon. General Secretary Sr. Adv. Appasaheb S. Desai bestowed with "Life Time Achievement Award" from ESTRAD Education Awards, Singapore on 25th March, 2017.
- Awarded as "Best Engineering College in Mumbai" from National Education Excellence Awards hosted by Praxis Media Pvt. Ltd on 23rd April, 2017.
- Principal Dr. Alam N. Shaikh awarded as "Young Achiever of the Year" from National Education Excellence Awards hosted by Praxis Media Pvt. Ltd on 23rd April, 2017.
- Awarded as "Educational Excellence" at INDO-GLOBAL EDUCATION & SKILLS SUMMIT & EXPO hosted by Indus Foundation, USA on 17th July, 2017.
- General Secretary Sr. Adv. Appasaheb S. Desai awarded as "Eminent Educationist" at INDO-GLOBAL EDUCATION & SKILLS SUMMIT & EXPO hosted by Indus Foundation, USA on 17th July, 2017.
- Principal Dr. Alam N. Shaikh awarded as "Education Leadership" at INDO-GLOBAL EDUCATION & SKILLS SUMMIT & EXPO hosted by Indus Foundation, USA on 17th July, 2017.



## About the Conference

The ICIRTE 2018 conference provides global environment for the exchange of innovations and sustainable technologies related to the field of Electronics, Communications, Computer, Information Technology, Humanities Science, Mathematics and Management. It provides a platform to the students, faculties and researchers to present their ideas and novel concepts. It will help to create a forum for leaders in the field of technology, policy and industry to showcase new ideas and develop solutions for the remarkable challenges present in today's advanced technology. Conference is held in association with technical bodies IEEE, Springer, IETE, ISTE, CSI.

The International Conference " Innovations and Research in Engineering and Technology " aims following objectives -

Technology has grown to a wide dimension. Today everything is driven by the advancement in technology. The ICIRTE 2018 conference provides global environment for the exchange of innovations and sustainable technologies related to the field of Electronics , Communications , Computer and Information Technology.

It provides a platform to the student and researchers to present their ideas and novel concepts.

It will help to create a forum for leaders in the field of technology , policy and industry to deliberate on new ideas and develop solutions for the remarkable challenges present in today's advanced technology.



**Devendra Fadnavis**

Chief Minister  
Maharashtra



Mantralaya  
Mumbai-400 032

12<sup>th</sup> December 2018

## MESSAGE

It gives me immense pleasure that Vasantdada Patil Pratishthan's College of Engineering organising 5<sup>th</sup> International Conference for the exchange of innovations and sustainable technologies related to the field of electronics, Communications, IT and Humanities Science etc.

It is praiseworthy that since the inception, with the relentless efforts, the college is striving hard to make available world class infrastructure, latest development and aids and ideal ambience with a view to nurturing high skilled professionals.

I hope that the initiative ICIRTE 2018 will help the students to inculcate the qualities of communication, expression, research and understanding various problems prevailing in the society which will help them in future to serve as good professionals. I extend my best wishes to the magazine and wish the students a successful future.

**(Devendra Fadnavis)**

Tel. : 022-2202 5151/2202 5222, Fax : 022-2202 9214

E-mail : [cm@maharashtra.gov.in](mailto:cm@maharashtra.gov.in), Website : [www.maharashtra.gov.in](http://www.maharashtra.gov.in)



**Vinod Tawde**  
**Minister**  
**School Education, Sports and**  
**Youth Welfare, Higher and**  
**Technical Education, Marathi Bhasha,**  
**Cultural Affairs, Minorities Development and**  
**Wakf**



GOVERNMENT OF MAHARASHTRA  
Mantralaya, Mumbai 400 032  
[www.maharashtra.gov.in](http://www.maharashtra.gov.in)

Date : 04.11.2018

**MESSAGE**

I am happy to know about the International Conference on 'Innovations and Research in Technology and Engineering (ICIRTE - 2018), organised by Padmabhushan Vasantdada Patil Pratishthan's College of Engineering, Sion.

In the past few years of this century, innovations in the field of technology and engineering have taken place at an incredible pace, and it is extremely imperative to keep up with these advancements. In the ever-developing, dynamic world of today, the importance of these innovations is more relevant than ever before. This initiative illustrates the foresight and efforts of the organisers. I am certain that this conference will provide an opportunity for the delegates to share their thoughts and ideas, while providing a platform to the experts to uphold their potential of excellence, and discuss novel initiatives that positively impact the society, keeping in view the needs of the present age.

I extend my best wishes to the organisers and the participants of the event and wish them well for all future endeavours.

Thank you.

Yours,

*(Vinod Tawde)*

(Vinod Tawde)

**Ch. Vidyasagar Rao**  
GOVERNOR OF MAHARASHTRA



**RAJ BHAVAN**  
Malabar Hill  
Mumbai 400 035  
Tel. : 022-2363 2660  
Fax.: 022-2368 0505

14<sup>th</sup> December 2018

## **MESSAGE**

I am pleased to know that the Padmabhushan Vasantdada Patil Pratishthan's College of Engineering, Sion, Mumbai is organizing an International Conference on Innovative Research in Technology and Engineering (ICIRTE - 2018) on 21<sup>st</sup> and 22<sup>nd</sup> December 2018.

ICIRTE 2018 promises to provide an ideal platform for the exchange of innovations and sustainable technologies related to the field of Electronics, Communications, Computer, Information Technology, Humanities Science, Mathematics and Management. I do hope that the Conference will offer excellent exposure to students, researchers and members of faculty.

I congratulate the organizers for their initiative in hosting the Conference and wish the participants fruitful deliberations.

**(Ch. Vidyasagar Rao)**



## **Message from the President**

Information technology has been one of the leading drivers of globalization. Researchers must come together to share ideas and resources so that they can plan and create a better future for the next generation of students, academicians, and industry experts. In the competitive global markets of the 21st century, the leading companies in various industries have embarked on massive reorganizations, mergers, partnerships, and cutting-edge collaborative projects with their like-minded peers including their rivals primarily to survive but ultimately to grow.

As technology advances over time, the global world shrinks in the hands of the computer. Innovative thoughts and ideas are springing up every second in this technologically advanced world. In this context, Padmabhushan Vasantdada Patil Pratishthan's College of Engineering has chosen to organize International Conference on Innovation and Research in Technology & Engineering

On behalf of the Management, I welcome eminent keynote speakers and all the participants to this conference. I am sure the deliberations and discussions will bring out the important aspects of the advances in technology and generate lots of new ideas, exchange of information among multidisciplinary fraternity. I extend my warmest wishes to all. As a stepping stone in their efforts, they hosted this 5th International Conference on Innovation and Research in Technology & Engineering (ICIRTE-2018), getting technical sponsors from the leading and most prestigious technical societies and organizations such as IEEE, CSI and IETE.

Thanking you,  
Smt. Ashalata Phalke,  
President,  
Padmabhushan Vasantdada Patil Pratishthan's College of Engineering,  
Sion, Mumbai





### **Message from the General Secretary**

Technology refers to the practical applications of scientific research. It also includes the capability and skills required to apply the knowledge. Padmabhushan Vasantdada Patil Pratishthan's College of Engineering is established with a vision to impart quality education in the field of technology & engineering to nurture young minds into versatile future engineers.

I am happy to announce that PVPPCOE is organizing 5th International Conference (ICIRTE-2018), which is a platform to share knowledge of different fields of technology by distinguished researchers and technologists. This will be helpful to enhance the knowledge of faculty as well as students. The conference is held in association with University of Mumbai and technical bodies IEEE Bombay Section, IETE, ISTE and CSI. I hope this conference will bring creative and innovative ideas of various fields from various people. I would like to convey my best wishes to all the participants of ICIRTE-2018

Thanking you,  
Sr. Adv. Shri. Appasaheb Desai,  
General Secretary,  
Padmabhushan Vasantdada Patil Pratishthan's College of Engineering,  
Sion, Mumbai.





### **Message from the Executive Trustee**

On behalf of the management of Padmabhushan Vasantdada Patil Pratishthan's College of Engineering, I heartily welcome all delegates, committee members and participants of ICIRTE-2018. I am sure that this conference will provide an international forum for industry professionals, PG Scholars and researchers to deliberate, explore and contribute their research to discuss the latest advancements & future directions in the emerging areas of Engineering & Technology.

I would also like to extend my heartiest congratulations to the entire team of ICIRTE-2018, for organizing this conference with a great enthusiasm.

Thanking you,  
Adv. Shri. Pralhad Desai,  
Executive Trustee Member,  
Padmabhushan Vasantdada Patil Pratishthan's College of Engineering,  
Sion, Mumbai.







## **Message from the Principal**

On behalf of Padmabhushan Vasantdada Patil Pratishthan's College of Engineering, I extend a very warm welcome to all the delegates and participants present for the 5th International Conference on Innovation and Research in Technology & Engineering, ICIRTE-2018 being held at PVPPCOE, Sion on 21st and 22nd December 2018. The Conference aims to bring different ideologies under one roof and provide opportunities to exchange ideas face to face, to establish research relations and to find global partners for future collaboration. There are various pillars of the Education System in a nation. We have invited eminent dignitaries from different sectors to get a better understanding of these pillars of the Education System and the several strategies involved.

I would like to appreciate ICIRTE-2018 organizing committee for their endless efforts to attract quality papers. I would also like to thank our eminent keynote speakers, academicians, corporate delegates and all the participants of ICIRTE-2018, in association with IEEE Bombay Section, IETE, ISTE and CSI. The selected papers will be published in UGC listed Journal.

Thanking you,  
Dr. Alam N. Shaikh,  
Principal and Campus Director,  
Padmabhushan Vasantdada Patil Pratishthan's College of Engineering,  
Sion, Mumbai



### **T3-103: CALCIUM DIFFUSION STUDY WITH INTERPLAY OF CHANNELS AND PUMPS IN FIBROBLAST CELL USING FINITE DIFFERENCE METHOD**

Mansha Kotwani *et al.*

#### **Abstract**

Fibroblasts are activated and migrated to the wound sites during an injury or inflammation to repair the tissue. Calcium release and calcium influx both have been linked to cell migration depending upon cell type and stimuli. In mouse embryonic fibroblast (MEF) the calcium influx is mediated by L-type calcium channels, which plays important role in PDGF-induced cell migration in fibroblast. In order to understand the dynamics of calcium transient in complex biological processes, a mathematical model has been developed for two dimensional unsteady state case. The main objective of this work is to study the effect of L-type calcium channel and cytosolic buffers on calcium dynamics in fibroblast cell. The important parameters channel permeability, buffer concentration, buffer binding affinity have been incorporated in the model. Finite difference method has been employed to obtain the solution. Appropriate boundary conditions have been framed along with physiology of the cell. This model can be used to study the complex mechanisms of wound repair and tissue remodeling performed by the fibroblast cell calcium dynamics in fibroblast cell. The important parameters channel permeability, buffer concentration, buffer binding affinity have been incorporated in the model. Finite difference method has been employed to obtain the solution. Appropriate boundary conditions have been framed along with physiology of the cell. This model can be used to study the complex mechanisms of wound repair and tissue remodeling performed by the fibroblast cell.

### **T3-104: SOME NEW RESULTS ON MAXIMUM DEGREE ENERGY OF GRAPH**

B.Surendranath Reddy *et al.*

#### **Abstract**

In this paper, we are investigating maximum degree energy of complete bipartite graph, Crown graph, Star graph, Double star graph. Also we are finding the relations between maximum degree energy of simple graph  $G$  and maximum degree energy of graph  $G_0$  obtain from  $G$  by using graph operations.

### **T3-105: NUMERICAL SOLUTION OF TIME FRACTIONAL TELEGRAPH FITZHUGH-NAGUMO EQUATION**

Bhausheb Sontakke *et al.*

#### **Abstract**

In this paper, we develop the fractional order Adomian Decomposition Method for the time fractional Telegraph FitzHugh-Nagumo equation. We study combination of two wave equations, Telegraph equation and FitzHugh-Nagumo equation. Time fractional derivatives are considered as Caputo fractional derivatives. Examples are illustrated to show the efficiency and convenience of Adomian Decomposition Method. Also, the solutions of illustrative examples are represented graphically with the help of Mathematica.

### **T3-106: NUMERICAL SOLUTION OF FRACTIONAL EQUATION WHICH DESCRIBES WAVE PROPAGATION IN A MEDIUM**

M: P: DATAR

#### ***Abstract***

In this paper, we develop the fractional order Adomian Decomposition Method for the time fractional Diffusion equations which describe wave propagation in a medium. We study two wave equations, Telegraph equation and FitzHugh- Nagumo equation. The time fractional linear partial differential equation is derived from the original Telegraph equation by replacing the second order time derivative by a fractional derivative of order  $\alpha$ ,  $1 < \alpha < 2$ . Also, the time fractional non linear partial differential equation is derived from the original FitzHugh- Nagumo equation by replacing the first order time derivative by a fractional derivative of order  $\alpha$ ,  $0 < \alpha < 1$ . Time fractional derivatives are considered as Caputo fractional derivatives. Graphical representation of solution is made by using mathematica.

### **T3-107: POTENTIAL OF CRANK NICOLSON FINITE DIFFERENCE SCHEME AND VARIATIONAL ITERATION METHOD TO SOLVE TIME FRACTIONAL MOBILE-IMMOBILE EQUATION**

M. P. DATAR

#### ***Abstract***

In the present paper we develop the Crank-Nicolson finite difference scheme for time fractional Mobile Immobile equation(MIM). Also, we prove solution of the scheme is unconditionally stable and convergent. Furthermore, the same equation is solved by the variational iteration method. The results obtained from both the schemes are compared for better understanding. Numerical examples proves the accuracy of the developed scheme.

### **T3-108: ERROR ANALYSIS OF SOLUTION OF TIME FRACTIONAL CONVECTION DIFFUSION EQUATION**

Sharvari Kulkarni et al.

#### ***Abstract***

The aim of this paper is to develop the Crank-Nicolson finite difference scheme and Adomian Decomposition Method to solve time fractional convection diffusion equation. Furthermore, we give a detailed analysis of the Crank- Nicolson scheme and generate the discrete model. Also, we prove solution of the scheme is unconditionally stable and convergent. As an application of the scheme we solve test problem and their solution represented graphically by powerful software Mathematica. We also develop the Adomian Decomposition Scheme for time fractional convection diffusion equation. We analyze the solutions of convection diffusion equation by both methods and estimate the error.

### **T3-109: PRODUCTION OF BIOFUEL USING NANOCATALYST**

Pranjali Sahane et al.

#### ***Abstract***

Biofuels are an important factor as a substitute for fossil fuels. Their production is increasing around the world. Catalytic processes are used to produce biofuel. The availability and wide diversity of biomass resources have made them an attractive and

promising source of energy. Nanocatalysts are used to improve product quality and achieve optimal operating conditions. Nanocatalysts due to its high catalytic activity and high specific surface area, can overcome the problems associated with heterogeneous catalysts such as mass transfer resistance, high time consumption, fast deactivation and inefficiency. In the present review importance of biofuel, overview of nanocatalyst in the preparation of biofuel have been reported. Also effect of various parameters such as alcohol to oil ratio, effect of reaction time and temperature , effect of catalyst loading on the biofuel production have been discussed. Overall it can be said that the biofuel production using nano catalyst is a promising approach.

### **T3-110: SYNTHESIS OF BIS(INDOLYL) METHANE DERIVATIVES**

Sayas K Lad *et al.*

#### **Abstract**

Indole and their derivatives constitute an important class of biologically active natural products, which play a fundamental role in bioorganic chemistry<sup>1</sup>. Indole derivatives occur widespread in many natural products. Various plants have yielded indole, among them the following: Robinia pseudacacia,<sup>2</sup> the jasmynes,<sup>3-4</sup> certain citrus plants,<sup>5</sup> and orange blossoms.<sup>6</sup> Indole is also found after putrefactive processes have taken place. It is found in the animal body wherever pus formation occurs<sup>7</sup> and in the liver and pancreas,<sup>8</sup> the brain<sup>9</sup> and bile<sup>10</sup>. Indole and its derivatives are important intermediate in organic synthesis and exhibit various physiological properties and pharmacological activities ,such as beneficial estrogen metabolism promoter,<sup>11</sup> inhibitory of human prostate cancer cells<sup>12</sup> and radical scavenging activities associated with cancer cells<sup>13</sup>. Over the past decade, a number of natural products containing bis (indolyl) methane (BIMs) have been isolated from marine sources indeed<sup>14</sup>. Therefore, there is great deals of interest in the synthesis of these classes of compounds. Indole alkaloid act on the central and peripheral nervous system , besides , bis indole alkaloid vinblastine and vincristine shows antineoplastic effect.<sup>15</sup> Among various indole derivatives, di(1H-indolyl-3-yl)methane (DIM) and 1,4-bis{di(1H-indol-3-yl)methyl} benzenes display diverse pharmacological activities and are useful in the treatment of fibromyalgia, chronic fatigue and irritable bowel syndrome<sup>16</sup>. Bis(indolyl)methane is known to promote estrogen metabolism in both women and men and is expected to have an application in the prevention of breast cancer.<sup>17</sup> due to such pharmaceutical importance the synthesis of bis(indolyl)methane and its derivatives is receiving considerable attention these days.<sup>18</sup> bis(indolyl)methane are a biologically valuable group of organic compounds. A large number of these compounds have been isolated from earthy and marine natural sources such as sponges.<sup>19</sup> they are also identified to promote useful estrogen metabolism and are found in cruciferous plants.<sup>20</sup> bis(Indolyl)methane have many applications in material sciences, agrochemicals and pharmaceuticals<sup>21</sup>.

### **T3-111: TEACHING BUSINESS COMMUNICATON IN INDIA: A REVIEW**

Mr. Manjunath Parshuram Gawali

#### **Abstract**

Business communication and Ethics is a part of the Engineering studies curriculums and this paper gives an account of the teaching –learning process adopted for a batch of graduate engineering students who were from all background. Communication skills and business communication are subjects included in first year and third year B.E. curriculum, with the aim of enabling student to build their soft skills. For those students, who studied in a vernacular medium school till class twelve, with minimal exposure to English during their undergraduate course, conversing in English, let alone Business ethics, etiquettes and soft skills are new concept to them. However, communication skills had never been more inevitable and essential for the acquisition of

employability as they are today. Business communication empowers the students to be competent in their learning as well as professional environment. As future engineers, they ought to have the confidence and grasp over the language to be able to communicate their ideas effectively. an effective approach towards the subject from the faculty and the right attitude from students could definitely make a difference.

## TRACK 4: Civil & Environmental Engineering

### T4-101: RECYCLE FOR BETTER TOMORROW AND SWATCH BHARAT

Mrs A.D Kurkure *al.*

#### *Abstract*

Recycling of various materials in very systematic manner is continuously taking place in Nature. This natural process has its own capacity, speed and influencing parameters for changing of one form to another. It can certainly convert any waste to useful material in course of time, it is the volume it can handle that makes difference. Present day Progress of mankind in scientific and technical fields generates huge volume of waste which is beyond capacity of nature to process in shorter times. As a result we find we are in the age of pollution of various kinds. Our life style practices also add to this problem. Our prime minister has to declare swatch Bharat Abhiyan to restore the beauty of our home land and provide better environment to our future generations to live in.

In this paper efforts are made to emphasize recycling as one of the best tool to overcome or reduce the menace of wastes that are generated

### T4-102: Review paper on “Legislation Supporting Energy Conservation and Current Perspective on Energy Security for India”

Prof. Vibhavari Narendra Kulkarni *al.*

#### *Abstract*

Government of India, Ministry of Power, realized in early 2001 that India needed a legal framework for promoting energy conservation in the country. Hence Energy Conservation Act 2001 was enacted and Bureau of Energy Efficiency (BEE) was entrusted to operationalize the act. In the following article a review is done on how the current legislation is enabling energy security for India and future directions it should take.

### T4-103: REVIEW PAPER ON RENEWABLE ENERGY RESOURCES AND THEIR CHALLENGES IN ELECTRICITY GENERATION AND TRANSPORTATION

Mrs. Neeta Manish Vanage *al.*

#### *Abstract*

Even after six decades after independence of India, we are still relying on nonrenewable energy resources for generation of electricity and for transportation in India on a larger scale. On other hand the combustion of fossil fuel leads to carbon emission which is major factor for global warming.so it is need of the hour to find economical and viable alternative solutions for replacing nonrenewable energy resources. In this paper the efforts are made to discuss the renewable energy resources and their challenges in generation of electricity and transportation. Reports of national and government bodies, international institutions, internet etc are used for collecting information and are presented in the paper.

#### **T4-104: A Survey on Solar Energy for Every Home: Energy Saving Applications**

Dhanashri Konnur *et.al*

##### ***Abstract***

Most of the present day resources of energy are limited and irreplaceable. The next generation will face acute energy crisis if alternate resources of energy are not developed concurrently. Increasing cost and import of conventional resources have bad effect on the economy of a country, and the only cheaper solution is “unlimited power” from the sun. The use of solar energy is so far limited in household applications. In fact, if we harness only 0.0034 percent of the solar energy reaching the Earth’s surface, the energy need of the whole world will be met. In the present work, a substitute of 10-watt conventional night lamp has been proposed by a solar night lamp of the same light intensity through an experimental setup. The developed solar system is cheaper, portable, user friendly, and free from maintenance. The paper stresses on the need of replacement of conventional night lamp by solar night lamp in every home for reducing the energy crisis at present.

#### **T4-106: Authentication of e-documents**

Ashwini Vhanmane *et.al*

##### ***Abstract***

For each block of graphic document image, the authentication signal creates a transformation, together with the contents of the binary block, in different actions. The parameters are selected carefully so that many shared resources are generated in the alpha channel plane. PNG image has been made by the alpha channel to connect alpha channel and the original split image. In the image authentication process, if the authentication signal is computed from the content of the current block extracted from the actions embedded in the alpha channel plane does not complete, an image block is marked as influenced. The safety of the data is hidden in the alpha channel plane is also commended. Good experimental results shows the efficiency of the proposed method for actual applications.

**TRACK 5: Electrical Engineering****T5-101: Power Decomposition under Non-sinusoidal Conditions-A Case Study**Prachi Godbole *et al.****Abstract***

The revolution and wide usage of power electronics devices in modern power system leads to non-sinusoidal voltage and current waveforms due to addition of harmonic signals to the fundamental signals. Defining the total apparent power under non-sinusoidal condition by obtaining different power components for a balanced three phase system is presented in this paper. The apparent power is decomposed in the average and oscillatory power components. The power decomposition proposed in this paper can be used in the power balance equations in load flow analysis under non-sinusoidal conditions as well as in compensator design. To verify the equations derived, a Case study of a distorted system is considered. The power components and total apparent power calculated are compared with the power decomposition given in IEEE Standard 1459-2010 . It is found that the values are satisfactorily matching. Thus accurateness of the proposed method is demonstrated.



## TRACK 6 – Mechanical Engineering

### **T6-101: WARPAGE CONTROL IN WASHERS OF THRUST BEARING USING TAGUCHI ROBUST DESIGN METHODOLOGY**

Ramu V Aital *al.*

***Abstract***

Designing high quality products and processes at a low cost is an economic and technical challenge to an engineer a systematic and efficient way to meet this challenge is the parameter design method of design optimization for the performance, quality and cost. The parameter design method uses a mathematical tool called orthogonal array and a measure of quality called signal-to-noise (S/N ratio). In this project WARPAGE CONTROL IN WASHERS OF THRUST BEARING USING TAGUCHI ROBUST DESIGN METHODOLOGY an attempt has been made to control the using parameter design.

Parameter design is an approach for design of experiments (DOE) which enables one to identify the nature and effect of parameter(s) by conducting minimum number of experiments using orthogonal arrays, allows the effect of process parameters to be determined efficiently, effect of various process parameters are determined by ANOVA analysis. The estimation of the process parameter's effect is then used to optimize process parameter.

### **T6-102: SOLAR COOLING SYSTEMS**

Ashwin Narayan Kamble *al.*

***Abstract***

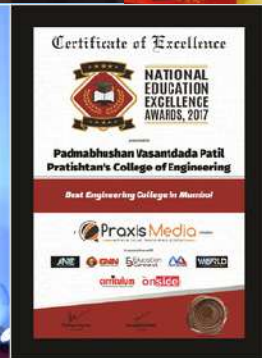
In the recent years, the growing demand for energy has caused a significant increase in demand for primary energy resources. Solar-powered cooling is one of the technologies which allow obtaining, by using the renewable solar source, an important energy saving compared to traditional cooling machines. The paper describes different cooling machines for solar cooling. The objective of the present study has been to list out present solar –power cooling systems.

*Index Terms* – Solar, cooling.

# 5th International Conference ICIRTE 2018

ON

INNOVATION & RESEARCH IN  
TECHNOLOGY AND ENGINEERING



Vasantdada Patil Educational Complex, Eastern Express Highway,  
Near Everard Nagar, Sion - Chunabatti Mumbai-400022

Tel: +9122 24070547; 24071385; 24038716; 24038718

Fax: +9122 24038717

Toll Free : 1800 274 5999



**Date:-02/10/2019**

## **Notice**

All the Third Year EXTC Students are hereby informed that following session has been arranged for the students.

**Subject Name:** - Discrete Time Signal Processing.

**Topic Name:** Digital Filters

**Class:** TE EXTC

**Date & Time:** 11<sup>th</sup> Oct. 2019, 10.00 am to 12.00pm

**Venue:** Classroom (213)

**Expert Name:** Mr.Ashish Shekhar, Vidyalankar institute of Technology.

All the students are hereby informed to attend the session.

  
(Subject Incharge)



**PVPP'S**  
College of Engineering

DEPARTMENT OF  
ELECTRONICS AND TELECOMMUNICATION

Date: 2<sup>nd</sup> October, 2019

To,  
Prof. Ashish Shekhar,  
Assistant Professor ,  
Vidyalankar Institute of Technology,  
Mumbai.

*Subject : Invitation for Expert Talk to Third Year EXTC students*

*Respected Sir,*

*It gives me an immense pleasure to invite you as expert for delivering talk to Third Year students of EXTC Engg dept. on "Digital Filters" on 11th Oct,2019 at 10am . Your talk will surely benefit to the students and they will apply the knowledge in their project development.*

*Thanking You.*

Dr. Pramod Bhavarthe

(HOD, EXTC DEPT)



Date: 11<sup>th</sup> October, 2019

## Appreciation Letter

To,

Prof. Ashish Shekhar,  
Assistant Professor ,  
Vidyalankar Institute of Technology,  
Mumbai.

I appreciate the contribution of Prof. Ashish Shekhar, Assistant Professor, Vidyalankar Institute of Technology, Mumbai. as a Speaker for the Expert Lecture on the topic “**Digital Filters**” for the subject of “**Discrete Time Signal Processing**” for the students of **TE EXTC** of Vasantdada Patil Pratishthan's College of Engineering & Visual Arts, Sion, Mumbai on **11<sup>th</sup> October, 2019**. This Expert Lecture was an interactive session about knowledge of Digital Filters which thereby received a very positive response from students.

I appreciate the contribution of Prof. Ashish Shekhar for his effective and interactive expert talk for students.

Dr. Pramod Bhavarthe  
(HOD, EXTC ENGG.)

Date :- 13<sup>th</sup> Sept 2019

To  
The Principal,  
PVPPCOE, Sion

Subject : Permission for a Hands-on  
Workshop on 20<sup>th</sup> & 21<sup>st</sup> Sept. 2019.

Respected Sir,

Department of Electronics & Telecommunication  
Engineering want to conduct Hands-on Workshop  
on Arduino in association with Embed Vision  
Infotech Pvt. Ltd, Bhopal (MP) for all third  
year students on 20<sup>th</sup> & 21<sup>st</sup> Sept. 2019.  
Fees for the workshop is Rs. 600/- per  
student & a group of 5 students will get  
one Arduino kit free.

Also the company is going to donate  
two Embedded System based kits for our  
'Microprocessors & Microcontroller Lab' (416).  
So kindly sanction the permission for  
the above mentioned Hands-on Workshop.

Thanking you.

*[Signature]*  
13.09/19

Dr. Pramod Bhavartha  
HOD, EXTC.

Enclosed - Workshop Poster

*[Signature]*  
13/09/19



# Padmabhushan Vasantdada Patil Pratishthan's College of Engineering

(Department of Electronics and Telecommunications Engineering)

*In Association with*



## EmbedVISION Infotech Pvt. Ltd., Bhopal (MP)

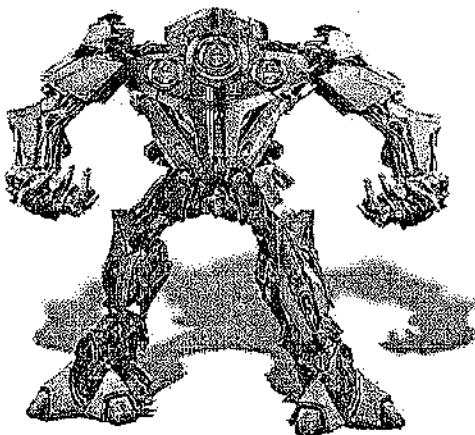
Developing Embedded Generation

*Presents*

# Hands - on Workshop

ON

# ARDUINO



## CONTENTS

Introduction to ARDUINO

Interfacing of LED, 7 Segment

Practical session on Arduino

Bluetooth and Relay Interfacing

Android controlled Home Appliances

Date:- 20th - 21st September, 2019

Venue:- Lab no. 416

Duration:- 2 days

For any Query Contact  
Prof. Anagha Dhavalikar  
Prof. Harsh Sanap



Date : 21<sup>st</sup> Sept,2019

### Report of Hands on Workshop on "Aurdino Programming"

Speaker : Mr. Alok Niranjan & Mr. Subodh Kumar

"Arduino Programming Workshop" was conducted for two days on 20<sup>th</sup> and 21<sup>st</sup> Sept 2019 in Department of Electronics and Telecommunication Engineering by Mr. Alok Niranjan, Group Manager - Analytics (Product Deployment) & Mr. Subodh kumar, Director in "Embedvision Infotech Pvt. Ltd" provided key idea on "Aurdino Programming" for Third Year students of Electronics & Telecommunication Engineering Dept.

He introduced basics of Arduino programming and hardware interfacing. The objective was to provide students with practical experience in Arduino programming and circuit design. This activity offered live hands on Arduino interfacing for students.

#### Workshop Topics Covered:

✓ Interfacing of LED:

- The workshop began with an introduction to Light Emitting Diodes (LEDs) and their basic principles.
- Participants learned how to connect LEDs to Arduino boards and control them using simple code.
- Hands-on exercises were conducted to blink LEDs at different frequencies and patterns.

✓ Push Button Interfacing:

- Following LED interfacing, participants were introduced to push buttons and their functionality.
- They learned how to connect push buttons to Arduino and control LED states based on button inputs.
- Practical exercises enabled students to implement push button-controlled LED toggling.

✓ Traffic Light Project:

- The workshop progressed to a more complex project involving the simulation of a traffic light system.
- Participants were guided through the design and implementation of the traffic light project using multiple LEDs and push buttons.
- Emphasis was placed on sequencing the traffic lights accurately and responding to user input.





✓ Sensor through LED:

- The final topic covered sensor integration with Arduino, specifically using LEDs as output indicators.
- Students learned how to interface sensors such as light sensors or temperature sensors with Arduino.
- Practical demonstrations illustrated how sensor readings could be displayed through LED outputs.

**Conclusion:**

By conducting the workshop, students understand what an Arduino is and how it works. Program Arduino using code written in Arduino IDE. Use different sensors, components and prototype modules using a breadboard. And learn to build innovative project with Arduino.

(Subject Incharge)

Dr. Pramod Bhavarthe  
(HOD, EXTC ENGG.)



Arduino Workshop Fee (20<sup>th</sup> sept & 21<sup>st</sup> sept, 2019)

Class: TE/B.(EXTC)

Sr.No.	ID NO.	Name	Amount Received (600/-)	Sign
1	VU3S1819001	SHEWALE NITIN ANAND	600/-	Nitin
2	VU3S1819002	PATIL VEDANTIKA VINOD	600/-	Patil
3	VU3S1819003	DHOMASE DIVYA UTTAM	600/-	Dhomase
4	VU3S1819004	KAMBLE MAYURESH BABAN		
5	VU3S1819006	KELASKAR TEJAS BHASKAR	600/-	Tejas
6	VU3S1819007	KATALE AMEY ANANT	600/-	Katale
7	VU3S1819008	PATIL AMAN NARESH	600/-	Aman
X8 seat	VU3S1819009	DEVIKAR YASH RAMKRISHNA		
9	VU3S1819010	RANE SHUBHAM DILIP	600/-	Rane
10	VU3S1819011	CHIPLUNKAR OMKAR VILAS	600/-	Chiplunkar
11	VU3S1819012	GOUD VISHAL VINOD	600/-	Goud
12	VU3S1819013	MOKAL MAYUR PARSHURAM	600/-	Mokal
13	VU3S1819014	NIRMAL SURAJ KRISHNA	600/-	S.K. Nirmal
14	VU3S1819015	SAWANT SHRADDHA NAGESH	600/-	Sawant
15	VU3S1819016	SAWANT MAYUR MUKUND		
16	VU3S1819018	GOUD ASHISH KRISHNA	600/-	Goud
17	VU3S1819021	DESAI SHARYU JAYAVANT	600/-	Sharyu
18	VU3S1819022	SHEWALE PRAJAKTA BHASKAR	600/-	PBS

**PVPP'S**

College of Engineering

DEPARTMENT OF

ELECTRONICS AND TELECOMMUNICATION

19	VU3S1819023	AVGUNDE ANIKITA MAHADEV	600/-	Anikita
✓ 20	VU3S1819024	ADATE SNEHAL AKARAM	600/-	Adate
21	VU3S1819025	PEDNEKAR SAURABH GOPINATH		
22	VU3S1819027	MASURKAR DARSHAN SHASHIKNT		
23	VU3S1819028	BAILE TANMAY ROHIT		
24	VU3S1819029	GORKHE DEEPAK BHIMRAO		
25	VU3S1819032	PARAB SWAPNIL MANGESH		
26	VU3S1819033	SAKPAL SAURABH PRAKASH		
27	VU3S1819034	KHAN TAVEZ ASHRAF ABDUL SALAM	600/-	Davey
28	VU3S1819036	CHAVAN MUKUND VISHWAS	600/-	Chavan
29 ✓ seat	VU3S1819037	DHA WALE MILIND ASHOK		
30 ✓ seat	VU3S1819039	NAVLE PRAVEEN RAMESH		
31	VU3S1819041	SHAIKH HUSSAIN BADSHA		
32	VU3S1819042	DHURI TEJAS VASUDEV ✓	600/-	Dhuri
33	VU3S1819043	MORE GAURAV DEEPAK		
34	VU3S1819044	CHASKAR JITENDRA SUDAM	600/-	Js-chaskar
35 ✓ seat	VU3S1819045	BHOSALE ANIL GORKHANATH		
36	VU3S1819048	PARAB ANIKET SUNIL	600/-	Aniket
37	VU3S1819049	CHANDANSHIVE NEHA DEEPAK	600/-	Neha
38	VU3S1819050	KAZI EZHAAN ELIAS		
39	VU3S1819051	BHARATE VIJAY SUDHAKAR		



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**ELECTRONICS AND TELECOMMUNICATION**

40	VU3S1819053	BIRTHARE PRANJAL CHANDRAMOHAN		
41	VU3S1819054	PAWAR PRIYANKA MOTILAL		
42	VU3S1819055	PRATIK KUMARESAN		
43	VU3S1819057	SHAIKH FAISAL S.K.GHUDU		
44	VU3S1718079	MORE NIKHIL		
45	VU3S1819058	KADAM ANUSHKA JAYSING(PROVISIONAL)		
46	VU3S1819035	DHARNE BHAVESH BHARGAV( PROVISIONAL)		
47	VU3S1819038	MALI PRATIK ANIL (PROVISIONAL)	600/-	<u>Pratik</u>

Class Advisor  
Prof. Harsha H. Sanap



Arduino Workshop Attendance (20/09/19)

Class: TE/B (EXTC)

Sr.No.	ID NO.	Name	Sign
1	VU3S1819001	SHEWALE NITIN ANAND	<i>Nitin S.</i>
2	VU3S1819002	PATIL VEDANTIKA VINOD	<i>Vedantika</i>
3	VU3S1819003	DHOMASE DIVYA UTTAM	<i>Divya</i>
4	VU3S1819004	KAMBLE MAYURESH BABAN	
5	VU3S1819006	KELASKAR TEJAS BHASKAR	<i>Tejas</i>
6	VU3S1819007	KATALE AMEY ANANT	<i>Ame</i>
7	VU3S1819008	PATIL AMAN NARESH	<i>Aman</i>
8	VU3S1819009	DEVIKAR YASH RAMKRISHNA	
9	VU3S1819010	RANE SHUBHAM DILIP	<i>Shubham</i>
10	VU3S1819011	CHIPLUNKAR OMKAR VILAS	<i>Chiplunkar</i>
11	VU3S1819012	GOUD VISHAL VINOD	<i>Vishal</i>
12	VU3S1819013	MOKAL MAYUR PARSHURAM	<i>Mayur</i>
13	VU3S1819014	NIRMAL SURAJ KRISHNA	<i>S.K. Nirmal</i>
14	VU3S1819015	SAWANT SHRADDHA NAGESH	<i>Shraddha</i>
15	VU3S1819016	SAWANT MAYUR MUKUND	
16	VU3S1819018	GOUD ASHISH KRISHNA	<i>Ashish</i>
17	VU3S1819021	DESAI SHARYU JAYAVANT	<i>Sharyu</i>
18	VU3S1819022	SHEWALE PRAJAKTA BHASKAR	<i>P.B.</i>

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19	VU3S1819023	AVGUNDE ANKITA MAHADEV	<i>Ankita Angunde</i>
20	VU3S1819024	ADATE SNEHAL AKARAM	<i>Snehal Adate</i>
21	VU3S1819025	PEDNEKAR SAURABH GOPINATH	
22	VU3S1819027	MASURKAR DARSHAN SHASHIKNT	
23	VU3S1819028	BAILE TANMAY ROHIT	
24	VU3S1819029	GORKHE DEEPAK BHIMRAO	
25	VU3S1819032	PARAB SWAPNIL MANGESH	
26	VU3S1819033	SAKPAL SAURABH PRAKASH	
27	VU3S1819034	KHAN TAVEZ ASHRAF ABDUL SALAM	<i>Tavez Khan</i>
28	VU3S1819036	CHAVAN MUKUND VISHWAS	<i>Mukund Chavan</i>
29	VU3S1819037	DHAWALE MILIND ASHOK	
30	VU3S1819039	NAVLE PRAVEEN RAMESH	<i>Praveen Navle</i>
31	VU3S1819041	SHAIKH HUSSAIN BADSHA	
32	VU3S1819042	DHURI TEJAS VASUDE V	<i>Tejas Dhuri</i>
33	VU3S1819043	MORE GAURAV DEEPAK	
34	VU3S1819044	CHASKAR JITENDRA SUDAM	<i>J Chaskar</i>
35	VU3S1819045	BHOSALE ANIL GORKHANATH	<i>Anil Bhosale</i>
36	VU3S1819048	PARAB ANIKET SUNIL	<i>Aniket Parab</i>
37	VU3S1819049	CHANDANSHIVE NEHA DEEPAK	<i>Neha Chandanshive</i>
38	VU3S1819050	KAZI EZHAAN ELIAS	
39	VU3S1819051	BHARATE VIJAY SUDHAKAR	



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42	VU3S1819055	PRATIK KUMARESAN	
43	VU3S1819057	SHAIKH FAISAL S.K.GHUDU	
44	VU3S1718079	MORE NIKHIL	
45	VU3S1819058	KADAM ANUSHKA JAYSING(PROVISIONAL)	
46	VU3S1819035	DHARNE BHAVESH BHARGAV( PROVISIONAL)	
47	VU3S1819038	MALI PRATIK ANIL (PROVISIONAL)	

Class Advisor  
Prof. Harsha H. Sanap



**Arduino Workshop Attendance**  
**Class: TE/B (EXTC)**  
**Date : 21/09/2019**

Sr.No.	ID NO.	Name	Sign
1	VU3S1819001	SHEWALE NITIN ANAND	<i>Nitin</i>
2	VU3S1819002	PATIL VEDANTIKA VINOD	<i>Vedanti</i>
3	VU3S1819003	DHOMASE DIVYA UTTAM	<i>Divya</i>
4	VU3S1819004	KAMBLE MAYURESH BABAN	
5	VU3S1819006	KELASKAR TEJAS BHASKAR	<i>Tejas</i>
6	VU3S1819007	KATALE AMEY ANANT	<i>Ame</i>
7	VU3S1819008	PATIL AMAN NARESH	<i>Aman</i>
8	VU3S1819009	DEVIKAR YASH RAMKRISHNA	
9	VU3S1819010	RANE SHUBHAM DILIP	<i>Shubham</i>
10	VU3S1819011	CHIPLUNKAR OMKAR VILAS	<i>Omkar</i>
11	VU3S1819012	GOUD VISHAL VINOD	<i>Vishal</i>
12	VU3S1819013	MOKAL MAYUR PARSHURAM	<i>Mokal</i>
13	VU3S1819014	NIRMAL SURAJ KRISHNA	<i>S.K.Nirmal</i>
14	VU3S1819015	SAWANT SHRADDHA NAGESH	<i>Shraddha</i>
15	VU3S1819016	SAWANT MAYUR MUKUND	
16	VU3S1819018	GOUD ASHISH KRISHNA	<i>Ashish</i>
17	VU3S1819021	DESAI SHARYU JAYAVANT	<i>Sharyu</i>
18	VU3S1819022	SHEWALE PRAJAKTA BHASKAR	<i>Prajakta</i>



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19	VU3S1819023	AVGUNDE ANKITA MAHADEV	<i>Ankita Avgunde</i>
20	VU3S1819024	ADATE SNEHAL AKARAM	<i>Snehal</i>
21	VU3S1819025	PEDNEKAR SAURABH GOPINATH	
22	VU3S1819027	MASURKAR DARSHAN SHASHIKNT	
23	VU3S1819028	BAILE TANMAY ROHIT	
24	VU3S1819029	GORKHE DEEPAK BHIMRAO	
25	VU3S1819032	PARAB SWAPNIL MANGESH	
26	VU3S1819033	SAKPAL SAURABH PRAKASH	
27	VU3S1819034	KHAN TAVEZ ASHRAF ABDUL SALAM	<i>[Signature]</i>
28	VU3S1819036	CHAVAN MUKUND VISHWAS	<i>[Signature]</i>
29	VU3S1819037	DHAWALE MILIND ASHOK	
30	VU3S1819039	NAVLE PRAVEEN RAMESH	<i>[Signature]</i>
31	VU3S1819041	SHAIKH HUSSAIN BADSHA	
32	VU3S1819042	DHURI TEJAS VASUDEV	<i>[Signature]</i>
33	VU3S1819043	MORE GAURAV DEEPAK	
34	VU3S1819044	CHASKAR JITENDRA SUDAM	<i>J. Chaskar</i>
35	VU3S1819045	BHOSALE ANIL GORKHANATH	<i>[Signature]</i>
36	VU3S1819048	PARAB ANIKET SUNIL	<i>Aniket</i>
37	VU3S1819049	CHANDANSHIVE NEHA DEEPAK	<i>Neha</i>
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43	VU3S1819057	SHAIKH FAISAL S.K.GHUDU	
44	VU3S1718079	MORE NIKHIL	
45	VU3S1819038	MALI PRATIK ANIL (PROVISIONAL)	<i>Harsha</i>

Class Advisor  
Prof. Harsha H. Sanap

Sr.	ID No.	Student Name	20/09/19	21/09/19
1	VU3F1718001	DEVARKONDA ARVIND NARENDRA MAMTA		
2	VU3F1718002	BENDALE TIMISH RAVINDRA SANDHYA		
3	VU3F1718004	NAIR SAINATH RAVIKUMAR BINDU		
4	VU3F1718005	PRABHUDABHOLKAR NEEL DEEPAK SUPRIYA		
5	VU3F1718006	SUTAR ABHISHEK BHABUTMAL TULSI		
6	VU3F1718007	TELI VIGHNESH DAYANAND GAYATRI		
7	VU3F1718008	PHADKE MRUNAL ANIL VIDYA		
8	VU3F1718009	WAGHMODE MANORAMA VISHWANATH		
9	VU3F1718010	BOLLAVATHRI ROHAN SRINIVAS RAMADEVI		
10	VU3F1718011	SALVI SHARVARI RAVIKANT SHRUTIKA		
11	VU3F1718013	SANE SANIL SUDHAKAR VANDANA		
12	VU3F1718014	KOTWAL TUSHAR RAMDAS KAMALARANI		
13	VU3F1718015	JADHAV PRIYANKA TUKARAM DROPTABAI	<i>Enckh</i>	<i>Enckh</i>
14	VU3F1718016	SHUKLA BHAUMIK PARSHURAM NEELAM		
15	VU3F1718017	MANE ATUL SURESH RUPALI		
16	VU3F1718022	SHEWALE TUSHAR RAMDAS SANGITA		
17	VU3F1718023	DHANMEHER AISHWARYA NARESH VANITA	<u>AD</u>	<u>AD</u>
18	VU3F1718024	MARATHE GANESH MEGHASHAM MEGHANA		
19	VU3F1718025	WAGHMARE ANIKET KISHOR NEETA		
20	VU3F1718026	BADE OMKAR RAMESH SANGITA		
21	VU3F1718027	KAPURE VRUSHALI VINOD VAISHALI		
22	VU3F1718033	PEDNEKAR AJAY DHANANJAY DHANASHREE		
23	VU3F1718034	KALANTRE VISHAL VILAS VARSHA		
24	VU3F1718037	BELAVEKAR MANASI DATTATRAY MAYA		
25	VU3F1718039	KULKARNI ATHARVA MAHESH SWATI		
26	VU3F1718040	RAJBHAR ROBIN SANTELAL SUSHILA	<i>Enckh</i>	<i>Enckh</i>
27	VU3F1718042	GOWDA NISHCHITA SHIVA LATA		
28	VU3F1718044	MOHARE MADHUR MOHAN MAITRI	<i>Enckh</i>	<i>Enckh</i>
29	VU3F1718045	TADAKA KUMAR RAMESH SUVARNA	<i>Enckh</i>	<i>Enckh</i>
30	VU2T3S1718026	TAMBE HRISHIKESH ASHOK ANKITA	<i>Enckh</i>	<i>Enckh</i>
31	VU2T3S1718037	PATEL PRANAY AJAY SONAL	<i>Enckh</i>	<i>Enckh</i>
32	VU3F1516025	HARNE AKASH		
33	VU3F1516041	SARODE ADITYA		
34	VU3S1718007	JADHAV TUSHAR		
35	VU3S1718072	SHARMA ADITYA		
36	VU3F1516053	TODANKAR SAISH		
37	VU3S1718074	GHATGE KIRAN		

- Computer (C.S.E.)
- Mudgal Ashraheer
- Manas Patil
- Kunal Bhurbaal

20/09/19 *M. Ashraheer M.*  
 21/09/2019 *M. Ashraheer M.*  
*M. Ashraheer M.*  
*M. Ashraheer M.*

Sr.	ID No.	Student Name	Paid	Sign
1	VU3F1718001	DEVARKONDA ARVIND NARENDRA MAMTA		
2	VU3F1718002	BENDALE TIMISH RAVINDRA SANDHYA		
3	VU3F1718004	NAIR SAINATH RAVIKUMAR BINDU		
4	VU3F1718005	PRABHUDABHOLKAR NEEL DEEPAK SUPRIYA		
5	VU3F1718006	SUTAR ABHISHEK BHABUTMAL TULSI		
6	VU3F1718007	TELI VIGHNESH DAYANAND GAYATRI		
7	VU3F1718008	PHADKE MRUNAL ANIL VIDYA		
8	VU3F1718009	WAGHMODE MANORAMA VISHWANATH UJWALA		
9	VU3F1718010	BOLLAVATHRI ROHAN SRINIVAS RAMADEVI		
10	VU3F1718011	SALVI SHARVARI RAVIKANT SHRUTIKA		
11	VU3F1718013	SANE SANIL SUDHAKAR VANDANA		
12	VU3F1718014	KOTWAL TUSHAR RAMDAS KAMALARANI		
13	VU3F1718015	JADHAV PRIYANKA TUKARAM DROPTABAI	600/-	✓
14	VU3F1718016	SHUKLA BHAUMIK PARSHURAM NEELAM		
15	VU3F1718017	MANE ATUL SURESH RUPALI		
16	VU3F1718022	SHEWALE TUSHAR RAMDAS SANGITA		
17	VU3F1718023	DHANMEHER AISHWARYA NARESH VANITA	600/-	AD
18	VU3F1718024	MARATHE GANESH MEGHASHAM MEGHANA		
19	VU3F1718025	WAGHMARE ANIKET KISHOR NEETA		
20	VU3F1718026	BADE OMKAR RAMESH SANGITA		
21	VU3F1718027	KAPURE VRUSHALI VINOD VAISHALI		
22	VU3F1718033	PEDNEKAR AJAY DHANANJAY DHANASHREE		
23	VU3F1718034	KALANTRE VISHAL VILAS VARSHA		
24	VU3F1718037	BELAVEKAR MANASI DATTATRAY MAYA		
	VU3F1718039	KULKARNI ATHARVA MAHESH SWATI		
26	VU3F1718040	RAJBHAR ROBIN SANTELAL SUSHILA	600/-	AD
27	VU3F1718042	GOWDA NISHCHITA SHIVA LATA		
28	VU3F1718044	MOHARE MADHUR MOHAN MAITRI	600/-	✓
29	VU3F1718045	TADAKA KUMAR RAMEH SUVRNA	600/-	✓
30	026	TAMBE HRISHIKESH ASHOK ANKITA	600/-	AD
31	037	PATEL PRANAY AJAY SONAL	600/-	AD
32	VU3F1516025	HARNE AKASH		
33	VU3F1516041	SARODE ADITYA		
34	VU3S1718007	JADHAV TUSHAR		
35	VU3S1718072	SHARMA ADITYA		
36	VU3F1516053	TODANKAR SAISH		
37	VU3S1718074	GHATGE KIRAN		

S.E. Computer

1. VU1F1819027 Manas Patil 600/- *mu*

2. VU1F1819037 Anushree M. 600/- *Anushree M*

3. VU4F151819029 Kunal S Bhywal 600/- *K Bhywal*



**Date:-10/09/2019**

## **Notice**

All the Final Year EXTC Students are hereby informed that following session has been arranged for the students.

**Subject Name:** - Mobile Communication

**Topic Name:** 5-G Mobile Communication in association with IETE

**Class:** BE EXTC

**Date & Time:** 20<sup>th</sup> Sept. 2019, 10.00 am

**Venue:** Seminar Hall (216)

**Expert Name:** Dr.S.S.Thakur Chairman, IETE Mumbai, Vidyalankar institute of Technology.

All the students are hereby informed to attend the session.

**Subject Incharge**  
(Suvarna R.Bhise)



**PVPP'S**  
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DEPARTMENT OF  
ELECTRONICS AND TELECOMMUNICATION

Date: 10<sup>th</sup> Sept, 2019

To  
Dr, S. S. Thakur  
Chairman  
IETE, Mumbai.

*Subject : Invitation for Expert Talk to Final Year EXTC students*

*Respected Sir,*

*It gives me an immense pleasure to invite you as expert for delivering talk to second year students on "5-G Mobile Communication in association with IETE" on 20<sup>th</sup> Sept, 2019 at 10am. Your talk and hands on session will surely benefit to the students and they will apply the programming knowledge in their project development.*

*Thanking You.*

Dr. Pramod Bhavarthe

(HOD. EXTC DEPT)



**PVPP'S**  
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DEPARTMENT OF  
**ELECTRONICS AND TELECOMMUNICATION**

Date: 20<sup>th</sup> Sept, 2019

## Appreciation Letter

To,

Dr. S. S. Thakur  
Chairman  
IETE, Mumbai.

I appreciate the contribution of Dr. S. S. Thakur Chairman from Vidyalankar Institute of Technology, Mumbai. as a Speaker for the Expert Lecture on the topic **“5-G Mobile Communication in association with IETE”** for the subject of **“Mobile Communication”** for the students of **BE EXTC** of Vasantdada Patil Pratishthan's College of Engineering & Visual Arts, Sion, Mumbai on **20<sup>th</sup> September, 2019**. This Expert Lecture was a knowledgeable session about practical knowledge of 5-G Mobile Communication in association with IETE to make the students aware about efficient storage and retrieval of stored data without causing duplication/ redundancy of data which thereby received a very positive response from students.

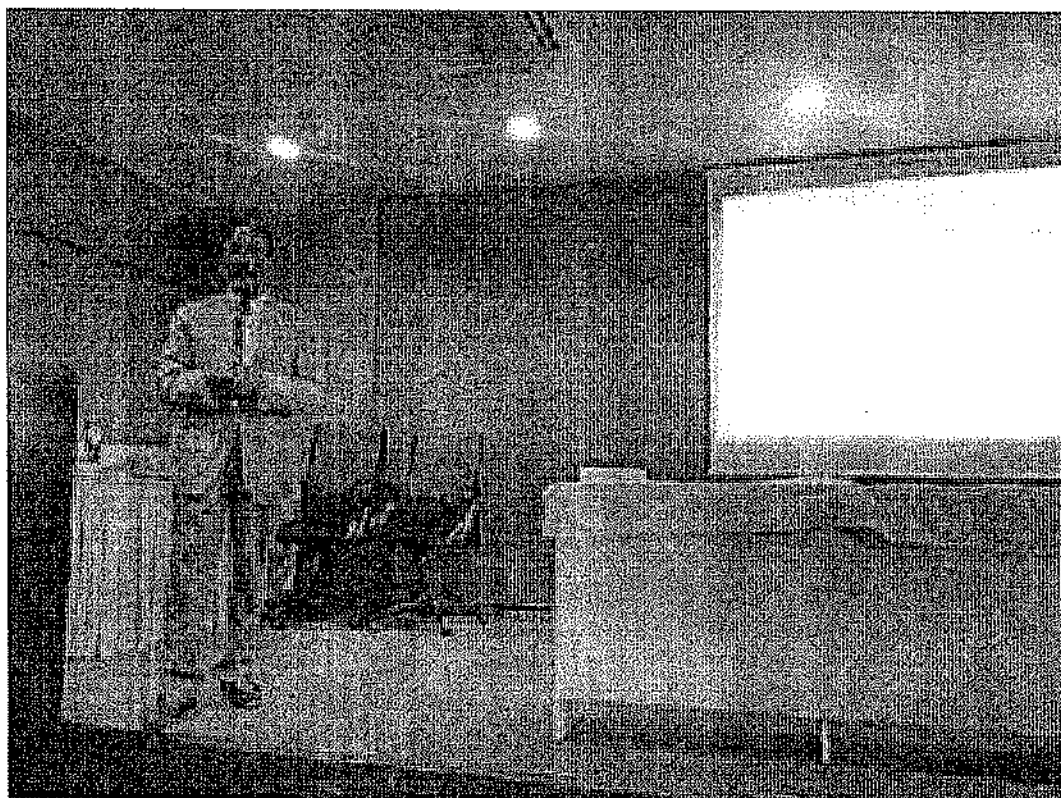
I appreciate the contribution of Dr. S. S. Thakur for his effective and interactive expert talk for students.

Dr. Pramod Bhavarthe

## **Expert Lecture -5G Mobile communication in association with IETE Mumbai Centre**

### **Report**

On September 20, 2019, the IETE Mumbai Centre organized a Technical lecture on **5G Mobile Communication** at PVPP College of Engineering, Mumbai in association with ISF there. The lecture is delivered by **Dr. S S Thakur**, Chairman IETE Mumbai. It has provided an opportunity for students to update themselves with the latest knowledge. Convener of the event **Prof Suvarna Bhise** invited Chief Guest of the function **Adv. Appasaheb Desai**, General Secretary, PVPP Trust, and **Dr. Alam Shaikh**, Principal, PVPPCoE on the dais along with Dr. Thakur and **Mr. Parag Walinjkar**, Hon. Secretary IETE Mumbai. She welcomes all the guests and members of the EC of IETE. Dr. Shaikh asked students to take advantage of the opportunity to interact with the speaker and understand the subject. Chief Guest **Adv. Desai** highlighted the need to conduct this kind of technical activities during the curriculum and ensured that management will always support IETE in such kind of programs. **Dr. S S Thakur** delivered a very crisp and highly informative and interactive lecture on 5G mobile communication. He covered previous generations of mobile communications, its specifications and limitations. He also touches upon how 5G technology may change the whole scenario in the Indian Industry. **Mr. Parag Walinjkar**, Honorary secretary of IETE Mumbai Centre proposed vote of thanks. The lecture is attended by more than 100 student participants, guests from Industry and ISF coordinators.



**Dr S S Thakur, Chairman IETE Mumbai delivering a technical Talk**





**Student participants and Delegates from IETE Mumbai Centre for IETE Technical Lecture**

**Prof. Suvarna Bhise**

**Sub. In-charge**



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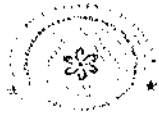
FINAL YEAR ELECTRONICS AND TELECOMMUNICATION ENGG.

Subject Name: -Mobile Communication

Expert Lecture Attendance on 20.09.2019

Sr. No.	ID No.	Student Name	Attendance
1	VU3F1112032	PATIL PREMKUMAR RAMCHANDRA CHANDRAKALA	<i>Patil</i>
2	VU3F1213055	KUNCHIKORVE SHANKAR SURESH	<i>Kunchikorve</i>
3	VU3F1213068	KOLEKAR SHITAL ARVIND KALPANA	
4	VU3F1314044	CHILE KETAN CHANDRAKANT REKHA	
5	VU3F1314064	SHINDE AKSHAY ANKUSH ANJANA	<i>Shinde</i>
6	VU3F1415016	NAGARE VISHAL RAMKRISHNA MIRA	
7	VU3F1516036	PATIL ROHIT CHANDRAKANT SUREKHA	
8	VU3F1415038	YADAV RAHUL RAJU LAKSHMI	
9	VU3F1516001	PARDESHI ASHWINI SURESH SEEMA	<i>Pardehi</i>
10	VU3F1516002	CHAUDHARI UNNATI DINKAR KISHORI	<i>Chaudhari</i>
11	VU3F1516003	DAS MOHIT BIJOY SEPHALI	
12	VU3F1516004	VAJE AKSHAY CHANDRAKANT CHANDRALATA	
13	VU3F1516005	RAJAK VIJAY OMPRAKASH SUDAMADEVI	<i>Rajak</i>
14	VU3F1516006	SHIRODKAR PRANALI SHEKHAR VEENA	
15	VU3F1516007	KHANDELWAL ROHAN SUNIL POONAM	
16	VU3F1516008	PAWAR AKANKSHA BHIMRAO MEENA	<i>Pawar</i>
17	VU3F1516009	DHULE SHUBHANGI CHANDRABHAN SUREKHA	
18	VU3F1516010	GOLE SUJATA HANUMANT SHARDA	<i>Gole</i>
19	VU3F1516015	KORADE NETRADEEP NARAYAN NEETA	
20	VU3F1516017	VISHWAKARMA AKASH SEVALAL GEETADEVI	<i>Vishwakarma</i>
21	VU3F1516018	KASHID SHWETA SUKHADEV ANITA	
22	VU3F1516021	SANAP JYOTI MADHUKAR YAMUNA	
23	VU3F1516023	DOHALE ANKITA ASHOK ARUNA	<i>Dohale</i>
24	VU3F1516024	SONAWNANE MANISH MACHHINDRA REKHA	
25	VU3F1516028	SHINDE TANMAY SANDEEP MANISHA	
26	VU3F1516029	SHAIKH ASAD FAIYAZ AHMADI	
27	VU3F1516032	SAHU SATYANARAYAN BHAGWAN NISHNU	<i>Sahu</i>
28	VU3F1516035	GAIKAR JANHAVI ANANT ANKITA	
29	VU3F1516037	VISHWAKARMA JAYDEEP SURAJ PARBHAWATI	
30	VU3F1516038	JARE AKASH SAHEBRAO RANI	<i>Jare</i>
31	VU3F1516039	SAWANT DEVESH PRADEEP PRITIKA	
32	VU3F1516040	NAVIK SHIVKUMAR RAMESHKUMAAR RADHADEVI	<i>Navik</i>
33	VU3F1516042	PATKAR GANDHAR SAMEER SARIKA	
34	VU3F1516043	JAKKULA RAKESH BHOJRAJ SHASHIKALA	
35	VU3F1516045	SAWANT SUCHIT RAMCHANDRA ANITA	
36	VU3F1516046	SAHU SHANKAR SUKARASAN SUNITA	
37	VU3F1516048	GOWDA SACHIN CHANDRASHEKAR	<i>Gowda</i>
38	VU3F1516051	SANAP PRIYANKA SUBHASH CHHAYA	
39	VU3F1516052	NAYAK PRATIBHA MADAN RENU	

40	VU3F1516056	DANDEKAR PRADNESH PRASHANT PRACHI	<u>Janu</u>
41	VU3F1516058	NIKAM VISHAL YUVRAJ PADMA	<u>Raj</u>
42	VU3F1516063	WEDHIKAR RAJ ARUN SUREKHA	
43	VU3S1314113	KAMBLE PANKAJ SANJAY KANCHAN	
44	VU3S1415009	PANCHAL SIDDHESH SHRIKANT SHUBHADA	
45	VU3S1415011	PHARANDE NIKHIL SHANTARAM KALPANA	<u>Nikh</u>
46	VU3S1415032	MORE APOORV SUDESH SUPRIYA	
47	VU3S1516002	JADHAV SADHANA DILIP PRANALI	
48	VU3S1516008	SINGH SAURABHKUMAR SANJAY	
49	VU3S1516014	ADATE PRATIK PRAKASH RANJANA	
50	VU3S1516019	SANGALE PRASAD BHAUNATH RANJANA	<u>Prasad</u>
51	VU3S1516030	MANALKAR AMAR VISHWANATH ANUSAYA	
52	VU3S1516031	PHALE MAYUR JANARDAN SHITAL	<u>Mayur</u>
53	VU3S1516035	NIMASE PRAGATI VASANT VAISHALI	
54	VU3S1516047	SONAWANE SUKHADA SUDHAKAR SANGITA	
55	VU3S1516065	BANE AKSHAY JAGDISH SHAILAJA	<u>Akshay</u>
56	VU3S1516071	RAKHUNDE VIJAY ISHWAR USHADEVI	
57	VU3S1516076	UDALA RAMKRISHNA VENKATAPPA	
58	VU3S1516083	PATKAR BHAGYESH DINESH GAURI	<u>Ramdev</u>



Date: 10/01/2019

## A Brief Report on

### AICTE, ISTE Approved One Week Workshop on "PC - HARDWARE, ADVANCE EXCEL & SOFT SKILL DEVELOPMENT"

**Duration:** 1<sup>st</sup> January to 5<sup>th</sup> January 2019.

**Participants:** Non teaching Staff members of PVPP's College of Engineering.

#### ➤ Workshop Objectives:

- Basic applications of Advance Excel.
- Use of Pivot charts & Arithmetic operations in Excel.
- PC Hardware & Troubleshooting.
- Concepts of Soft Skill Development.

#### ➤ Chief Patrons:

- Mr. Nandkumar Kabkar*  
1. *Dr. Manohar Bhalke*, (President, PVPPCOE)  
2. *Dr. Appasaheb Desai*, (General Secretary, PVPPCOE)  
3. *Shri. P. G. Desai*, (Executive Trustee, PVPPCOE)

#### ➤ Patron:

- *Dr. Vikram N. Shaikh* (Principal, PVPPCOE)

#### ➤ Chief Guest:

- *Dr. Abhinav Shah*, (HOID, EXTC, FCRIIT, Vashi, Navi-Mumbai).

#### ➤ Guest of Honor:

*Mr. Harshad Parmar* (CEO, MD, FAIR VALUE ACADEMY).

#### ➤ Convener:

1. *Mr. Pravin Shinde* ( Asst.Prof. I.T.)
2. *Mr. Ganesh Patil* ( Asst.Prof. EXTC)



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(F.No. 26/10291/AB, Dated 16/03/14 to 14/04/15)

➤ **Coordinators**

1. Mr. Shirish Patil
2. Mr. Aamod Kulkarni
3. Mr. Jaysing Shinde

➤ **Conduct:**

Total No. of Participants: 27



DAY 1 - 01/01/19 (Tuesday)

Venue: - Seminar Hall

**Session 1**

**Inauguration of STTP and Key Note Address:**

**Time: - 9:30 AM to 11:00 AM**

AICTE,ISTE Approved Workshop AICTE,ISTE Approved One Week Workshop (FH-2019) which was organized from 1<sup>st</sup> January to 5<sup>th</sup> Jan "PC HARDWARE, ADVANCE MS EXCEL & SOFT SKILL DEVELOPMENT" was designed to explore the knowledge of PC hardware & MS Excel among Non-teaching( Technical & Administrative) staff.

The One Week Workshop started with lighting of lamp by the chief guest, Dr. Milind Shah (HOD, EXTC, FCRIIT, Vashi), Keynote Speaker Mr. Hemant Parmar and Dr. Alam N. Shaikh (Principal & Campus Director, PVPPCOE) followed by singing of the Saraswati Vandana.

Before the welcome address by course coordinator, Dr. Alam N. Shaikh (Principal, PVPPCOE) felicitated Dr. Milind Shah (FCRIIT, Vashi), Mr. Shailesh Mokashi (Registrar, PVPPCOE) felicitated Mr. Hemant Parmar (MD, Fair Value Academy).

The session further continued with the address of our beloved Principal Dr. Alam N. Shaikh. He spoke about the initiatives of Workshop & also added that our college is pioneer to conduct Workshop for Non-Teaching staff members.

The last address of the session was Vote of Thanks given by Prof. V.L.Salke (HOD, EXTC, PVPPCOE) followed by National Anthem.



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[U.No. 18/1992-10/NEA, Dating 15/03/92 to 14-03-15]

**DAY 1 – 01/01/19 (Tuesday)**

**Venue: - (LAB-101) I.T. DEPT**

**Session 2**

**Time: - 11:15 am to 4.30 pm**

**Speaker: - Mr. Hemant Parmar**

**Topic Covered**

Hands on session by Mr. Hemant Parmar on

- Necessity of Advance Excel.
- Applications of Advance Excel.
- Utility in Academics & Industry.

**Session 3**

**Time: - 2:00 pm to 5:00 pm**

**Speaker: - Mr. Hemant Parmar**

**Topic Covered**

Hands on session by Mr. Hemant Parmar for advancement in MS EXCEL with examples given to solve for participants.

DAY 2 – 02/01/19 (Wednesday)  
Venue: - (LAB-101) I.T. DEPT.

Topic Covered

- Mr. Hemant Parmar continued with MS EXCEL with utility of Pivot charts.
- Basic multiplication & division in EXCEL with examples.
- Conclusion of topic with Questions- Answers session.





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WILSON COLLEGE, ABHAYNAGAR, MUMBAI UNIVERSITY  
SIX, VISHVAKARMA COMPOUND, U.T.S. EXT. & IT DEPARTMENT  
[E-MAIL: COLLEGE@PVPATIL.COM, PHONE: 1500332 TO 1400331]

**DAY 3 – 03/01/19 (Thursday)  
Venue: - (LAB-101) I.T. DEPT.**

**Speaker: - Mr. Rajendra Jadhav( Saraswati Eden. Complex, Kharghar)**

Mr. Rajendra Jadhav started the day with following Contents:

- Introduction to PC hardware & troubleshooting.
- How to Install Operating System in PC.
- Update of knowledge of advanced generation of PC.
- Basic troubleshooting of devices in PC.
- Installation of Windows7 & formatting of PC.
- Conclusion with queries in PC hardware & troubleshooting.

**DAY 4 – 04/01/19 (Friday)  
Venue: - (LAB-101) I.T. DEPT.**

**Speaker: - Mr. Hemant Parmar.**

Mr. Hemant Parmar started the day with following contents & their demonstrations:

- Need of soft skill development.
- Individual personality development with illustrations on progress in intellect.
- Conclusion of session with queries & solutions



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 [ F.No. 28 110/2010 NBA, During 15/03/12 to 14/03/15 ]

## Schedule of FDP on "Research Methodology, Research Proposal writing and hands on Latex" (27<sup>th</sup> June – 1<sup>st</sup> July, 2018)

Day/ Date	Time	Event (Venue)	Topic	Resource Person
Wednesday 27 <sup>th</sup> June 2018	9:00 am - 10:00 am	Registration and Breakfast		
	10:00 am – 11:00 am	Inauguration and key note addressing Session 1, Dr. Surendra S. Rathod @ (Seminar Hall 215)		
	11:30 am – 1:00pm	Session 2 (215)	Research Methodology with special case	Dr. Surendra S. Rathod
	1:00pm - 2:00pm	Lunch Break		
	2:00pm – 4:00pm	Session 3 (215)	Research Methodology with special case	Dr. B. G. Hogade (Professor, TEC)
Thursday 28 <sup>th</sup> June 2018	10:00 am – 11:30 am	Session 1 (215)	Research Methodology with special case	Dr. Kushal Tuckley (IIT B, AVG Systems)
	12:00 pm – 1:00 pm	Session 2 (215)	Research in international universities and Research Methodology	Dr. Pramod K B Rangaiah
	1:00pm - 2:00pm	Lunch Break		
	2:00pm – 4:00pm	Session 3 (215)	Research Methodology with special case	Prof. NilimaZade
Friday 29 <sup>th</sup> June 2018	10:00 am – 1:00 pm	Session 1 (205 Lab)	Hands on Latex	Prof. Suvarna Bhise
	1:00pm - 2:00pm	Lunch Break		
	2:00 pm – 4:00 pm	Session 2 (205 Lab)	Hands on Latex	Prof. Pramod Bhavarthe
Saturday 30 <sup>th</sup> June 2018	10:00 am – 1:00 pm	Session 1 (205 Lab)	Hands on Latex	Prof. Suvarna Bhise
	1:00pm - 2:00pm	Lunch Break		
	2:00 pm – 4:00 pm	Session 2 (205 Lab)	Hands on Latex	Prof. Pramod Bhavarthe
Sunday 1 <sup>st</sup> July 2018	10:00 am – 1:00 pm	Session 1 (205 Lab)	Hands on Latex	Prof. Suvarna Bhise
	1:00pm - 2:00pm	Lunch Break		
	2:00 pm – 4:00 pm	Session 2 (205 Lab)	Hands on Latex	Prof. Pramod Bhavarthe



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[V.No. 29/110/2010 NDA, During 15/03/12 to 14/03/15]

**ISTE approved FDP on "Research Methodolgy, Research Proposal writing  
and hands on Latex"**  
(27<sup>th</sup> June to 1<sup>st</sup> July 2018)


**Final Report**

Electronics & Telecommunication Engineering and Electronics Engineering Departments had organized one week FDP on "Research Methodolgy, Research Proposal writing and hands on latex" at PVPPCOE, Mumbai from 27th June to 1st July 2018. The FDP was convened by Dr. Pramod K B Rangaiah and Prof. Pramod Bhavarthe. There were 55 participants from Academia.

First day had three sessions. They were conducted by Dr. Surendra Rathod and Dr. B.G. Hogade. The second day session was conducted by Dr. Kushal Tuckley, Dr. Pramod K B and Prof. Nilima Zade. Session on third, fourth and fifth day was handled by Prof. Suvama Bhise and Prof. Pramod Bhavarthe on gave hands on training on Latex.

The FDP was jointly inaugurated with under address by Dr. Alam N. Shaikh, Principal, PVPPCOE. The function was graced by Dr. Surendra Rathod. The participants' feedback was taken for every session and it ranges from 75% to 90 % in terms of quality, information contents and relevance to applications, hospitality and help from staff.

Valedictory function was addressed by Principal & Campus Director, Dr. Alam N. Shaikh and vote of thanks was proposed by Prof. Vijay Salke,, HOD of EXTC Dept.

  
Prof. Suvama Bhise  
Convener

Prof. V.L. Salke  
Vice Principal & HOD- EXTC

Dr. Alam N. Shaikh  
Principal & Campus Director



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[F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15 ]

Date: 08/07/2018

**A Brief Report on  
AICTE-ISTE Approved One Weeks Short Term Training Program (STTP)**

**Event Details: AICTE-ISTE Approved One Weeks Short Term Training Program (STTP) on  
"Advance Trends in Information Technology".**

**Duration:** 2<sup>nd</sup> July to 6<sup>th</sup> July 2018.

**Participants:** Faculty from PVPP College of Engineering (Computer & IT Department)

**> Chief Patrons:**

1. Smt. Ashalata Manohar Phalke, (President, PVPPCOE)
2. Sr. Adv. Appasaheb Desai, (General Secretary, PVPPCOE)
3. Shri. P. G. Desai, (Executive Trustee, PVPPCOE)


**> Patron:**

1. Dr. Alam N. Shaikh (Principal, PVPPCOE)


**> Chief Guest:**

1. Dr. M. Sasikumar (Senior Director, CDAC Mumbai Division)

**> Conveners:**

1. Dr. Mahavir A. Devmane (HOD, Computer) 
2. Mrs. Supriya Chaudhary (HOD, IT)

**> Coordinators:**

1. Dr. Seema Ladhe
2. Prof. Prachi Kshirsagar
3. Prof. Sachin Barahate 

**> Conduct:**

Total No. of Participant: 33



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### **➤ STTP Objectives:**

- Learn advance trends in Computer and Information Technology.
- To motivate the participants towards Research and Development.
- To create interest among participants towards IoT, QoS, WSN, IR.
- To expand the knowledge in IoT to use it for further research.
- To expand the knowledge in QoS to use it for further research.
- To expand the knowledge in WSN to use it for further research.
- To expand the knowledge in IR to use it for further research.
- To expand the knowledge in Python to use it for further research.

### **➤ Expected STTP Outcome:**

Participants will be able to:

- Understand advance trends in Research and Development.
- Understand the outlining features of IoT and its use in research.
- Understand the current research issues in Network Traffic Engineering and Quality of Service.
- Understand the outlining features of WSN and its use in research.
- Understand the outlining features of IR and its use in research.
- Understand the advance features of Python and its applications.
- Perform data extraction and analysis with Machine Learning.
- Perform statistical analysis on variety of data.
- Use open source language in analysis and research.



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[F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15 ]

**DAY 1 - 02/07/18 (Monday)**

**Venue: - Computer Centre (CC -001)**

**Session 1**

**Inauguration of STTP and Key Note Address:**

**Time: - 9:30 AM to 11:15 AM**

The One Week AICTE-ISTE Approved Short Term Training Program (STTP-2018) which was organized from 2<sup>nd</sup> July to 6<sup>th</sup> July 2018 on "Advance Trends in Information Technology" was designed to explore the Advances Trends in Research and Development.

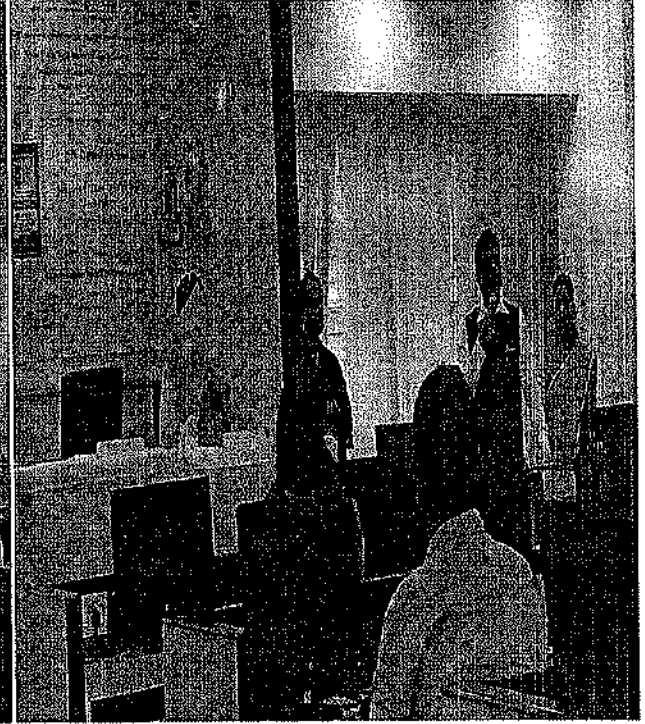
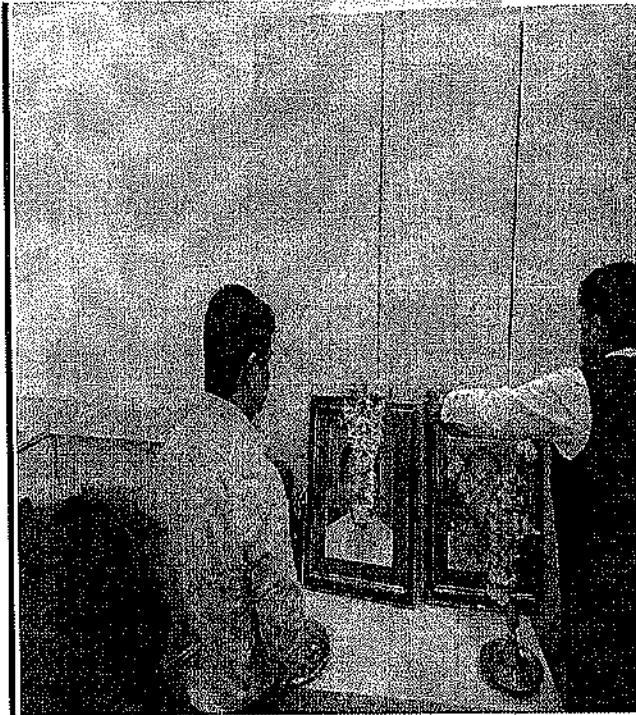
The One Week Short Term Training Programme (STTP-2018) started with lighting of lamp by the chief guest, Dr. M. Sasikumar (Senior Director, CDAC Mumbai Division) and Dr. Alam N. Shaikh (Principal, PVPPCOE) followed by the singing of the Saraswati Vandana. Before the welcome address by course coordinator, Dr. Alam N. Shaikh (Principal, PVPPCOE) felicitated Dr. M. Sasikumar (Senior Director, CDAC Mumbai Division). A heart-warming welcome remark was delivered by Prof. Smruti Patil (Organizing Committee member of STTP 2018) and the session further continued with the address of Dr. Seema Ladhe (Coordinator of STTP 2018), who enlightened the importance and contents of the training program. The session further continued with the address of Dr. M. Sasikumar (Senior Director, CDAC Mumbai Division), who enlightened the participants about the importance of such training programs and how such programs help in developing Research and Development (R&D) culture in educational institutes. He even mentioned that the primary objective of this endeavor is to inculcate and nurture the culture of research amongst all of us and also guided us in how to integrate research in academics and session further continued with the address of our Principal Dr. Alam N. Shaikh, he spoke about the initiatives of AICTE-ISTE Approved STTP, the different programs conducted by them and encouraged participants to come forward and contribute effectively in such programs.

The last address of the session was Vote of Thanks given by Dr. Mahavir A. Devmane (HOD, Computer PVPPCOE).



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**DAY 1 - 02/07/18 (Monday)**  
**Venue: - Computer Centre (CC -001)**

### **Session 2**

**Time: - 11:30 am to 1:00 pm**

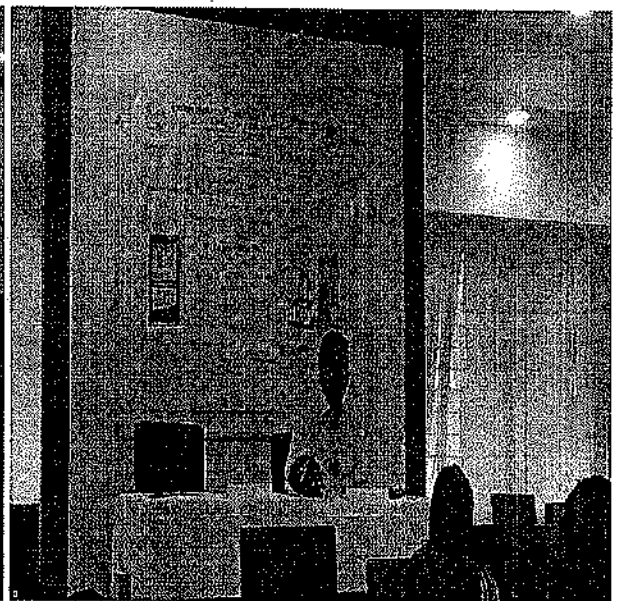
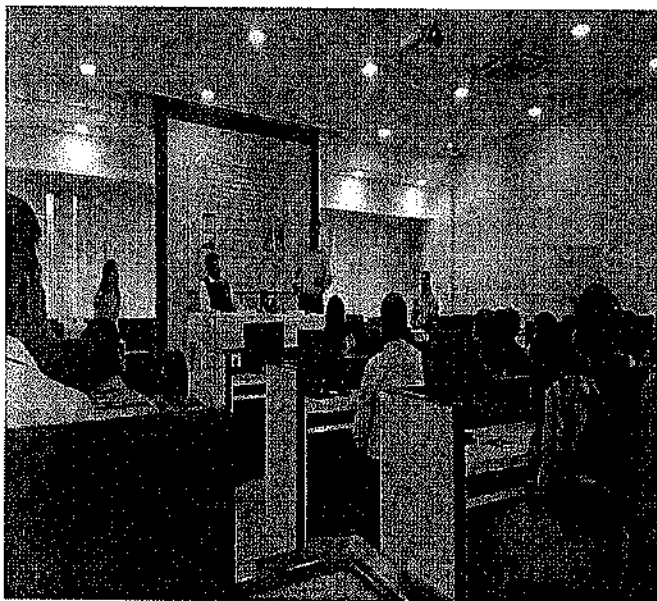
**Speaker: - Dr. M. Sasikumar (Senior Director, CDAC Mumbai Division)**

**Profile: - Dr. M. Sasikumar, has completed his B.Tech from IIT Kharagpur, M.Tech from IISc Bangalore and PhD from Bits Pilani.**

### **Topic Covered**

Session started by Dr. M. Sasikumar, he enlightened the participants with New Trends in Artificial Intelligence, Research & Development such as:

- Background
- But what is AI?
- AI Problems
- AI Approach
- Representing Knowledge
- Knowledge Acquisition Challenge
- Why can't these machines learn?
- Machine Learning
- Statistical Machine Learning
- Where is DATA?
- Data, Data everywhere
- Better computational power
- New generation ML
- Applications
- AI system







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### Session 3

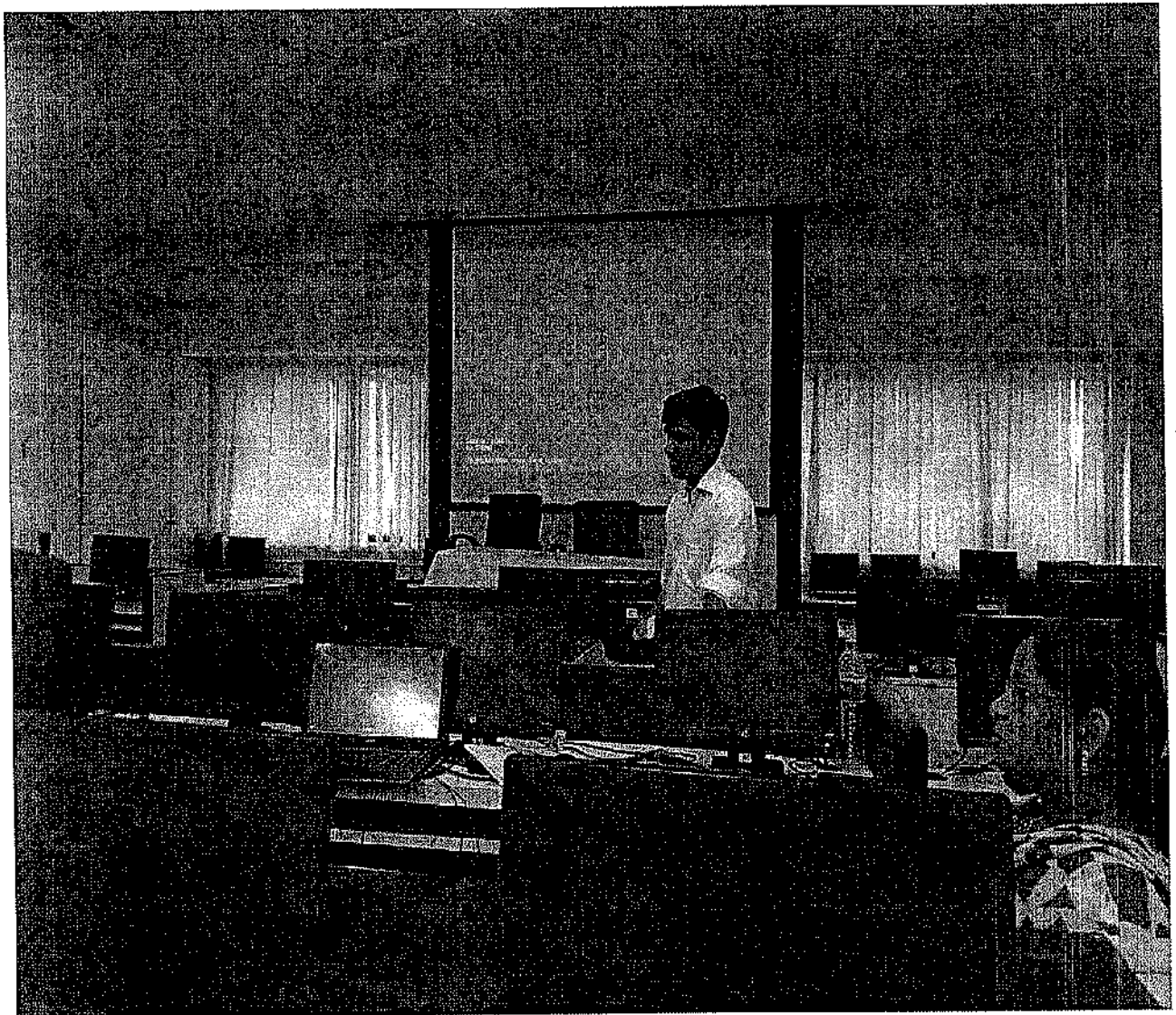
**Time:** - 2:00 pm to 5:00 pm

**Speaker:** - Prof. Pramod Bhavarthe

**Profile:** - Prof. Pramod Bhavarthe, has completed his BE(EXTC),ME(EXTC), Pursuing PhD and area of interest in Signal Processing, Random Signal Analysis, Antenna.

### Topic Covered

Session further continued by Prof. Pramod Bhavarthe, He had given Hands-on training on Basic Document Creation and formatting using Latex.





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[F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15 ]

**DAY 2 - 03/07/18 (Tuesday)**  
**Venue: - Computer Centre (CC -001)**

## **Session 1 & 2**

**Time: - 09:30 am to 1:00 pm**

**Speaker: - Dr. Avinash More (Associate Prof. in NMIMS University)**

**Profile: - Dr. Avinash More, has completed his B.Tech from Pune University, M.Tech & PhD from NMIMS University. He has total 15 years of experience and he is guiding two students in the area of WSN for their research.**

### **Topic Covered**

Session started by Dr. Avinash More, He enlightened the participants with the following topics such as:

- Introduction of WSNs
- Few terminologies in WSNs
- Applications
- Characteristics and preliminaries
- key constraints in WSNs
- Areas which are most promising
- Open issues and future research directions
- Real time case studies
- What are the potential barriers to growth?
- Role of Computational Intelligence (CI)
- Conclusion
- References





# Padmabhushan Vasantdada Patil Pratishthan's College of Engineering

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## Session 3

**Time:** - 2:00 pm to 5:00 pm

**Speaker:** - Dr. Seema Ladhe (Professor in IT Dept, PVPPCOE )

**Profile:** - Dr. Seema Ladhe, has completed her B.E, M.Tech & PhD in Computer Engineering. Her area of specialization is Network Traffic Engineering and Quality of Service. She has 15 paper publications. Her work experience is above 15 years. She is Approved PG Guide for Computer Engineering and she has guided 10 ME Students. She is also reviewer for many International Conferences.

## Topic Covered

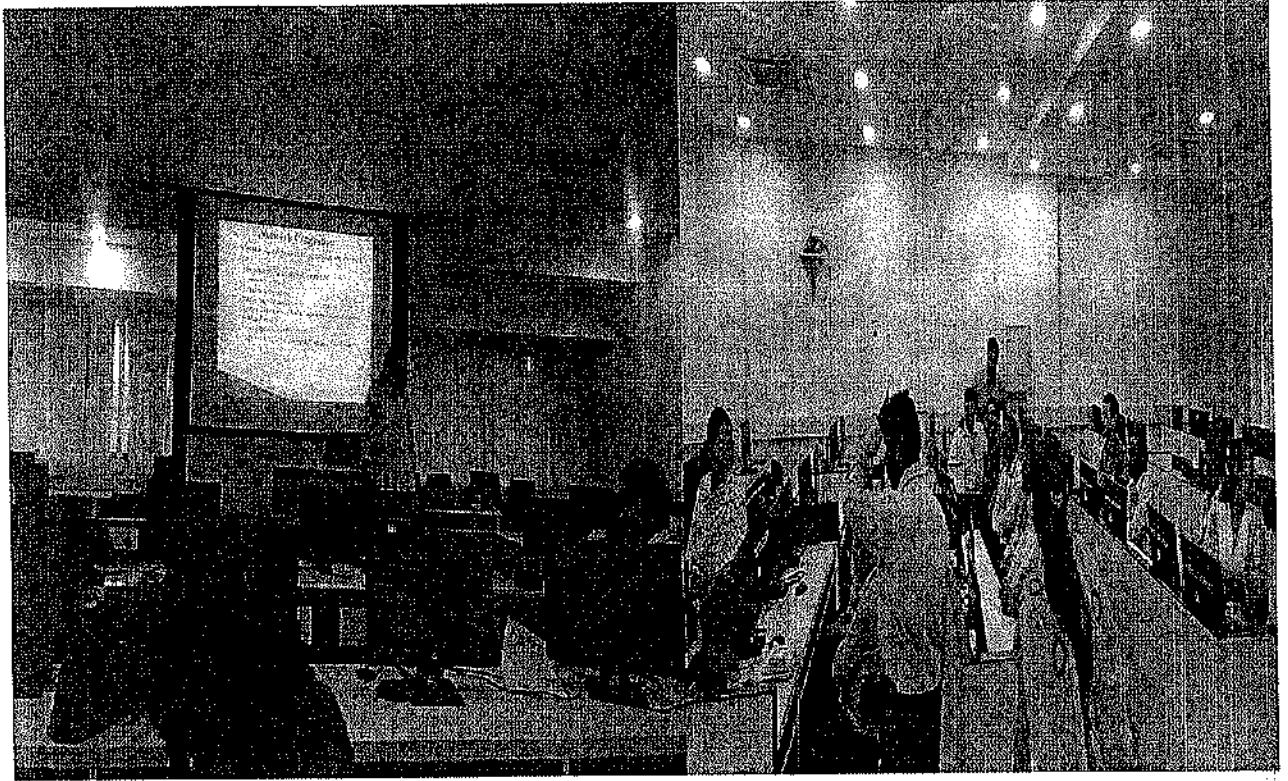
Session further continued by Dr. Seema Ladhe, She enlightened the participants with the following topics such as:

- Relevance of the topic with the Academic & Research activities
- Significance of topic in the context of current status
- Introduction
- Network Congestion
- Quality of Service
- Traffic Engineering
- Traffic Engineering with Layer 3
- Motivation
- Conventional IP Forwarding and introduction to MPLS
- MPLS
- Traffic Engineering with MPLS, MPLS-TE
- Research area in MPLS
- MPLS-based Fault Tolerance
- MPLS-based Recovery Schemes
- Next Generation Network-Software Defined Network (SDN)
- SDN Routing and Forwarding
- Research directions in TE for SDN
- References



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[F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15 ]

**DAY 3 - 04/07/18 (Wednesday)**

**Venue: - Computer Centre (CC -001)**

**Time: - 9:30 pm to 5:00 pm**

**Speaker: - Mr. Kuldeep Singh**

**Profile: - Mr. Kuldeep Singh, worked as faculty since 15 years. He is certified in Oracle & .net. He is teaching Hadoop since 3 years. He has successfully conducted FDP for TASK (Telangana Skill Development Council) for 48 faculties in Hadoop.**

### **Topic Covered**

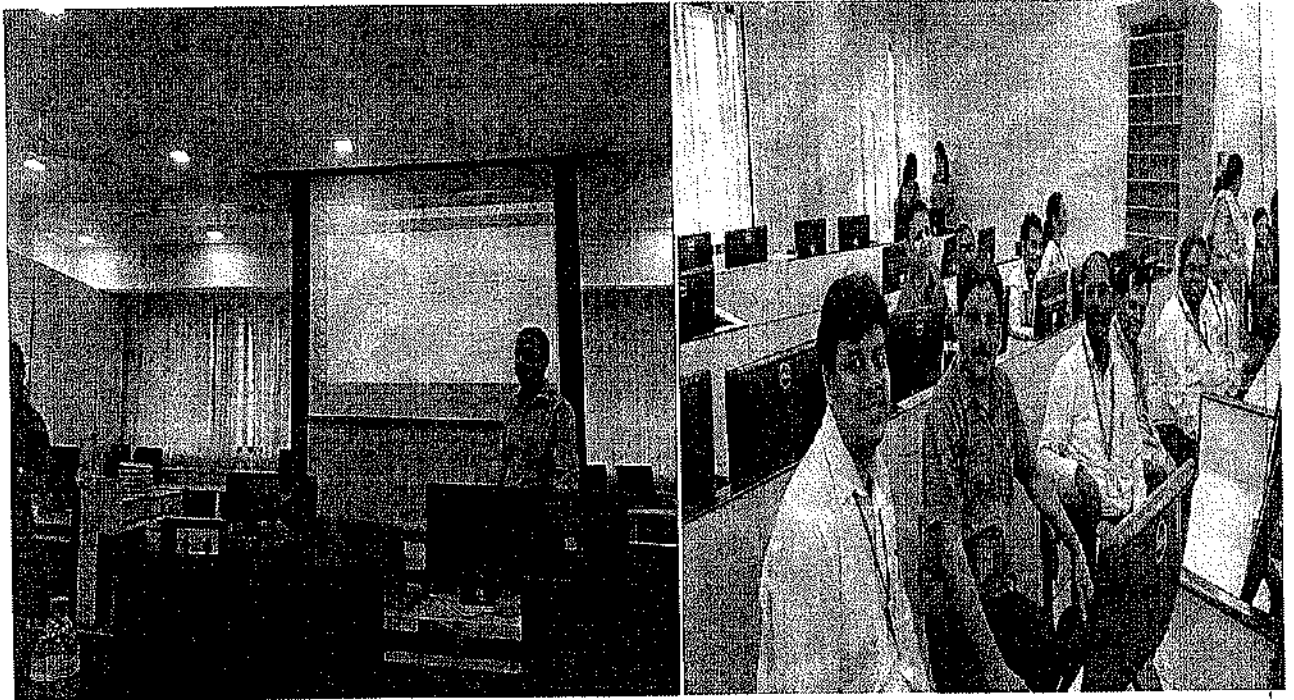
Day started with Hands on session by Mr. Kuldeep Singh on

- Introduction to Python.
- Introduction to Data Science using Python
- How to install Python
- Basics of Python language with examples
- NumPy, Pandas, and Matplotlib
- Linear Algebra Essentials
- Python for Data Analysis
- Exploratory analysis in Python using Pandas
- Quick Data Exploration
- Distribution analysis
- Building a Predictive Model in Python
- Use the IPython interactive shell as your primary development environment
- Learn basic and advanced NumPy (Numerical Python) features
- Get started with data analysis tools in the pandas library
- Use high-performance tools to load, clean, transform, merge, and reshape data
- Create scatter plots and static or interactive visualizations with matplotlib
- Apply the pandas group by facility to slice, dice, and summarize datasets
- Measure data by points in time, whether it's specific instances, fixed periods, or intervals
- Learn how to solve problems in web analytics, social sciences, finance, and economics, through detailed examples.
- Introduction to Hadoop.
- Install and work with a real Hadoop installation right on your desktop with Hortonworks and the Ambari UI.
- Manage big data on a cluster with HDFS and MapReduce
- Write programs to analyze data on Hadoop with Pig and Spark
- Store and query your data with Sqoop, Hive, MySQL, HBase, Cassandra, MongoDB, Drill, Phoenix, and Presto
- Design real-world systems using the Hadoop ecosystem.



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{F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15 }

**DAY 4 – 05/07/18 (Thursday)**

**Venue: - Computer Centre (CC -001)**

**Session 1 & 2**

**Time:** - 09:30 am to 1:00 pm

**Speaker:** - Dr. Sangita Chaudhary (Prof. & HOD IT, A C Patil COE Kharghar)

**Profile:** - Dr. Sangita Chaudhary, has completed her PhD from IIT Bombay. She is recognized PhD Guide in Mumbai University. She is having 16 years of teaching experience and she has received 5 best paper awards. Her research interest are digital Image Processing, Computer Network, Advance DBMS, GIS, IS, High Performance Computing etc. she is also reviewer for many International Conferences and Journals.

**Topic Covered**

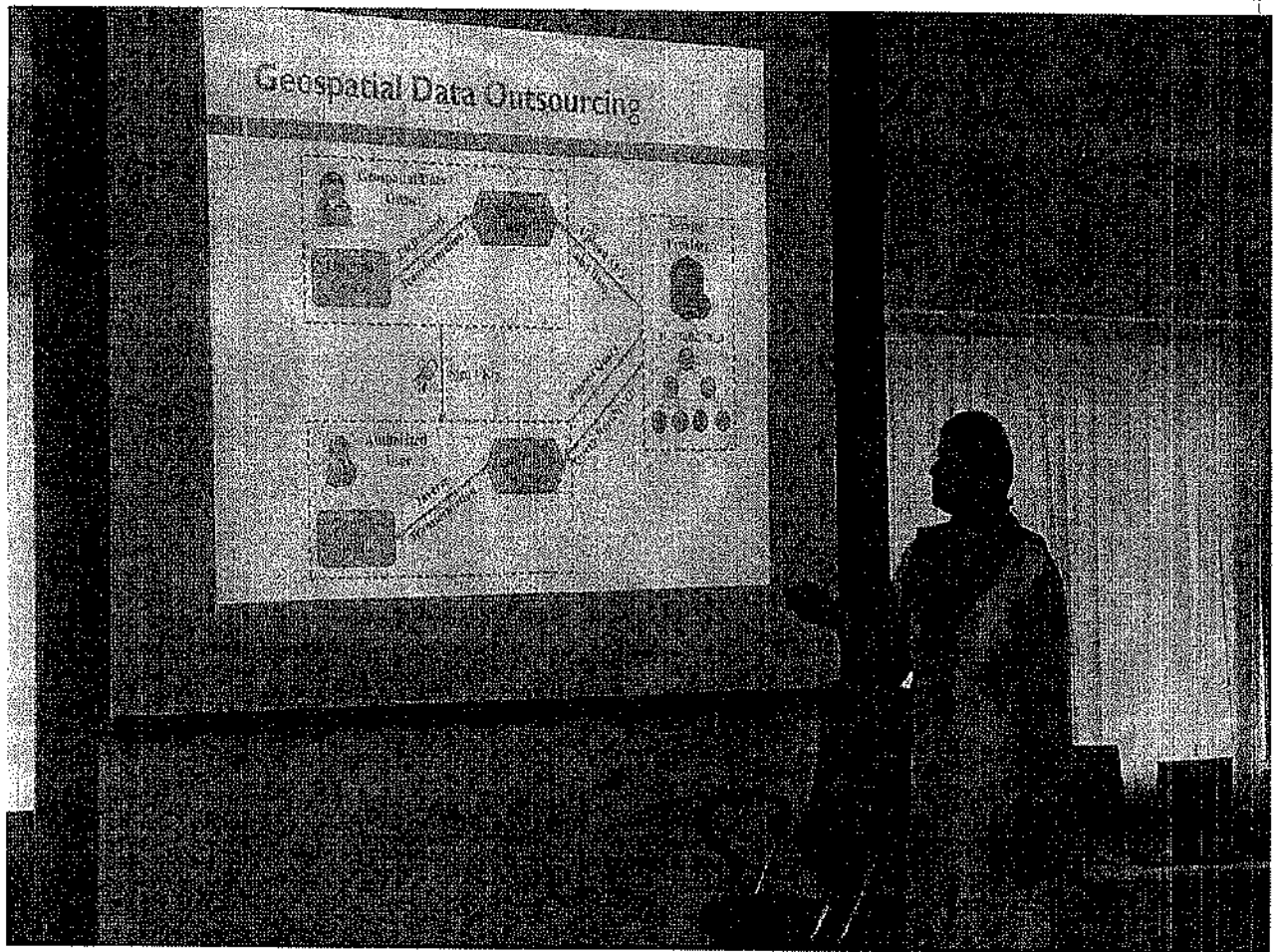
Session started by Dr. Sangita Chaudhary, She enlightened the participants with the following topics such as:

- Introduction to Data( Information ) Security
- Geospatial Information System
- Concepts of Geospatial Information System such as:
  - ❖ Geospatial Vector Data
  - ❖ Why Geospatial Data matters?
  - ❖ Geospatial Data view privileges
  - ❖ Geospatial Data- Threats
  - ❖ Geospatial Data Security Needs
  - ❖ Geospatial Data Security
  - ❖ Geospatial Data Security Approaches
  - ❖ Watermarking Types
  - ❖ Digital Watermarking Types
  - ❖ Fragile Watermarking
  - ❖ Purposes of Watermarking
  - ❖ Watermarking Requirements
  - ❖ Geospatial Data Security Requirements
  - ❖ Geospatial Vector Data- Evaluation
  - ❖ Robustness Evaluation
  - ❖ Classification Accuracy
- Geospatial Data Outsourcing
- Digital Image Security
- Image Tampering
- Research Directions



## Padmabhushan Vasantdada Patil Pratishthan's College of Engineering

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### Session 3

**Time:** - 2:00 pm to 5:00 pm

**Speaker:** - Mrs. Prachi Kshirsagar (Associate Professor in IT Dept, PVPPCOE)

**Profile:** - Mrs. Prachi Kshirsagar, has completed her B.E from SRTM University, M.E from Mumbai University in Computer Engineering. Her area of specialization in Data Mining and Artificial Intelligence. She has 15 paper publications. She is having 16 years of experience in academics. She is also Member of syllabus Setting Committee.

### Topic Covered

Session further continued by Mrs. Prachi Kshirsagar, She enlightened the participants with the following topics such as:

- Introduction
- RS Workshop and Conferences
- Mathematical Base
- Covering Research Areas

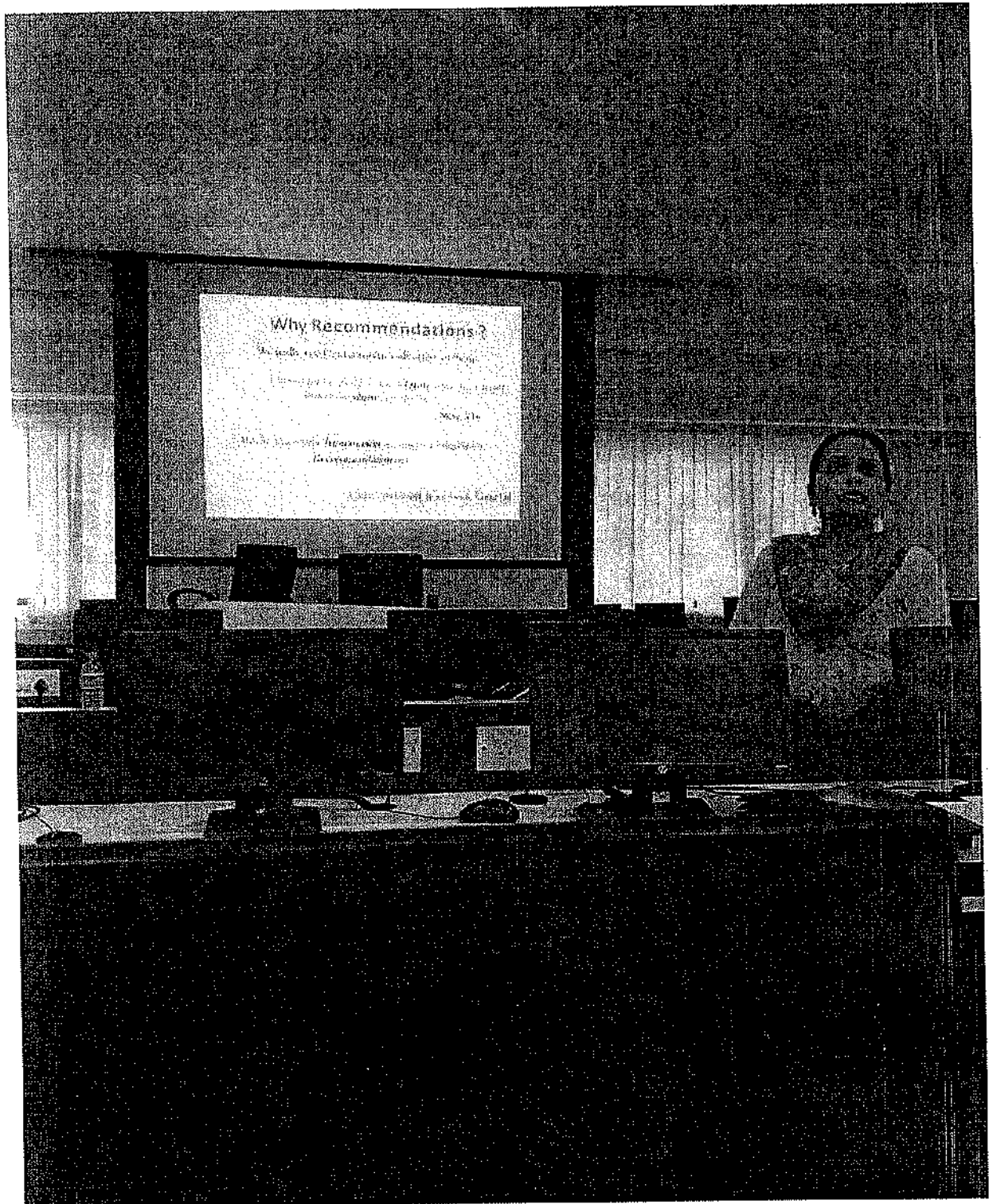




# Padmabhushan Vasantdada Patil Pratishthan's College of Engineering

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- Recommendation Techniques
- Challenges of RS
- Cross-Domain Recommendations
- Research Directions





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[F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15 ]

**DAY 5 - 06/07/18 (Friday)**

**Venue: - Computer Centre (CC -001)**

## **Session 1**

**Time: - 9:30 am to 11:00 pm**

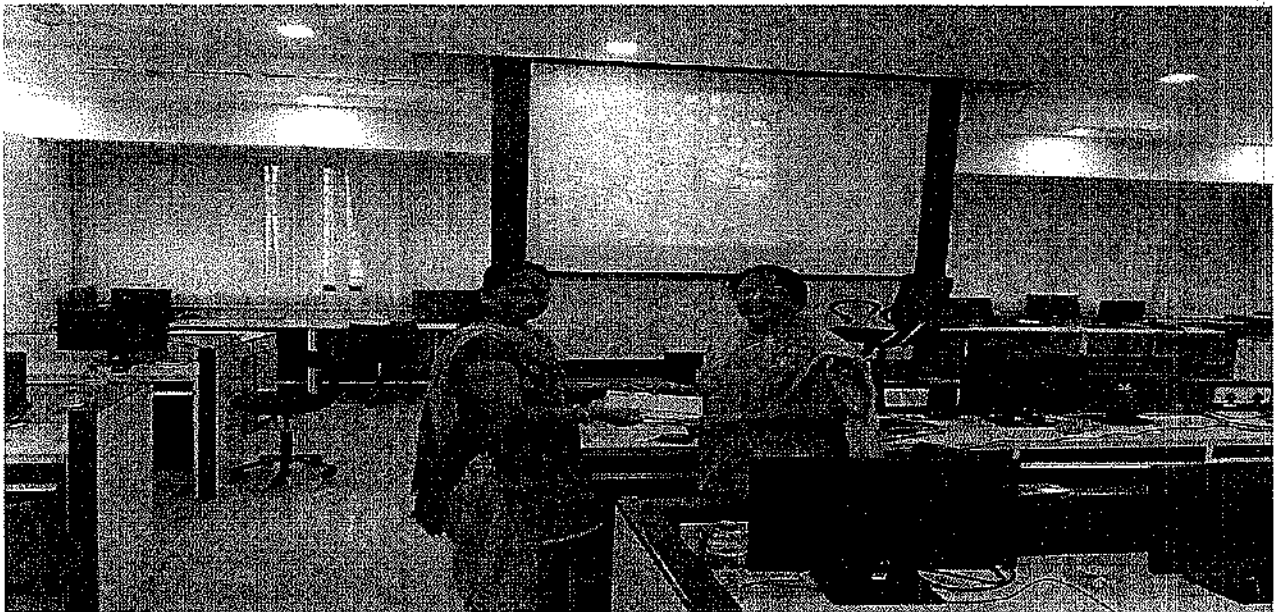
**Speaker: - Dr. Gresha Bhatia (Deputy HOD, Computer Engineering Dept, VESIT)**

**Profile: - Dr. Gresha Bhatia, has completed her B.E in CMPN, M.E in INFT & PhD in Technology. Her area of specialization is Deep Learning, Machine Learning and Data Mining. She is having 22 years of experience in academics.**

## **Topic Covered**

Dr. Gresha Bhatia started the session by following topics such as:

- RESEARCH – A Walk through
  - ❖ Definition of research
  - ❖ Reason for doing research
  - ❖ Aim of doing research
- Introduction
  - ❖ Definition
  - ❖ Types of research
  - ❖ Research Steps
- Research work Carried out
- Mapping the research to other domains
  - ❖ Image Processing
  - ❖ Machine Learning
  - ❖ Big Data & IoT
- Conclusion





# Padmabhushan Vasantdada Patil Pratishthan's College of Engineering

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(F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15 )

## Session 2

**Time:** - 11:30 pm to 1:00 pm

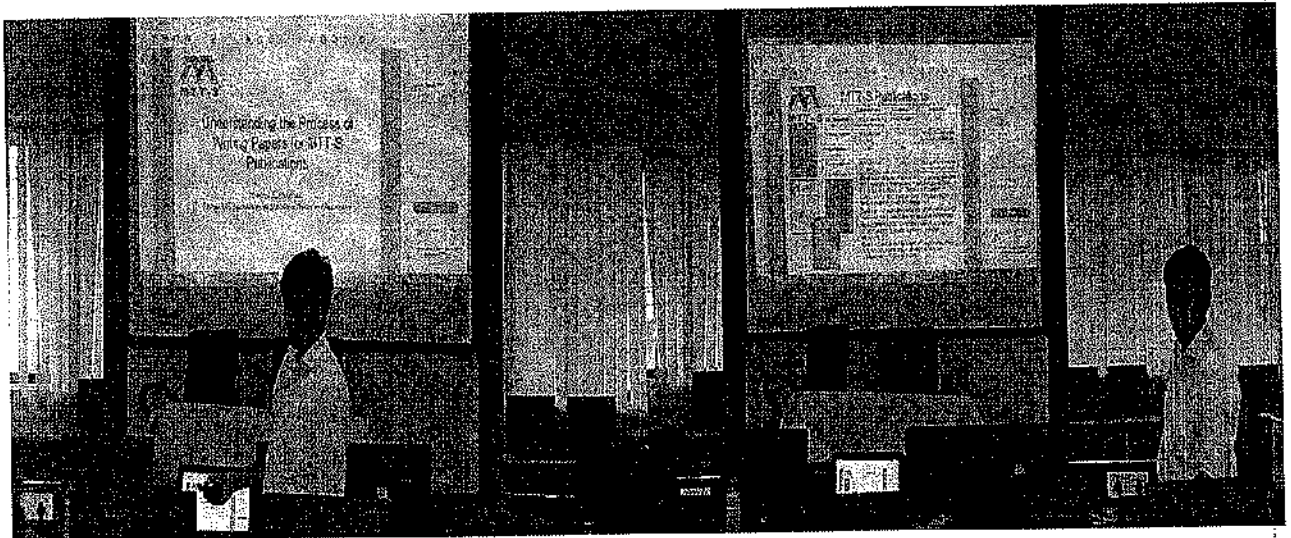
**Speaker:** - Prof. Pramod Bhavarthe

**Profile:** - Prof. Pramod Bhavarthe, has completed his BE(EXTC),ME(EXTC), Pursuing PhD and area of interest in Signal Processing, Random Signal Analysis, Antenna.

### Topic Covered

Session further continued by Prof. Pramod Bhavarthe, He enlightened the participants with the following topics such as:

- Understanding the Process of Writing Papers for MTT-S Publication.
- MTT-S Publication
- Why Publish with IEEE / MTT-S Journals
- Why Write Papers in MTT-S Journals
- Why Publish with IEEE / MTT-S Journals
- Why Write Papers in MTT-S journals
- Paper Writing / Approval Process
- Observations Related to Paper Returns
- Reasons for Rejection of Reviewed Papers
- Reasons for Rejection
- Writing the Paper
- Organization of Paper
- Before Submission
- Submit Papers
- Letter from Editor after Review
- Reviewers Comments
- Author's Reply with Resubmission
- If Paper is Rejected
- Conclusions
- Warning





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[F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15 ]

**DAY 5 - 06/07/18 (Friday)  
Valedictory Function**

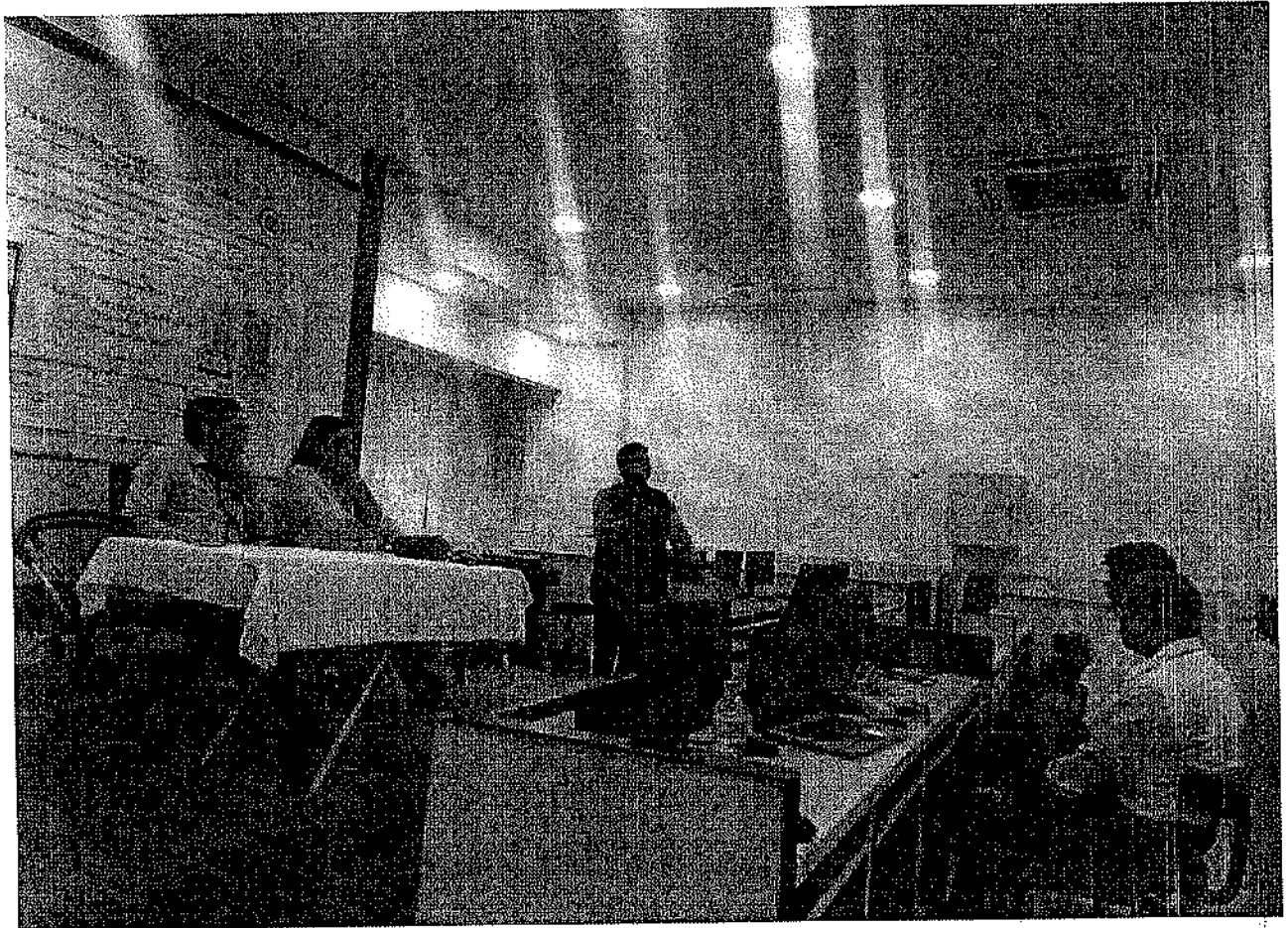
**Venue: - Computer Centre (CC -001)**

**Time: 2:00PM to 5:00PM**

The program ended with the valedictory function which was graced with the presence of Dr. Alam N. Shaikh (Principal, PVPPCOE), Dr. Mahavir A. Devmane (HOD Computer, PVPPCOE) and Dr. Seema Ladhe (Professor in IT Dept, PVPPCOE).

Dr. Alam N. Shaikh (Principal, PVPPCOE), in his valedictory talk, started with congratulating coordinators and organizing committee for the successful conduct of STTP-2018. He also explained the importance of "Advance Trends in Information Technology" to enhance research culture in this institute. He emphasized the need of such programs as they provide a unique opportunity to explore the boundaries of what is currently known in various domains of Engineering and Technology, through a range of research experiences. He also mentioned that such programs provide a common platform to discuss and learn new methodology to upgrade ourselves.

The function ended with a Vote of Thanks presented by Dr. Seema Ladhe (Professor in IT Dept, PVPPCOE Mumbai).

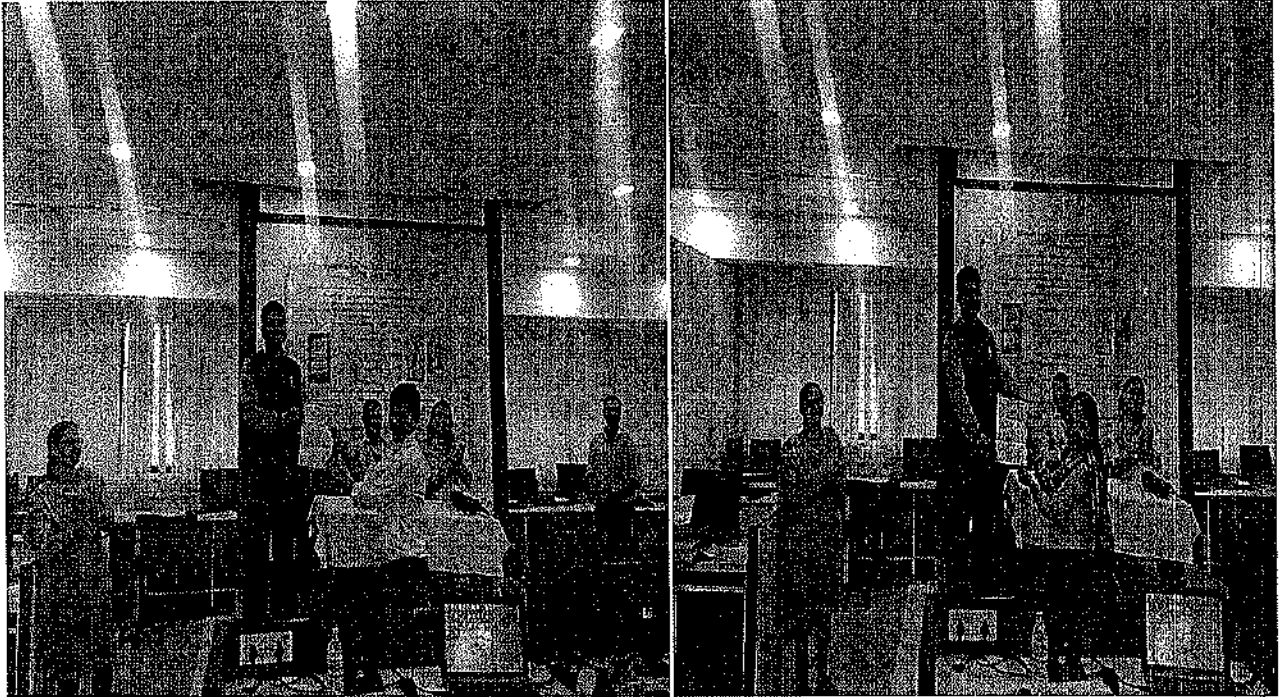




# Padmabhushan Vasantdada Patil Pratishthan's College of Engineering

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Valedictory function was further conducted with the distribution of certificates to the participant's.



The Valedictory function concluded with singing of the National Anthem.



7 Jan 2019

A Brief Report on

**IETE Approved One Week Short Term Training Program (STTP)**  
on  
**“Recent Trends For Research In Electronics & Communication”**

**Duration:** 1<sup>st</sup> Jan 2019 to 5<sup>th</sup> Jan 2019**Participants:** Faculty from AICTE approved engineering colleges.**STTP Objectives:**

- **Hands on Experience:** Provide participants with practical training and hands on experience with state of art tools ,software and hardware used in current research in electronics and communication
- Encourage Interdisciplinary collaboration by showcasing how recent trends in electronics and communication intersect with each other fields such as computer science and robotics and renewable energy.

**STTP Expected Outcome:**

- Increased focus on emerging technologies such as IoT, AI, and 5G in electronics and communication research.
- Research into improving efficiency and performance of communication systems, such as developing advanced signal processing algorithms.
- Increased collaboration between different disciplines such as computer science, electrical engineering, and mathematics for addressing complex challenges in the field.
- Development of new materials and devices for improving the functionality and reliability of electronic devices.

**Chief Patrons:**

- Sr. Adv. Appasaheb Desai, (General Secretary, PVPPCOE)
- Shri. Nandkumar M.Katkar

**Patron:**

- Dr. Alam N. Shaikh, Principal
- Mr. Varun Desai ,Registrar



**Speaker:**

**Dr.Pramod Bhavarthe**  
**Dr.Subhash K .Shinde**  
**Dr.Suvarna Bhise**  
**Dr.Mahavir Devmane**  
**Dr.Alam N. Shaikh**  
**Dr.Dhanajay Kalbande**

**Convener:**

- Dr.Suvarna Bhise

**Coordinators:**

- Dr.Suvarna Bhise

**Conduct:**

Total No. of Participants: ( Faculty: 22 )

**Venue: Lab 205 Simulation Lab**



**DAY 1 – 01/01/2019 (Tuesday)**

**Venue: - Auditorium (216)**

**Inauguration of STTP and Keynote Address**

**Session 1**

One Week AICTE and ISTE Approved Short Term Training Program (STTP-2019) was organized from 1<sup>st</sup> Jan to 5<sup>th</sup> Jan 2023 on the topic "Recent Trends For Research In Electronics & Communication"

The programme started with lighting of lamps by the guest, Dr.Dhanajay Kalbande

and Dr. Alam N. Shaikh (Principal, VPPCOE & VA), Prof.Vijay Salke (H.O.D) followed by the Saraswati Vandana. Dr. Alam N. Shaikh felicitated Dr.Dhanajay Kalbande by offering a sapling. A heart-warming welcome remark was delivered by Dr.Suvna Bhise (Coordinator STTP2019) and addressed the importance and contents of the training program.

The session further continued with the address of our Principal Dr. Alam N. Shaikh. He spoke about the initiatives of STTP, the different programs conducted by them and encouraged participants to come forward and contribute effectively in such programs. He has further explained about use of discussed concepts in innovative teaching learning processes.

Dr. Suvna Bhise (Convener, STTP 2019) illuminated the importance and contents of the STTP. The session further continued with the address of Dr.Dhanajay Kalbande, who gave brief insights of his session in the training program. He has even mentioned the Research into improving efficiency and performance of communication systems, such as developing advanced signal processing algorithms.

The day 1 concludes with the Vote of Thanks proposed by Prof. Harsha Sanap.





**Session 2**

**Speaker: - Dr.Subhash K .Shinde**

**Topic Covered**

- Internet of Things (IoT)
- 5G technology
- Artificial Intelligence in communication systems
- Machine learning in communication applications

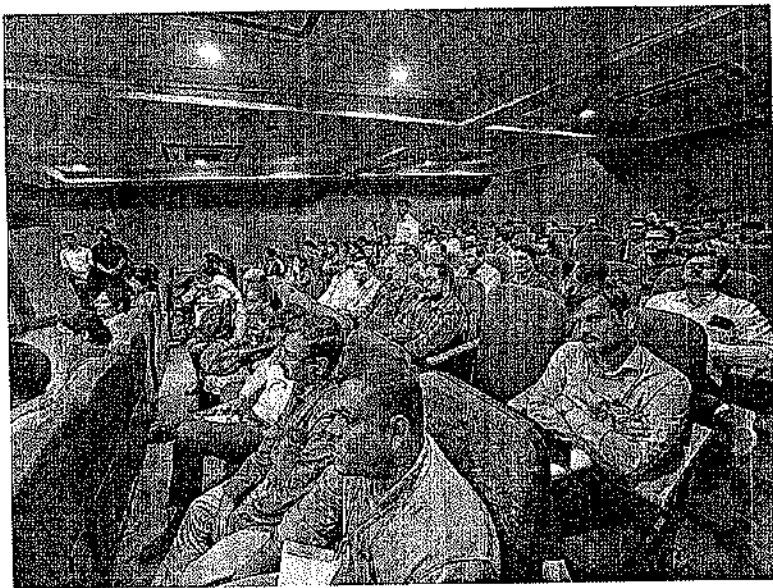


**DAY 2 – 02/01/2019 (Wednesday)**

**Speaker: -Dr.Suvarna Bhise( Associate Professor VPPCOE&VA sion)**

**Topic Covered:**

- Edge computing for faster data processing
- Green communication technologies for sustainability
- Blockchain technology for secure communication
- Quantum communication for secure data transmission





**DAY 3 – 03/01/2019 (Thursday)**

**Speaker: - Dr.Mahavir Devmane (Professor VPPCOE&VA Sion)**

**Topic Covered:**

Various Innovative Teaching methods, such as

- . Wireless power transfer and energy harvesting
- . Cognitive radio networks for efficient spectrum utilization



**DAY 4 – 04/01/2019 (Friday)**

**Speaker: - Dr.Subhash K .Shinde,**

**Topic Covered:**

- Integrated circuit design
- Field programmable gate arrays (FPGAs)
- Digital signal processing
- Printed circuit board (PCB) design
- Embedded systems
- Wireless communication systems



**DAY 5 – 07/07/2023 (Friday)**

**Speaker:** Dr. Alam N Shaikh, Principal, VPPCOE

**Topic Covered:**

- Integrated circuit design
- Field programmable gate arrays (FPGAs)
- Digital signal processing
- Printed circuit board (PCB) design
- Embedded systems
- Wireless communication systems



**DAY 6 – 08/07/2023 (Saturday)**

- ★ **MCQ Test: 30 marks MCQ Test has been conducted based on the topics covered in above sessions.**

### **Valedictory Function**

The program ended with the valedictory function, which was graced by the presence of Dr. Alam N. Shaikh (Principal, VPPCOE & VA) & Dr. Suvarna Bhise (Convener).

Dr. Alam N. Shaikh (Principal, VPPCOE), in his valedictory talk, congratulated the coordinators and organizing committee for the successful conduct of STTP-2019. He emphasized the need for such programs, as they provide a unique opportunity to explore the boundaries of what is currently known in the domains of Recent Trends For Research In Electronics & Communication . He also mentioned that such programs provide a common platform to discuss and learn new methodologies to upgrade ourselves.

The function ended with a Vote of Thanks presented by Prof. Dr.Suvrana Bhise (Coordinator STTP-2019).

The valedictory function was further preceded by the distribution of certificates to the participant's.

The Valedictory function concluded with the playing of the National Anthem.

The list of supporting documents is as follows as,

1. Attendance
2. Participant Feedback
3. Speaker Feedback
4. Result of test



**Padmabhushan Vasantdada Patil Pratishthan's  
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[F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15 ]

Date: 07/01/2019

**A Brief Report on  
AICTE-ISTE Approved One Weeks Short Term Training Program (STTP)**

**Event Details: AICTE-ISTE Approved One Weeks Short Term Training Program (STTP) on  
"Recent Trends in Data Science".**

**Duration:** 1<sup>st</sup> Jan to 5<sup>th</sup> Jan 2019.

**Participants:** Faculties from PVPP College of Engineering (Computer & IT Department) & other Engineering Colleges.

➤ **Chief Patrons:**

1. Smt. Ashalata Manohar Phalke, (President, PVPPCOE)
2. Sr. Adv. Appasaheb Desai, (General Secretary, PVPPCOE)
3. Shri. P. G. Desai, (Executive Trustee, PVPPCOE)

➤ **Patron:**

1. Dr. Alam N. Shaikh (Campus Director & Principal, PVPPCOE)

➤ **Chief Guest:**

1. Dr. M. Sasikumar (Senior Director, CDAC Mumbai Division)

➤ **Conveners:**

1. Dr. Mahavir A. Devmane (HOD, Computer)
2. Dr. Seema Ladhe (HOD, IT)

➤ **Coordinators:**

1. Prof. Medha Kulkarni
2. Prof. Sumit Shinde

➤ **Conduct:**

Total No. of Participant: 31

*Medha*

*Seema*



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### ➤ STTP Objectives:

- To introduce the applications of Data Science Concepts and Methods to handle Real World Problems effectively.
- To impart knowledge of Data Analytics using R/Python.
- Awareness about recent trends in the research fields of data science.
- To expand the knowledge in Python to use it for further research.

### ➤ Expected STTP Outcome:

Participants will be able to:

- Understand the applications of Data Science Concepts.
- Understand the knowledge of Data Analytics using R/Python .
- Understand the outlining features of Data Science and its use in Research.
- Understand the outlining features of Python.
- Perform statistical analysis on variety of data.
- Use open source language in Analysis and Research.





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[F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15 ]

**DAY 1 - 01/01/19 (Tuesday)**

**Venue: - Auditorium (215)**

**Session 1**

**Inauguration of STTP and Key Note Address:**

**Time: - 9:30 AM to 11:15 AM**

The One Week AICTE-ISTE Approved Short Term Training Program (STTP-2019) which was organized from 1<sup>st</sup> Jan to 5<sup>th</sup> Jan 2019 on "**Recent Trends in Data Science**" was designed to explore the Recent Trends in Research and Development using Data Science.

The One Week Short Term Training Programme (STTP-2019) started with lighting of lamp by the chief guest, Dr. M. Sasikumar (Senior Director, CDAC Mumbai Division) and Dr. Alam N. Shaikh (Campus Director & Principal, PVPPCOE) followed by the singing of the Saraswati Vandana. Before the welcome address by course coordinator, Dr. Alam N. Shaikh (Campus Director & Principal, PVPPCOE) felicitated Dr. M. Sasikumar (Senior Director, CDAC Mumbai Division). A heart-warming welcome remark was delivered by Prof. Mayuri Tharval (Organizing Committee member of STTP 2019) and the session further continued with the address of Prof. Medha Kulkarni (Coordinator of STTP 2019), who enlightened the importance and contents of the training program. The session further continued with the address of Dr. M. Sasikumar (Senior Director, CDAC Mumbai Division), who enlightened the participants about the importance of such training programs and how such programs help in developing R&D culture in educational institutes. He even mentioned that the primary objective of this endeavor is to inculcate and nurture the culture of research amongst all of us and also guided us in how to integrate research in academics and session further continued with the address of our Principal Dr. Alam N. Shaikh, he spoke about the initiatives of AICTE-ISTE/STTP, the different programs conducted by them and encouraged participants to come forward and contribute effectively in such programs.

The last address of the session was Vote of Thanks given by Prof. Vijay Salke (Vice-Principal & HOD, EXTC, PVPPCOE).



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[F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15 ]

**DAY 1 - 01/01/19 (Tuesday)**

**Venue: - Computer Centre (CC -001)**

## **Session 2**

**Time: - 11:30 am to 1:00 pm**

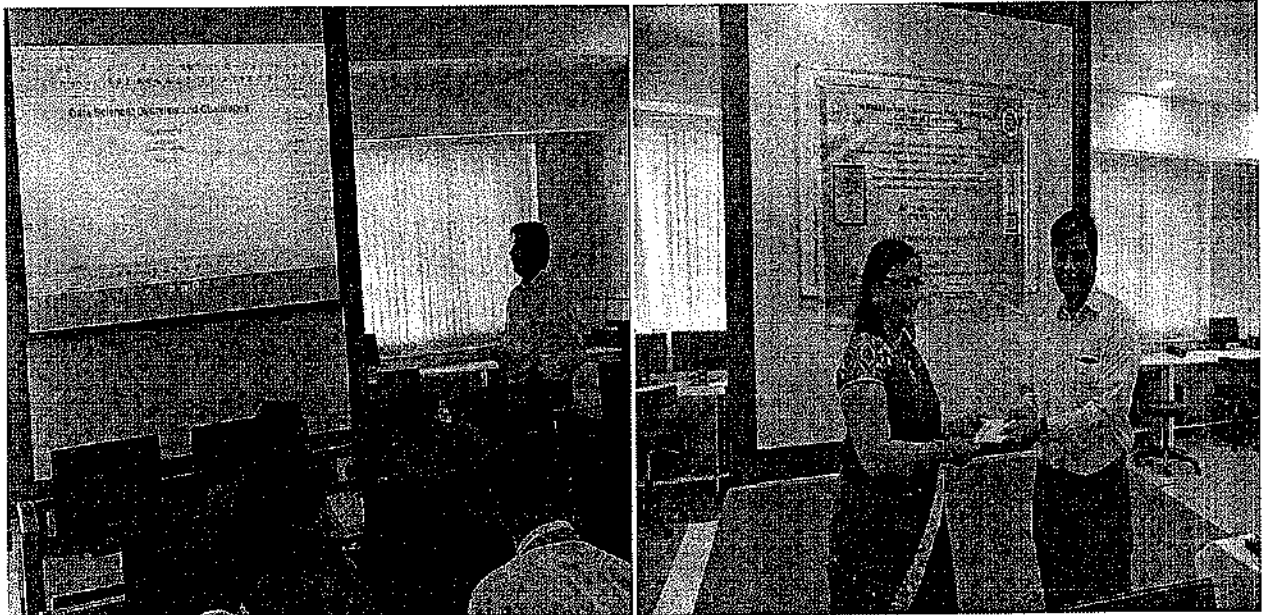
**Speaker: - Dr. M. Sasikumar (Senior Director, CDAC Mumbai Division).**

**Profile: - Dr. M. Sasikumar, has completed his B.Tech from IIT Kharagpur, M.Tech from IISc Bangalore and PhD from Bits Pilani. His area of interest are Artificial Intelligence and Educational Technology. He has co-authored two books, one is with Prentice Hall on Parallel Computing. 6 students have completed their PhD under his guidance and three are in progress. He has over 100 publications so far.**

## **Topic Covered**

Session started by Dr. M. Sasikumar, he enlightened the participants Data Science and its scope in Research & Development such as:

- Data Science.
- Scope of data science.
- Tools and techniques.
- Feature engineering.
- Textual data.
- Multimedia data.
- Challenges.
- Summing up.





## Padmabhushan Vasantdada Patil Pratishthan's College of Engineering

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[F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15 ]

### Session 3

**Time:** - 2:00 pm to 4:00 pm

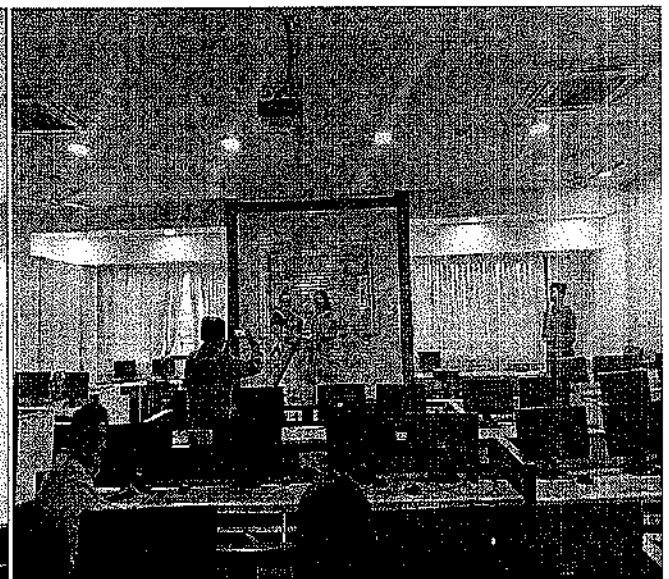
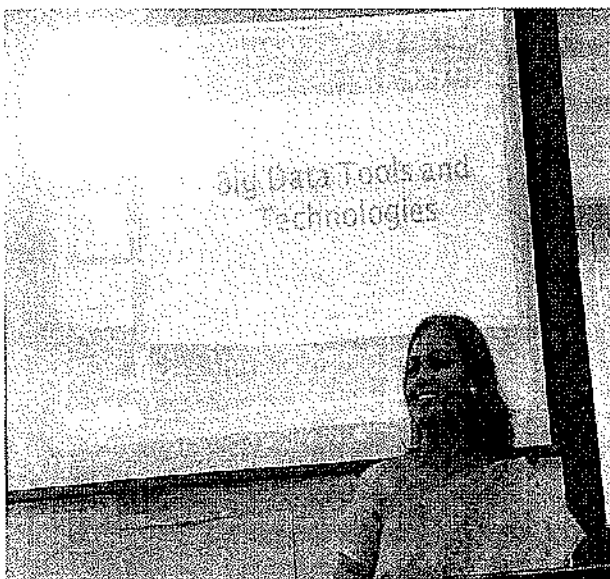
**Speaker:** - Prof. Sujata Khedkar (Associate Professor in VESIT, Mumbai).

• **Profile:** - Prof. Sujata Khedkar, has completed his BE(EXTC),ME(EXTC), Pursuing PhD and area of interest in Signal Processing, Random Signal Analysis, Antenna.

### Topic Covered

Session further continued by Prof. Sujata Khedkar, She enlightened the participants with the following topics such as:

- Big Data.
- Challenges of Big Data.
- Big Data Analytics.
- Types of Analytics.
- Traditional Vs Big Data Business Approach.
- Big Data Ecosystem.
- Current Scenario Vs Big Data Scenario.
- Hadoop Framework.
- Big Data Tools and Technologies.
- Apache Flume.
- Alternative to Real time Analytics.
- Sqoop.
- Apache HIVE.
- Apache PIG.
- Impala.
- Apache Oozie.
- Apach HBase.
- NoSQL Ecosystem.
- Analytics and Visualization.





## Padmabhushan Vasantdada Patil Pratishthan's College of Engineering

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**DAY 2 - 02/01/19 (Wednesday)**

**Venue: - Lab No. 102**

**Time: - 10:00 am to 4:00 pm**

**Speaker: - Prof. Smruti Patil (Assistant Prof. in PVPPCOE, Mumbai).**

**Profile: - Prof. Smruti Patil, has completed her B.E & M.E from Nagpur University. She has 06 years of experience in teaching and 2 years of experience in industry. She has 04 Publication. She has completed certification in Data Analytics.**

### **Topic Covered**

Day started with Hands on session by Prof. Smruti Patil on:

- R Fundamentals.
- What is Analytics.
- Why is Analytics Used?
- Industries Using Analysis.
- Some Analytics Tools and Technologies.
- What Businesses consider before they choose a tool?





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**DAY 3 - 03/01/19 (Thursday)**

**Venue: - Lab No. 102**

**Time: - 10:00 am to 4:00 pm**

**Speaker: - Prof. Archana Shirke (Assistant Prof. in Fr.C.Rodrigues Institute of Technology Vashi).**

**Profile: - Mrs. Archana Shirke has received the M.Tech degree in Computer Engineering from VJTI and currently pursuing her Ph.D. in Computer engineering from VJTI, Mumbai. Her areas of interest include Data Mining, Big Data Analytics and IOT Analytics.**

**Topic Covered**

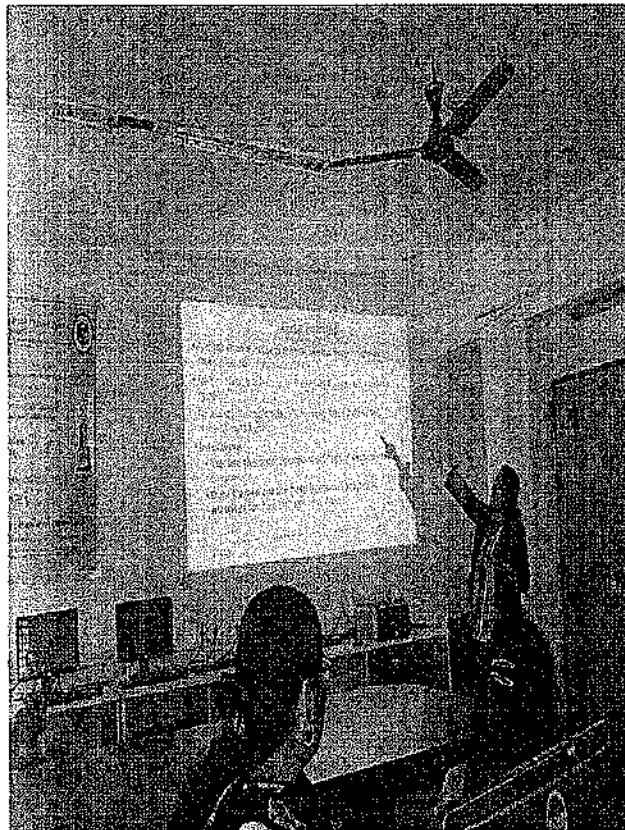
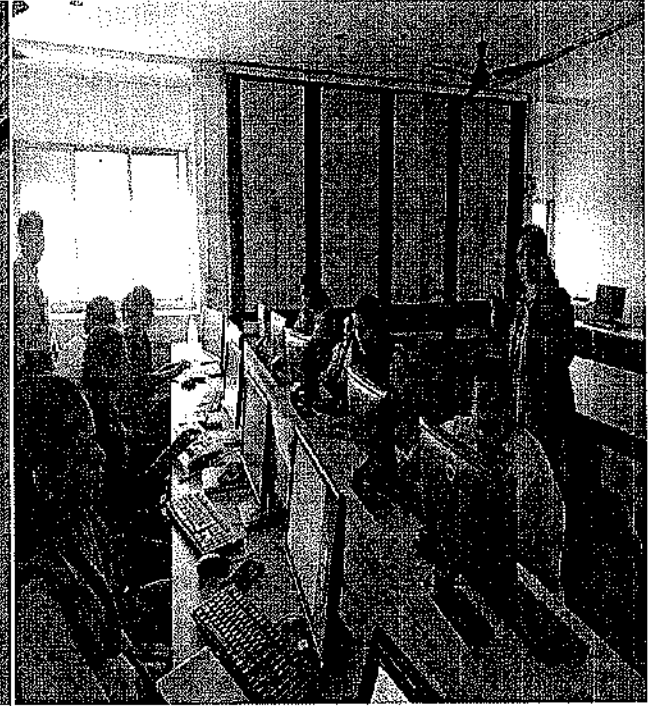
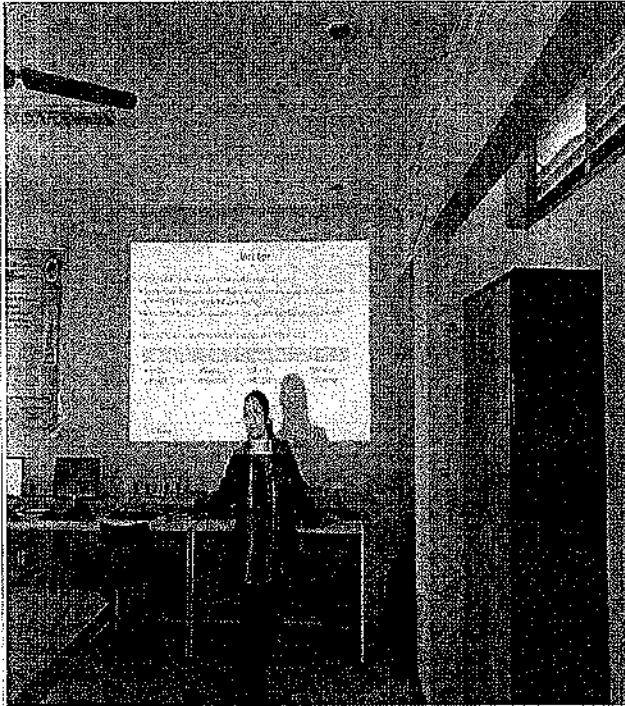
Day started with Hands on session by Prof. Archana Shirke on:

- R- Basics
  - ❖ Recap Vectors.
  - ❖ Matrix & Array.
  - ❖ Lists.
  - ❖ Data Frames.
  - ❖ Functions
- R: Programming Structures
  - ❖ R- Programming Structures & Data Import Export.
  - ❖ R-Data Exploration.
  - ❖ R-Graphics .
- Introduction to R: Graphs
  - ❖ R-Data Exploration.
  - ❖ R-Graphics.
- Linear Regression
  - ❖ Linear Regression.
  - ❖ Logistic Regression.
  - ❖ Examples with R.
  - ❖ Exercise.



# Padmabhushan Vasantdada Patil Pratishthan's College of Engineering

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[F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15 ]





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[F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15 ]

**DAY 4 - 04/01/19 (Friday)**

**Venue: - Lab No. 102**

**Time: - 10:00 am to 4:00 pm**

**Speaker: - Prof. Pramod Bide (Assistant Prof. in SPIT, Mumbai).**

**Profile: - Prof. Pramod Bide, has received the B.E & M.E from Mumbai University and currently pursuing his Ph.D. in Computer engineering from SPIT, Mumbai. He has 6 publications. He has total 08 years of teaching experience. His areas of interest include Data Mining, Big Data Analytics and Machine Learning.**

**Topic Covered**

Day started with Hands on session by Prof. Pramod Bide on:

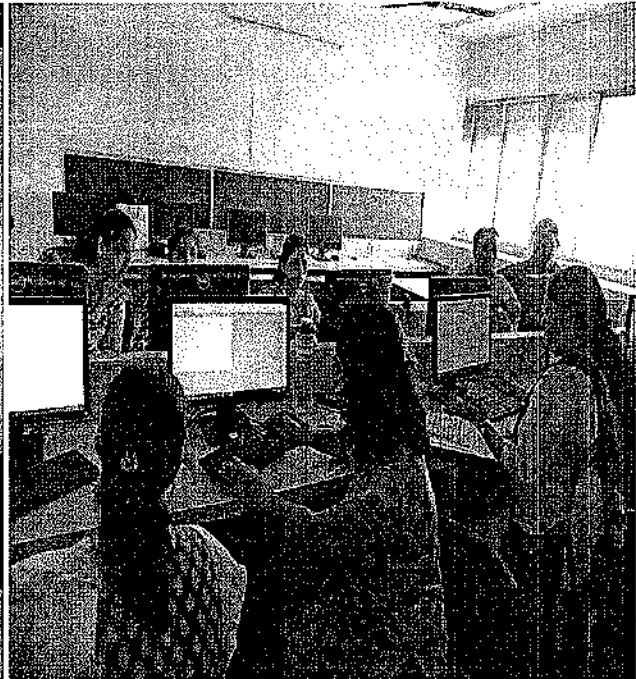
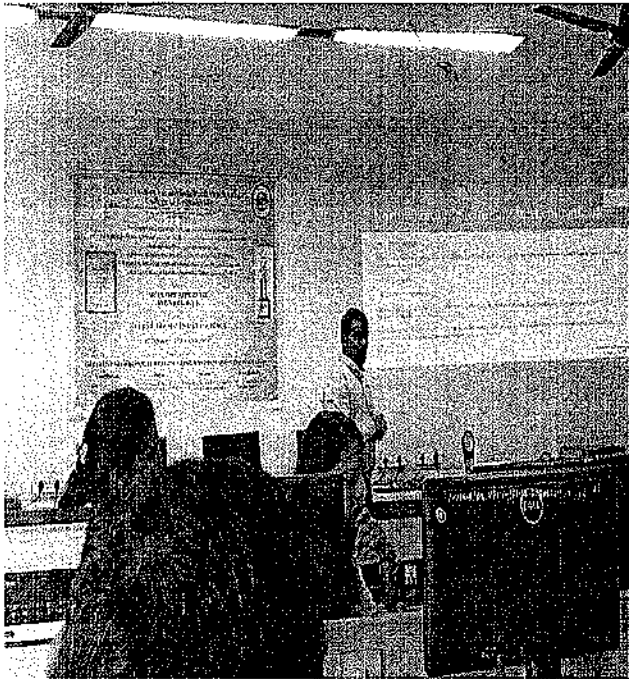
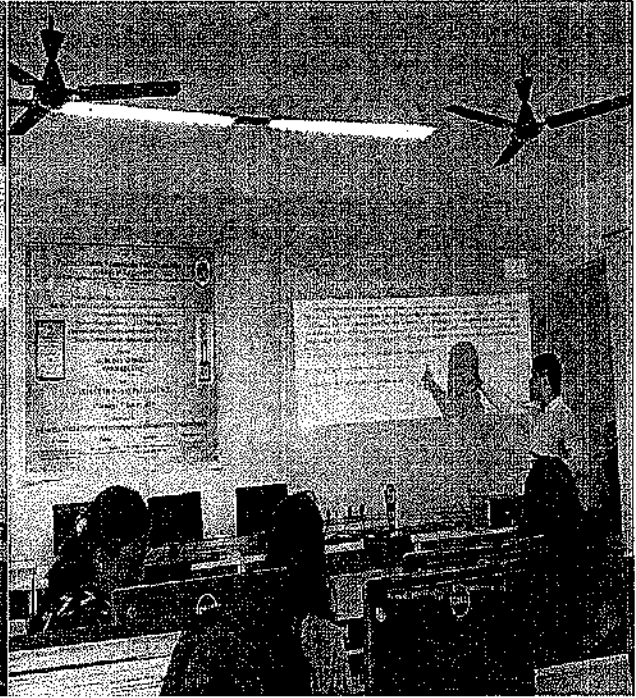
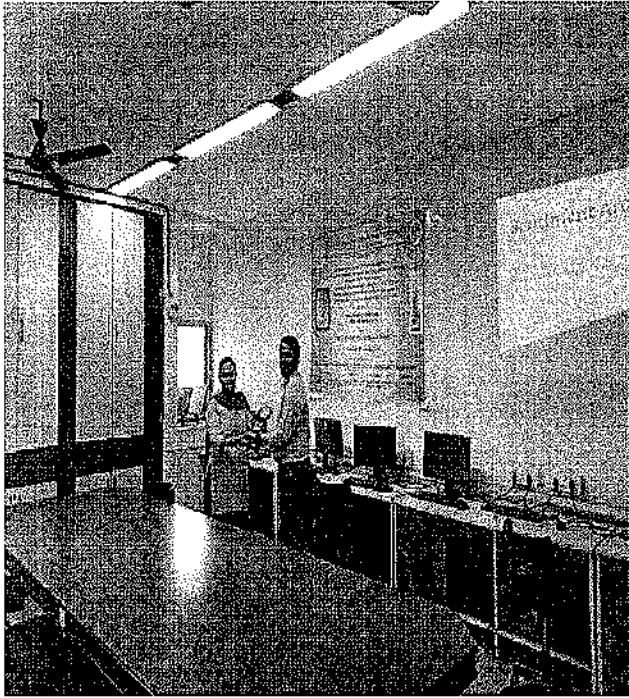
- Sentiment Analysis.
- What is Sentiment Analysis?
- What Is an Opinion?
- Classification of Opinions.
- Types of Sentiment Analysis
  - ❖ Fine-grained Sentiment Analysis.
  - ❖ Emotion detection.
  - ❖ Aspect-based Sentiment Analysis.
  - ❖ Intent analysis.
- Steps in Sentiment Analysis.
- Datasets.
- Pre-processing.
- Text Processing Framework.
- Tokenization.
- Challenges in Tokenization.
- Normalization: Stemming and Lemmatization.
- Sentiment Analysis for Tweets.
- Classifier Example - Naive Bayes.
- Sentiment Analysis Example.
- Use Cases and Applications.





# Padmabhushan Vasantdada Patil Pratishthan's College of Engineering

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# Padmabhushan Vasantdada Patil Pratishthan's College of Engineering

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[F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15 ]

**DAY 5 - 05/01/19 (Saturday)**

**Venue: - Lab No. 102**

## ◀ Session 1

**Time:** - 10:00 am to 1:00 pm

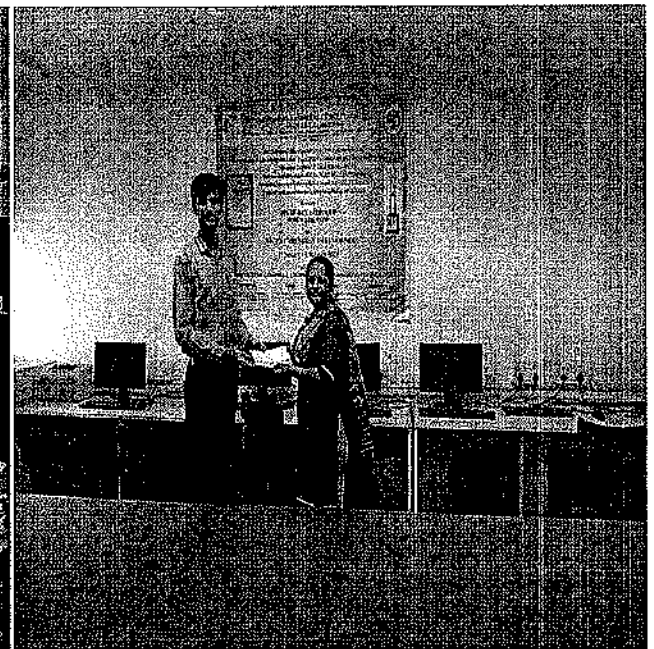
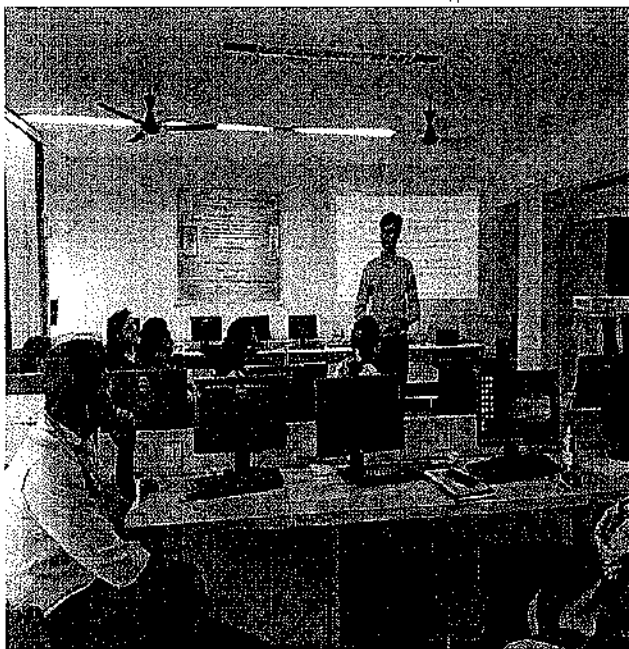
**Speaker:** - Prof. Sumit Shinde (Assistant Prof. in PVPPCOE, Mumbai).

**Profile:** - Prof. Sumit Shinde, has completed his B.E from Amravati University & M.E from Pune University. He has 03 years of experience in teaching. He has 02 Publication. He is awarded as ideal student. His area of interest includes Machine Learning.

### Topic Covered

Prof. Sumit Shinde started the session by following topics such as:

- Machine Learning.
- Classification of Machine Learning.
- Categorizing on the basis of required Output.
- Decision Tree.
- Decision Tree Terminology.
- Random Forest.
- Ensembling Techniques.
- Difference between Random Forest and Bagging.



## Session 2

**Time:** - 02:00 pm to 03:00 pm

**MCQ Test :** Prof. Prajakta Khelkar (Assistant Prof. in PVPPCOE, Mumbai) has conducted MCQ Test based on sessions completed.



## Padmabhushan Vasantdada Patil Pratishthan's College of Engineering

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[F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15 ]

### DAY 5 - 05/01/19 (Saturday) Valedictory Function

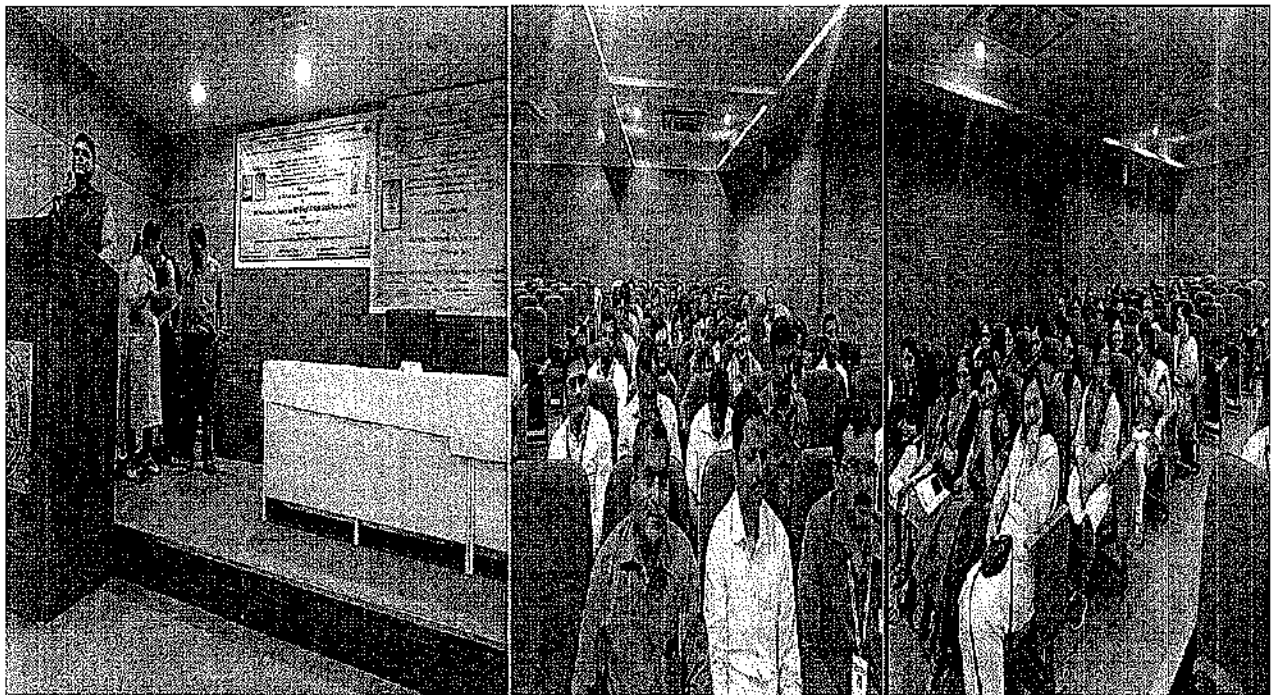
**Venue: - Auditorium (215)**

**Time: 3:30PM to 4:30PM**

The program ended with the valedictory function which was graced with the presence of Dr. Alam N. Shaikh (Campus Director & Principal, PVPPCOE ), Prof. Vijay Salke (Vice-Principal & HOD, EXTC, PVPPCOE).

Dr. Alam N. Shaikh (Campus Director & Principal, PVPPCOE ), in his valedictory talk, started with congratulating coordinators and organizing committee for the successful conduct of STTP-2019. He also explained the importance of "**Recent Trends in Data Science**" to enhance research culture in this institute. He emphasized the need of such programs as they provide a unique opportunity to explore the boundaries of what is currently known in various domains of Engineering and Technology, through a range of research experiences. He also mentioned that such programs provide a common platform to discuss and learn new methodology to upgrade ourselves.

The function ended with a Vote of Thanks presented by Prof. Vijay Salke (Vice-Principal & HOD, EXTC, PVPPCOE).

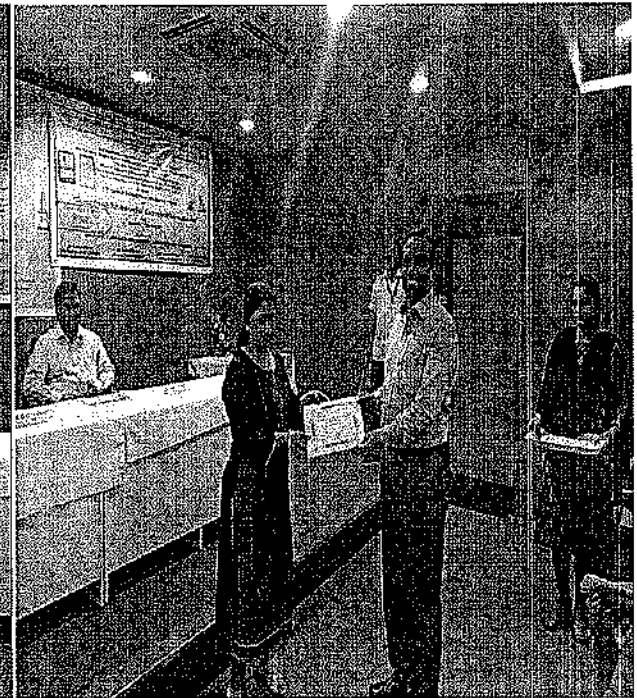
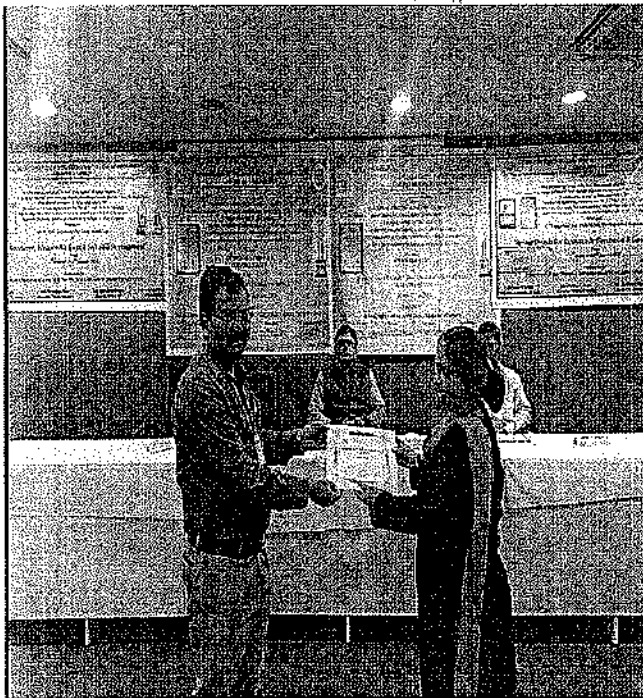
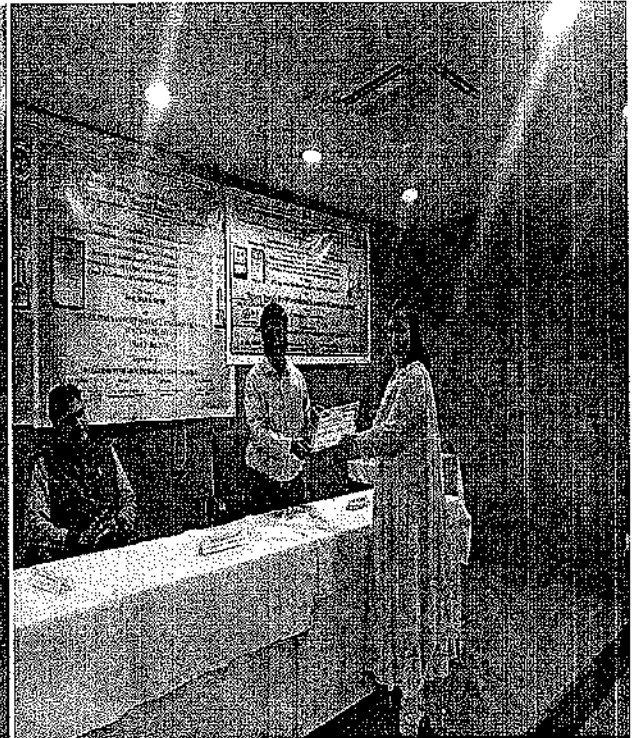
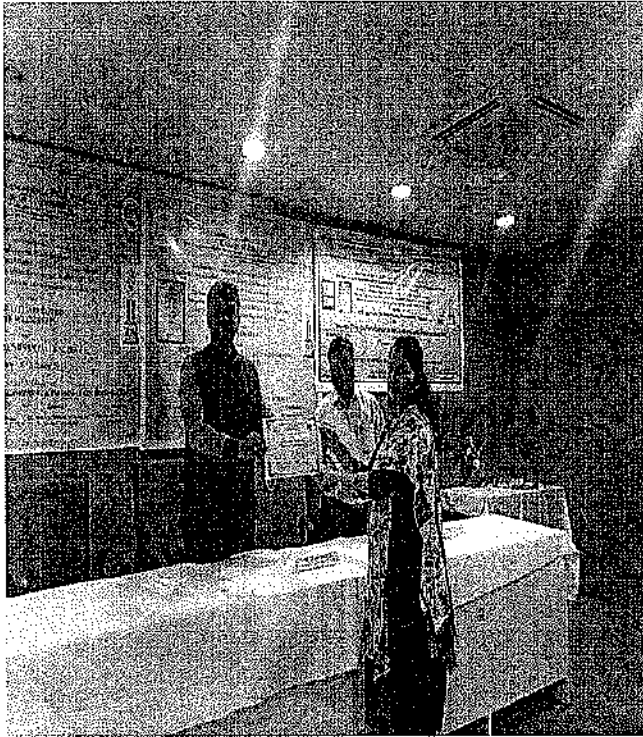




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Valedictory function was further conducted with the distribution of certificates to the participant's.



The Valedictory function concluded with singing of the National Anthem.



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[F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/13 ]

Date: 07/07/2019

**A Brief Report on  
AICTE-ISTE Approved One Weeks Short Term Training Program (STTP)**

**Event Details: AICTE-ISTE Approved One Weeks Short Term Training Program (STTP) on  
"Cloud Based IoT & Machine Learning Applications Using Python".**

**Duration:** 24<sup>th</sup> June to 28<sup>th</sup> Jun 2019.

**Participants:** Faculties from PVPP College of Engineering (Computer & IT Department) & other Engineering Colleges.

**➤ Chief Patrons:**

1. Smt. Ashalata Manohar Phalke, (President, PVPPCOE)
2. Sr. Adv. Appasaheb Desai, (General Secretary, PVPPCOE)
3. Shri. P. G. Desai, (Executive Trustee, PVPPCOE)

**➤ Patron:**

1. Dr. Alam N. Shaikh (Campus Director & Principal, PVPPCOE)

**➤ Chief Guest:**

1. Dr. Mrs. Gresha Bhatia (Deputy HOD, Computer Engg. Dept, VESIT, Mumbai)

**➤ Conveners:**

1. Dr. Seema Ladhe (HOD, IT)

**➤ Coordinators:**

1. Prof. Pravin Shinde
2. Prof. Smruti Patil

**➤ Conduct:**

Total No. of Participant: 27



## Padmabhushan Vasantdada Patil Pratishthan's College of Engineering

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### ➤ STTP Objectives:

- To introduce the applications of Python, Machine Learning and Internet of Things.
- To get hands on live project development experience on IoT and Machine Learning.
- The main focus of STTP is to impart awareness about recent trends in the field of Python, Machine Learning and IoT.

### ➤ Expected STTP Outcome:

Participants will be able to:

- Understand the applications of Machine learning.
- Understand the knowledge of Python.
- Understand the recent trends in IoT.
- Understand use of Machine Learning in IoT.
- Use open source language in Analysis and Research.



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[F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15 ]

**DAY 1 - 24/06/19 (Monday)**

**Venue: - Auditorium (215)**

**Session 1**

**Inauguration of STTP and Key Note Address:**

**Time: - 9:30 AM to 11:15 AM**

The One Week AICTE-ISTE Approved Short Term Training Program (STTP-2019) which was organized from 24<sup>th</sup> June to 28<sup>th</sup> Jun 2019 on “**Cloud Based IoT & Machine Learning Applications Using Python**” was designed to explore the Recent Trends in Research and Development using Data Science.

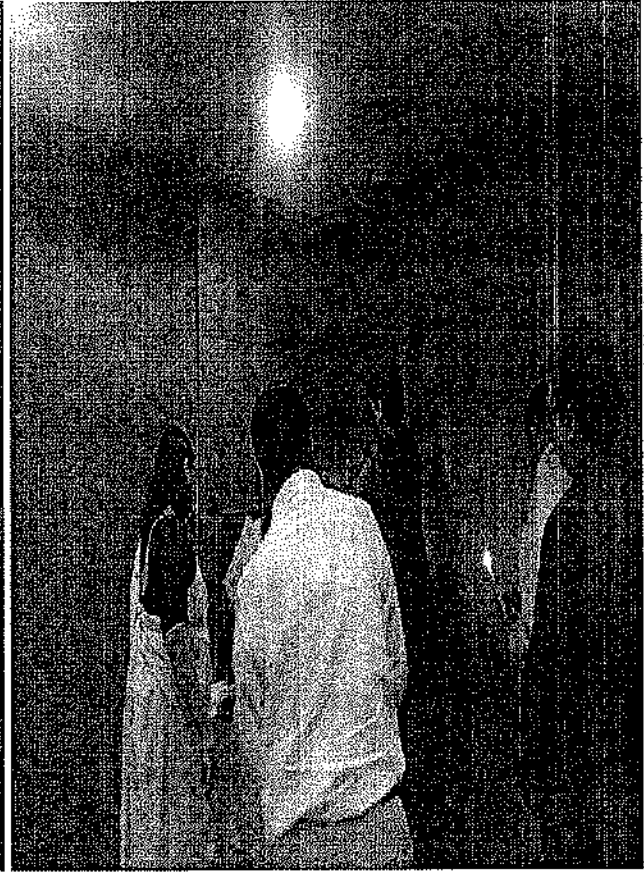
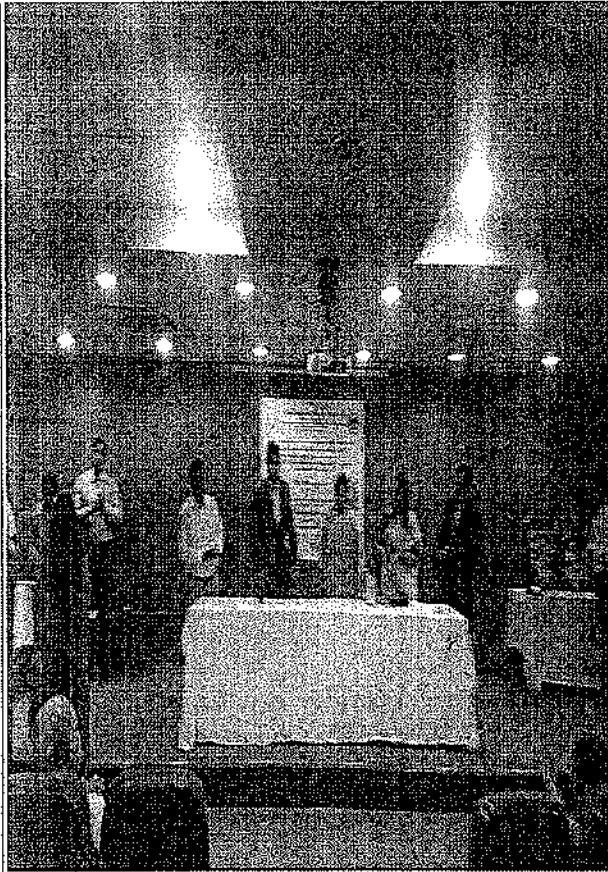
The One Week Short Term Training Programme (STTP-2019) started with lighting of lamp by the chief guest, Dr. Mrs.Gresha Bhatia (Deputy HOD, Computer Engg.Dept, VESIT, Mumbai) and Dr. Alam N. Shaikh (Campus Director & Principal, PVPPCOE) followed by the singing of the Saraswati Vandana. Before the welcome address by course coordinator, Dr. Alam N. Shaikh (Campus Director & Principal, PVPPCOE) felicitated Dr. Mrs.Gresha Bhatia (Deputy HOD,Computer Engg.Dept,VESIT, Mumbai). A heart-warming welcome remark was delivered by Prof. Medha Kulkarni (Organizing Committee member of STTP 2019) and the session further continued with the address of Prof. Smruti Patil (Coordinator of STTP 2019), who enlightened the importance and contents of the training program. The session further continued with the address of Dr. Mrs.Gresha Bhatia (Deputy HOD, Computer Engg.Dept, VESIT, Mumbai), who enlightened the participants about the importance of such training programs and how such programs help in developing R&D culture in educational institutes. He even mentioned that the primary objective of this endeavor is to inculcate and nurture the culture of research amongst all of us and also guided us in how to integrate research in academics and session further continued with the address of our Principal Dr. Alam N. Shaikh, he spoke about the initiatives of AICTE-ISTE/STTP, the different programs conducted by them and encouraged participants to come forward and contribute effectively in such programs.

The last address of the session was Vote of Thanks given by Prof. Vijaya Sagvekar (Organizing Committee member of STTP 2019, PVPPCOE).



# Padmabhushan Vasantdada Patil Pratishthan's College of Engineering

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[F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15 ]



**DAY 1 - 24/06/19 (Monday)**  
**Venue: - Auditorium (215)**

## **Session 2**

**Time: - 11:30 am to 1:00 pm**

**Speaker: - Dr. Mrs.Gresha Bhatia (Deputy HOD, Computer Engg.Dept, VESIT, Mumbai)**

**Profile: - Dr. Mrs.Gresha Bhatia has completed her ph.D. (I.T.) from Mumbai University. Her areas of interest are Machine Learning, Data Mining and Information and Communication Technology (ICT). She has over 55 publications so far. Her teaching experience is about 23 years. She has received AI for Earth grant of US \$10,000 from Microsoft. Also she has received minor research grant of 30K from Mumbai University.**

## **Topic Covered**

Session started by Dr. Dr. Mrs.Gresha Bhatia, she enlightened the participants Data Science and its scope in Research & Development such as:

- Machine Learning.
- Scope of Machine Learning.
- Tools and techniques.

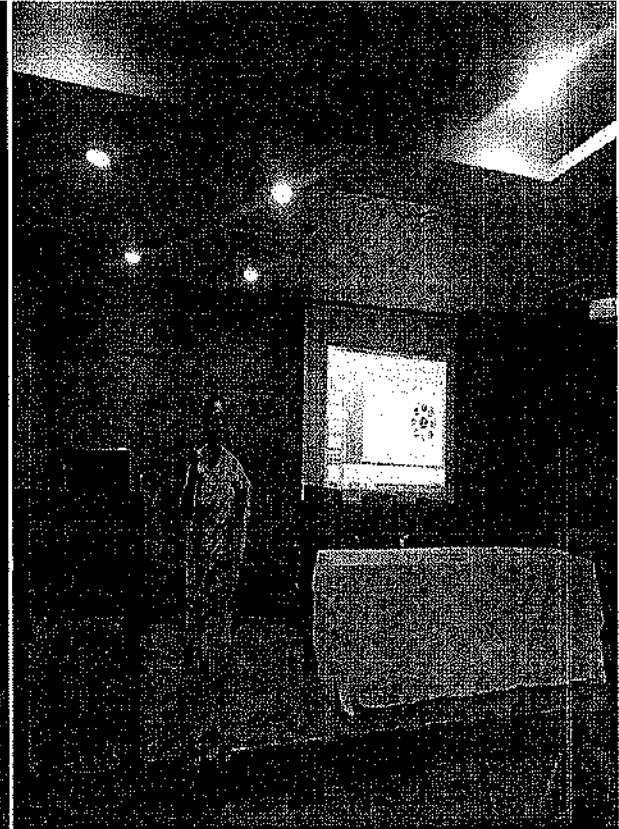
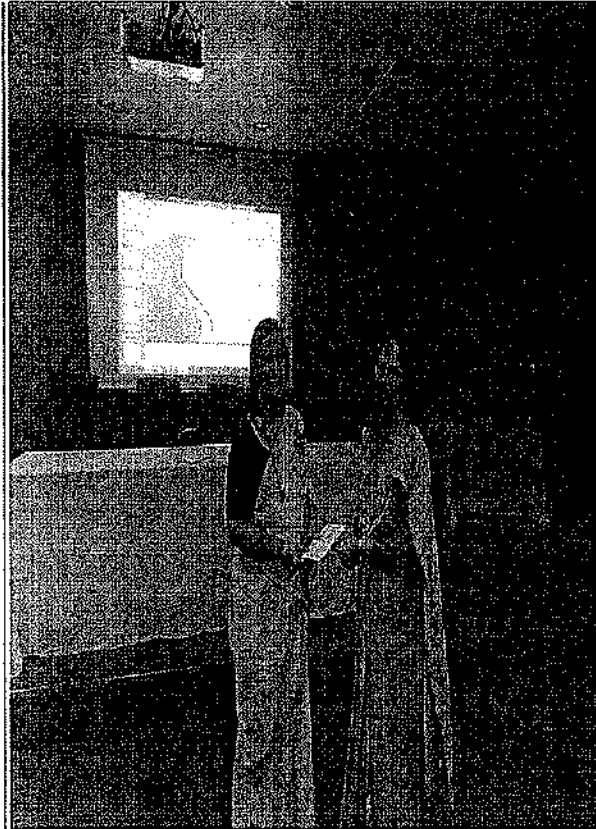




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[F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15 ]

- Case studies.
- Research scope in ML.
- Challenges.
- Summing up.





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[F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15 ]

**DAY 1 - 24/06/19 (Monday)**

**Venue: - Auditorium (215)**

## **Session 3**

**Time: - 2:00 pm to 4:00 pm**

**Speaker: - Mr. Tejas Kasare (Parton & CO-Founder The Intellect Technologies, Mumbai).**

**Profile: - Mr. Tejas Kasare, has completed his BE (Computer Engineering, Mumbai University). He has conducted workshops on IoT, Python, Virtual Reality.**

## **Topic Covered**

Session further continued by - Mr. Tejas Kasare, he enlightened the participants with the following topics such as:

- Basics of Internet of Things.





# Padmabhushan Vasantdada Patil Pratishthan's College of Engineering

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[F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15 ]

**DAY 2 - 25/06/19 (Tuesday)**

**Venue: - Lab No. 109**

**Time: - 10:00 am to 4:00 pm**

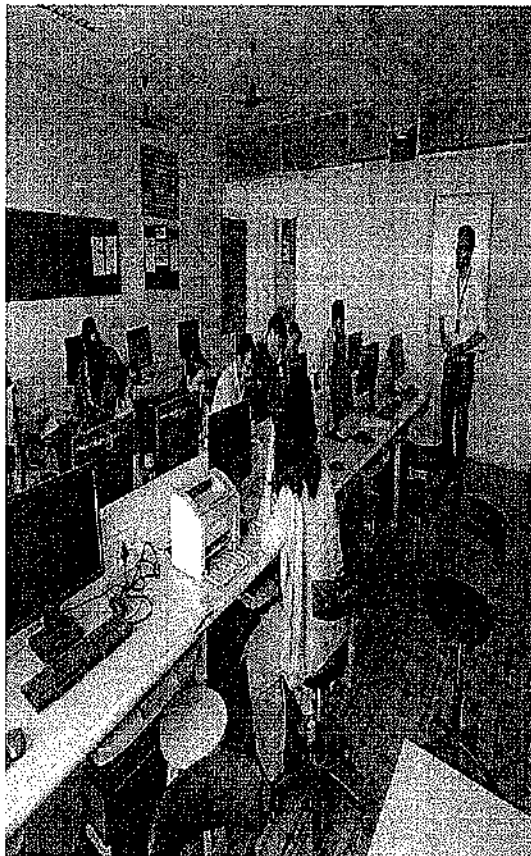
**Speaker: Mr. Tejas Kasare (Parton & CO-Founder The Intellect Technologies, Mumbai).**

**Profile: - Mr. Tejas Kasare, has completed his BE (Computer Engineering, Mumbai University). He has conducted workshops on IoT, Python, Virtual Reality.**

## **Topic Covered**

Day started with Hands on session by Prof. Smruti Patil on:

- Python Fundamentals.
- Python Packages.
- Python Libraries.
- Python editors.
- Python Functions.
- Basic programming.





**Padmabhushan Vasantdada Patil Pratishthan's  
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[F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15 ]

**DAY 3 - 26/06/19 (Wednesday)**

**Venue: - Lab No. 109**

• **Time:** - 10:00 am to 4:00 pm

**Speaker:** Mr.Tejas Kasare (Parton & CO-Founder The Intellect Technologies, Mumbai).

**Profile:** - Mr.Tejas Kasare, has completed his BE (Computer Engineering, Mumbai University).He has conducted workshops on IoT, Python, Virtual Reality.

**Topic Covered**

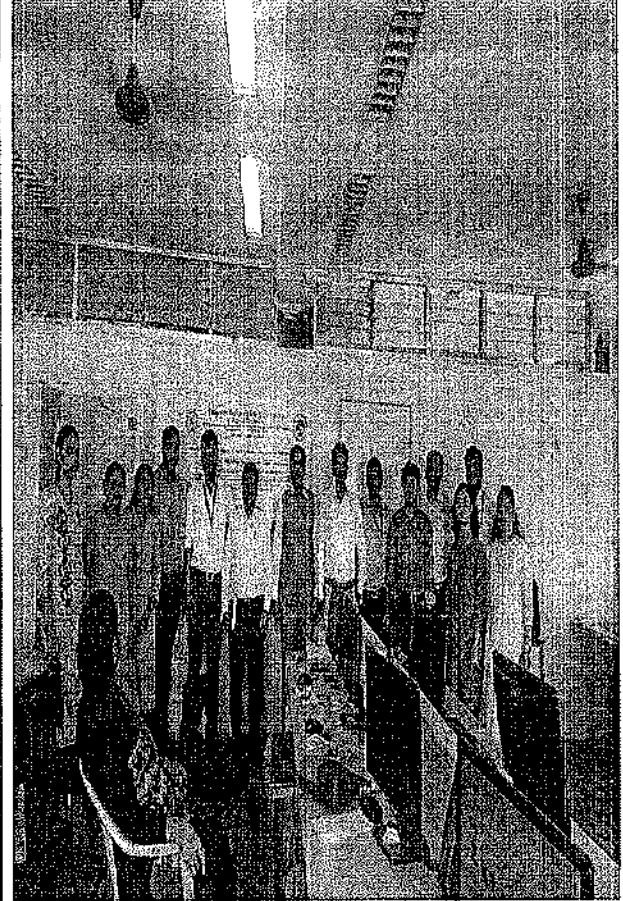
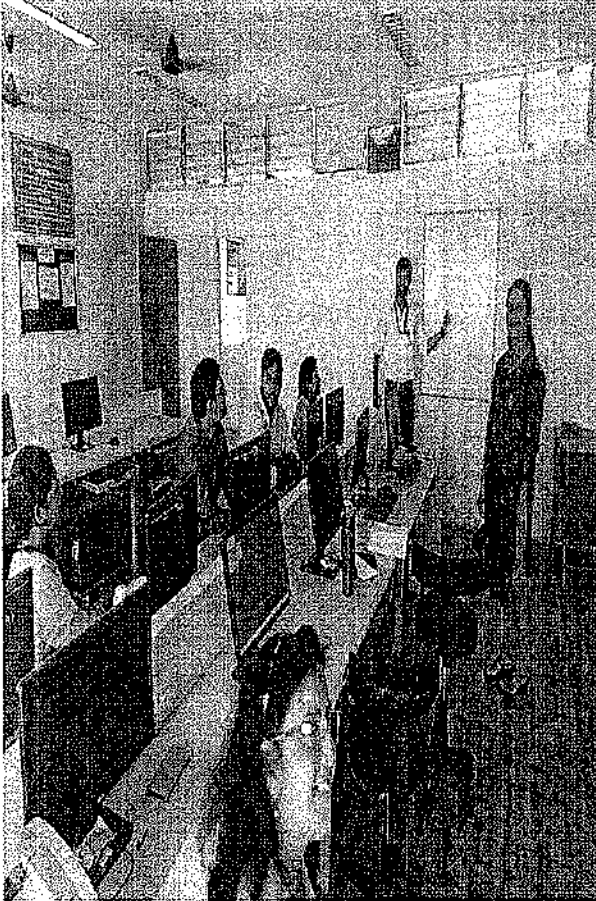
Day started with Hands on session by Mr.Tejas Kasare on:

- Sentiment Analysis.
- What is Sentiment Analysis?
- What Is an Opinion?
- Classification of Opinions.
- Types of Sentiment Analysis
  - ❖ Fine-grained Sentiment Analysis.
  - ❖ Emotion detection.
  - ❖ Aspect-based Sentiment Analysis.
  - ❖ Intent analysis.
- Steps in Sentiment Analysis.
- Datasets.
- Pre-processing.
- Text Processing Framework.
- Tokenization.
- Challenges in Tokenization.
- Normalization: Stemming and Lemmatization.
- Sentiment Analysis for Tweets.
- Classifier Example - Naive Bayes.
- Sentiment Analysis Example.
- Use Cases and Applications.



# Padmabhushan Vasantdada Patil Pratishthan's College of Engineering

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**DAY 4 - 27/06/19 (Thursday)**

**Venue: - Lab No. 109**

**Time: - 10:00 am to 4:00 pm**

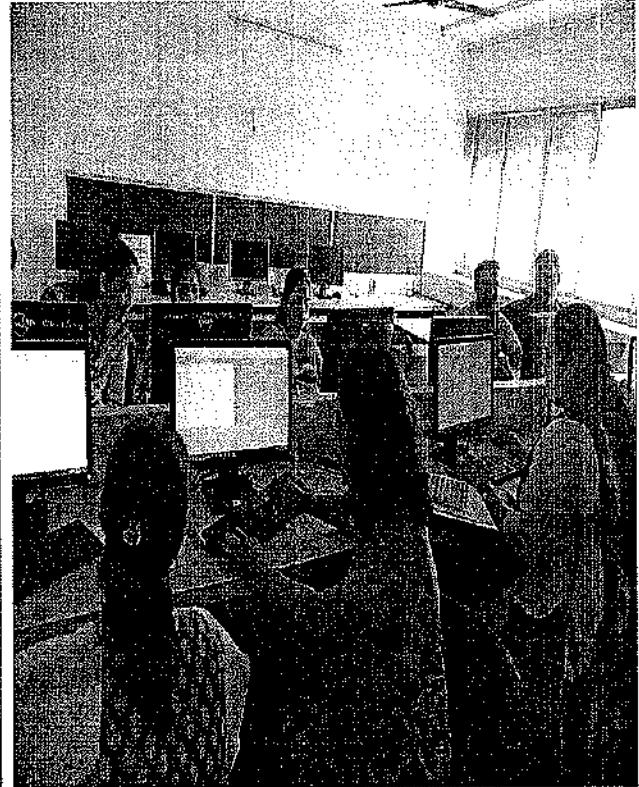
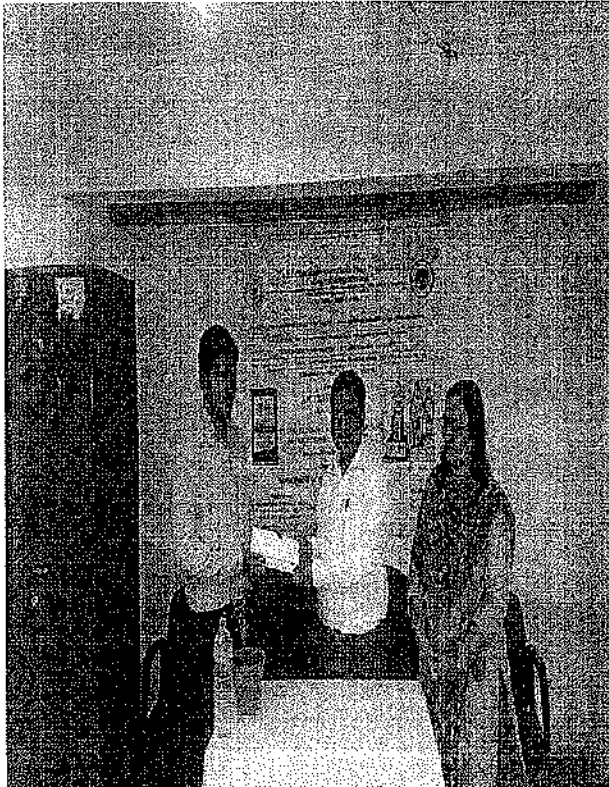
**Speaker: - Mr.Rahul Gupta (Expert The Intellect Technologies, Mumbai).**

**Profile: - Mr.Rahul Gupta, has completed his BE (Electronics and Telecommunication, Mumbai University).He has conducted workshops on IoT, Python, Virtual Reality**

### **Topic Covered**

Day started with Hands on session by Mr.Rahul Gupta on:

- Basics of Internet of Things.
- Introduction to Arduino Uno kit.
- Bluetooth architecture.
- Realy,power supply details.
- Installation of Arduino Integrated Development Environment.





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**DAY 5 - 28/06/19 (Friday)**

**Venue: - Lab No. 109**

**Time: - 10:00 am to 4:00 pm**

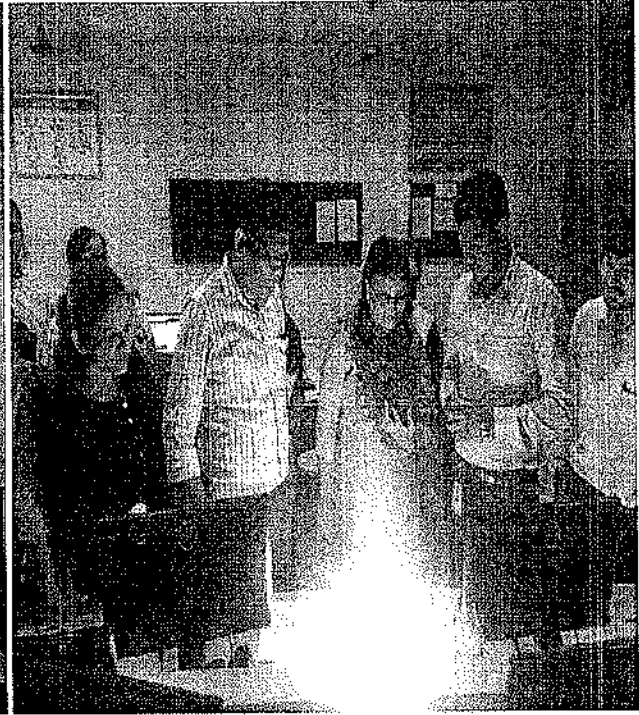
**Speaker: - Mr.Rahul Gupta (Expert The Intellect Technologies, Mumbai).**

**Profile: - Mr.Rahul Gupta, has completed his BE (Electronics and Telecommunication, Mumbai University).He has conducted workshops on IoT, Python, Virtual Reality**

## Topic Covered

Day started with Hands on session by Mr.Rahul Gupta on:

- Demonstration of light on/off using Bluetooth and 4 channel relay.
- Demonstration of plant watering.
- Demonstration of fan on/off using Bluetooth and relay.





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[F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15 ]

**Time: - 02:00 pm to 03:00 pm**

**MCQ Test:** Prof. Smruti Patil (Assistant Prof. in PVPPCOE, Mumbai) has conducted MCQ Test based on sessions completed.

**DAY 5 - 28/06/19 (Friday)  
Valedictory Function**

**Venue: - Lab (102)**

**Time: 3:30PM to 4:30PM**

The program ended with the valedictory function which was graced with the presence of Dr. Alam N. Shaikh (Campus Director & Principal, PVPPCOE), Prof. Vijay Salke (Vice-Principal & HOD, EXTC, PVPPCOE).

Dr. Alam N. Shaikh (Campus Director & Principal, PVPPCOE ), in his valedictory talk, started with congratulating coordinators and organizing committee for the successful conduct of STTP-2019. He also explained the importance of "**Cloud Based IoT & Machine Learning Applications Using Python**" to enhance research culture in this institute. He emphasized the need of such programs as they provide a unique opportunity to explore the boundaries of what is currently known in various domains of Engineering and Technology, through a range of research experiences. He also mentioned that such programs provide a common platform to discuss and learn new methodology to upgrade ourselves.

The function ended with a Vote of Thanks presented by Prof. Vijay Salke (Vice-Principal & HOD, EXTC, PVPPCOE).



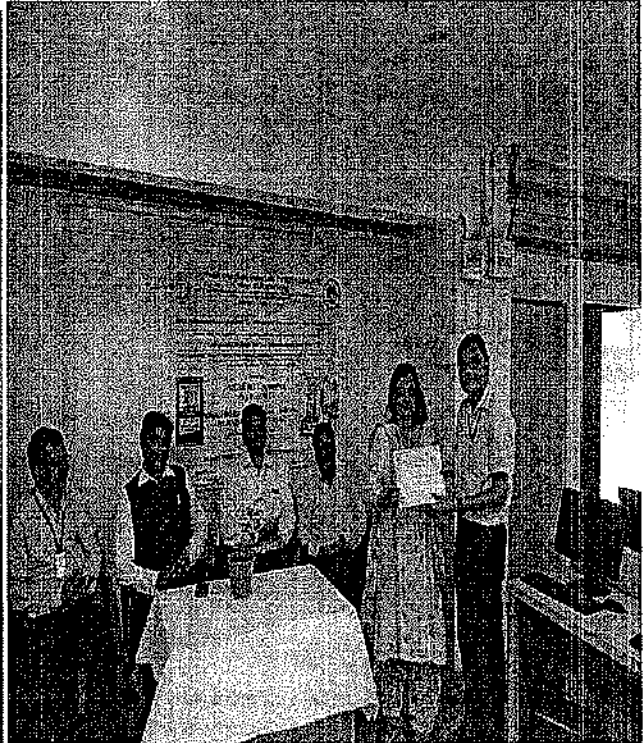


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[F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15 ]



Valedictory function was further conducted with the distribution of certificates to the participant's



The Valedictory function concluded with singing of the National Anthem.



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[F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15 ]

**A Brief Report on**

**ISTE Approved One Week Short Term Training Program (STTP)**

**OR**

**“Machine Learning and Data Science in Engineering Research”**

**Duration:** 2<sup>nd</sup> January to 6<sup>th</sup> January 2018.

**Participants:** Faculty from PVPP's College of Engineering (Computer & IT Departments)

➤ **STTP Objectives:**

- Perform data analysis and statistical analysis
- Learn advances and trends in the field of data analysis
- To explore the statistical analysis techniques using Python and R programming language
- To expand the knowledge in Python and R to use it for further research

➤ **Expected STTP Outcome:**

Participants will be able to:

- Understand the outlining features of Python and R
- Perform data extraction and analysis with Machine Learning
- Perform statistical analysis on variety of data
- Use open source language for data analysis

➤ **Chief Patrons:**

1. Smt. Ashalata Manohar Phalke, (President, PVPPCOE)
2. Sr. Adv. Appasaheb Desai, (General Secretary, PVPPCOE)
3. Shri. P. G. Desai, (Executive Trustee, PVPPCOE)

➤ **Patron:**

- Dr. Alam N. Shaikh (Principal, PVPPCOE)

➤ **Chief Guest:**

1. Dr.Y. S. Rao (Vice-Principal, SPIT, Mumbai)
2. Dr. Dhananjay Kalbande (Professor & Head Dean (Industry Relations) , SPIT, Mumbai)



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[F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15 ]

➤ **Guest of Honor:**

1. Prof. Sanjay Lunge(Principal, SAKP, Chembur)
2. Mr. Sankalp Korde (Microsoft Certified Trainer)

➤ **Conveners:**

1. Dr. Mahavir A. Devmane (HOD, Computer)
2. Mrs. Supriya Chaudhary (HOD, IT)

➤ **Coordinators:**

1. Prof. Prachi Kshirsagar
2. Prof. Sachin Barahate
3. Prof. Vinod Alone.

PL

➤ **Conduct:**

Total No. of Participants: 27

*AGONY*



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[F.No.- 28-110/2010 NBA, During 15/03/12 to 14/03/15]

**DAY 1 – 02/01/18 (Tuesday)**

**Venue: - Seminar Hall**

✦ **Session 1**

**Inauguration of STTP and Key Note Address:**

**Time: - 9:30 AM to 11:00 AM**

The One Week ISTE Approved Short Term Training Program (STTP-2018) which was organized from 2<sup>nd</sup> January to 6<sup>th</sup> January 2018 on “**Machine Learning and Data Science in Engineering Research**” was designed to explore the statistical analysis techniques using Python and R programming language.

The One Week Short Term Training Programme (STTP-2018) started with lighting of lamp by the chief guest, Dr. Y. S. Rao (Vice-Principal, SPIT), Dr. Dhananjay Kalbande (SPIT, Mumbai), Prof. Sanjay Lunge (Principal, SAKP) (Guest of Honour), Mr. Sankalp Korde, and Dr. Alam N. Shaikh (Principal, PVPPCOE) followed by the singing of the Saraswati Vandana.

Before the welcome address by course coordinator, Dr. Alam N. Shaikh (Principal, PVPPCOE) felicitated Dr. Dhananjay Kalbande (SPIT, Mumbai) , Mr. Shailesh Mokashi (Registrar, PVPPCOE) felicitated Dr. Y. S. Rao (Vice-Principal, SPIT) and Prof. Vijay L. Salke (HOD, EXTC PVPPCOE) felicitated Prof. Sanjay Lunge (Principal, SAKP) (Guest of Honour).

A heart-warming welcome remark was delivered by Prof. Asha Rawat (Organizing Committee member of STTP 2018) and addressed the importance and contents of the training program. The session further continued with the address of Dr. Dhananjay Kalbande (SPIT, Mumbai), who enlightened the participants about the importance of such training programs and how such programs help in developing Research & Development culture in educational institutes. He even mentioned that the primary objective of this endeavor is to inculcate and nurture the culture of research amongst all of us and also guided us in how to integrate research in academics.

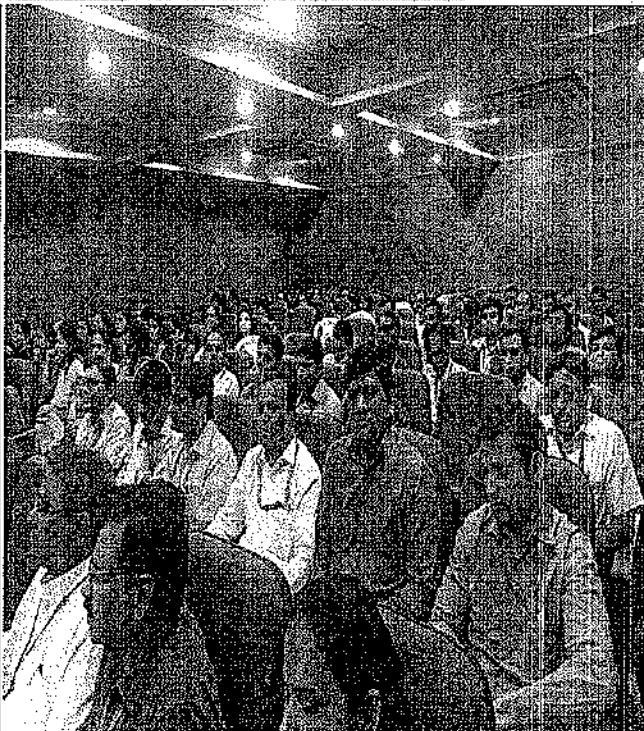
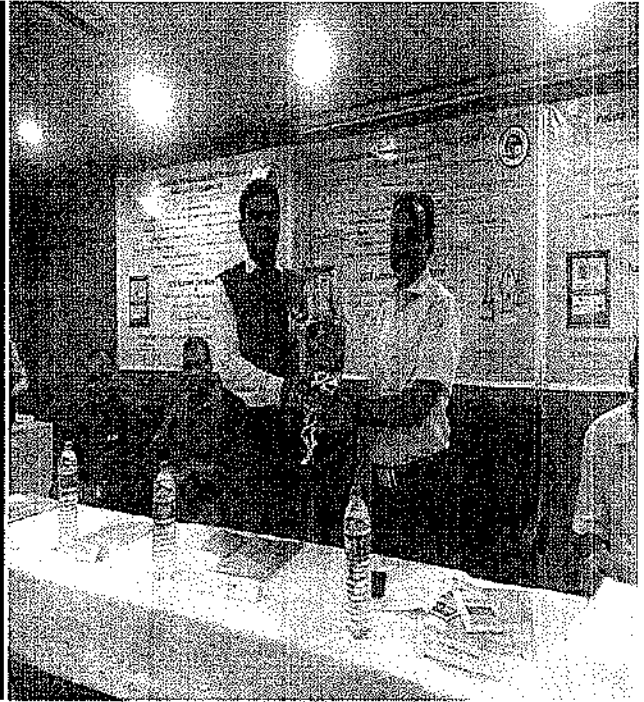
And session further continued with the address of our beloved Principal Dr. Alam N. Shaikh, he spoke about the initiatives of ISTE/STTP, the different programs conducted by them and encouraged participants to come forward and contribute effectively in such programs.

The last address of the session was Vote of Thanks given by Dr. Mahavir A. Devmane (HOD, Computer PVPPCOE).



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**DAY 1 – 02/01/18 (Tuesday)**

**Venue: - Computer Centre (CC -001)**

**Session 2**

**Time: - 11:15 am to 1:00 pm**

**Speaker: - Mr. Sankalp Korde**

**Topic Covered**

Hands on session by Mr. Sankalp Korde on

- What is Python, Features of Python and Applications of Python.
- How to install Python/Pycharm
- Basics of Python language with examples
- Data types in Python with examples

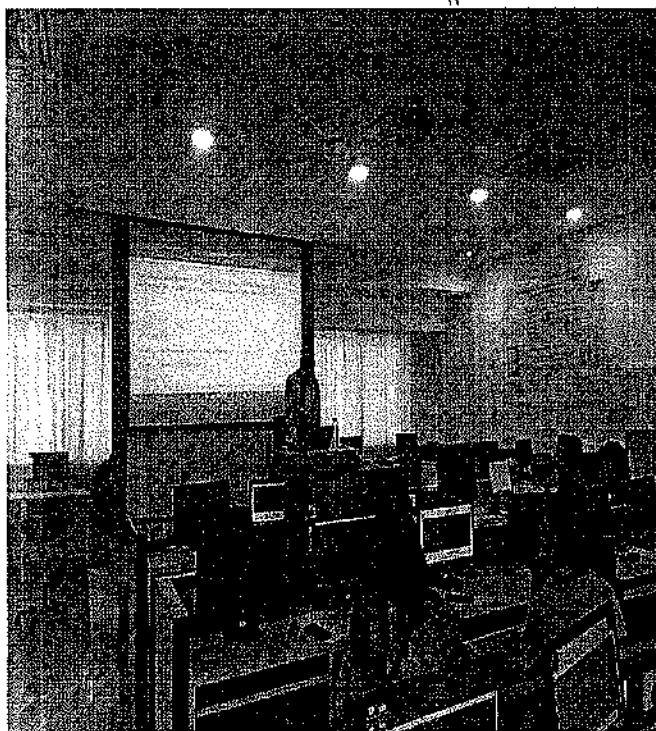
**Session 3**

**Time: - 2:00 pm to 5:00 pm**

**Speaker: - Mr. Sankalp Korde**

**Topic Covered**

Hands on session by Mr. Sankalp Korde on different Object Oriented Programming Concepts (Classes, Objects, Interface, Inheritance, Overloading etc) using Python with examples.





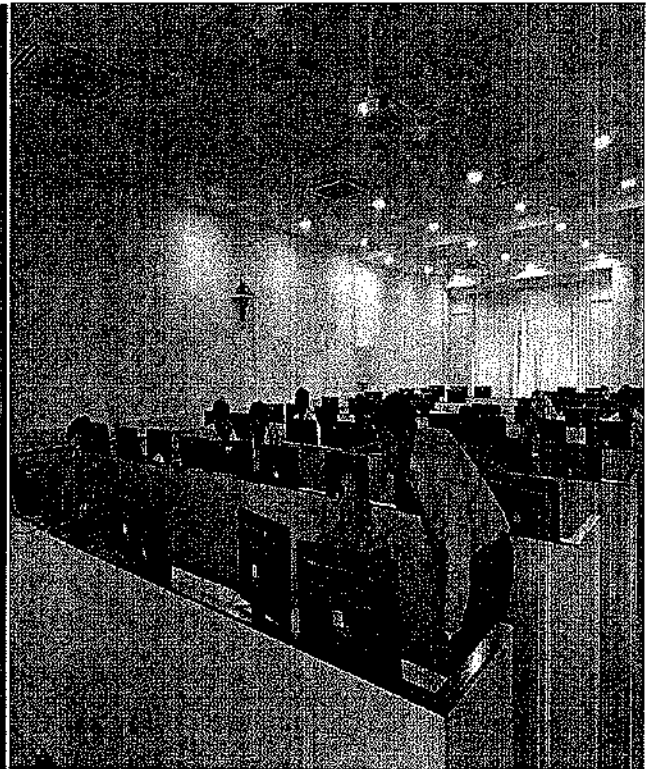
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**DAY 2 – 03/01/18 (Wednesday)  
Venue: - Computer Centre (CC -001)**

**Topic Covered**

- Mr. Sankalp Korde , Explained and Demonstrated how to Create Applications using GUI's in Python.
- He has also explained and demonstrated how to do Database Connectivity in Python.
- He continued further by how to install Python web framework “Django” and demonstrated how this framework enables for rapid development of secure and maintainable websites.





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**DAY 5 – 06/01/18 (Saturday)  
Valedictory Function**

- **Venue: - Seminar Hall**  
**Time: 2:00 PM to 5:00 PM**

The program ended with the valedictory function which was graced by the presence of Dr. Alam N. Shaikh (Principal, PVPPCOE), Mr. Shailesh Mokashi (Registrar, PVPPCOE) , Prof. Vijay L. Salke (HOD, EXTC PVPPCOE).

Dr. Alam N. Shaikh (Principal, PVPPCOE), in his valedictory talk, started with congratulating coordinators and organizing committee for the successful conduct of STTP-2018. He also explained the importance of “Machine Learning and Data Science in Engineering Research” to enhance research culture in this institute. He emphasized the need of such programs as they provide a unique opportunity to explore the boundaries of what is currently known in various domains of Engineering and Technology, through a range of research experiences. He also mentioned that such programs provide a common platform to discuss and learn new methodology to upgrade ourselves.

The function ended with a Vote of Thanks presented by Prof. Vijay L. Salke (HOD, EXTC PVPPCOE).

