



ST. FRANCIS INSTITUTE OF TECHNOLOGY (ENGINEERING COLLEGE)

(Roman Catholic Christian Minority Educational Institute)
(Approved by AICTE & Govt. of Maharashtra with permanent Affiliation to University of Mumbai)

P. B. No. 8456, Mt. Poinsur, S.V.P. Road, Borivli (West), Mumbai - 400 103.
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Ref:

Date :

21.02.2022

Summary Report of Professional Development /Administrative Training Programs Organized by the Institution

Academic Year	Number of Professional Development Programs Organized by SFIT	Total Participants
2020-21	3	53
2019-20	3	55
2018-19	4	61
2017-18	6	127



P. B. Bhal

PRINCIPAL
St. Francis Institute
Of Technology (Engg-College)
Mount Poinsur, S. V. P. Road,
Borivli (West), Mumbai - 400 103.

2020-21

For Whom

- ❖ Faculty members and Academicians
- ❖ Researchers and Ph.D. Scholars
- ❖ Practitioners from Industry
- ❖ U.G and P.G students

Registration Procedure

Registration Fees:

- ❖ All Participants have to pay 250 /-

Link for Registration:

<https://sfiterp.sfit.co.in:98/SfitEventRegForm.asp?event=9>

Number of seats is limited to 30 participants.

Important Dates

Registration opens: 1st June 2021

Last day of registration: 20th June 2021

Mode of Conduction: Google Meet platform

Resource Person: Eminent faculty from Reputed Institutes and Industry.

**“NO RESEARCH WITHOUT ACTION,
NO ACTION WITHOUT RESEARCH”**

KURT LEWIN

Patron/Chairman

Bro. Jose Thuruthiyil – Director, SFIT

Dr. Sincy George – Principal, SFIT

Convener

Dr. Kavita Sonawane

**Professor and Head- Department of
Computer Engineering, SFIT**

Coordinators

Ms. Jayashri Mittal

Ms. Safa Hamdare

Organizing Team

Dr. Nazneen Ansari

Mr. R.K. Shende

Ms. G. Anuradha

Ms. Vincy Joseph

Mr. S.S. Khan

Ms. Dakshata Panchal

Ms. Pradnya Rane

Ms. Nidhi Gaur

Address for Correspondence

Coordinators Name: Ms. Jayashri Mittal

Designation: Assistant Professor

Department: Computer Engineering

Email: jayashrimittal@sfit.ac.in

Contact No: 9987235000

Coordinators Name: Ms. Safa Hamdare

Designation: Assistant Professor

Department: Computer Engineering

Email: SafaHamdare@sfit.ac.in

Contact No: 9819737130



St. Francis Institute of Technology,
Department of Computer
Engineering

Announces

ISTE Approved

**One-week Short-term Training
Program (STTP) on**

***“Insights & Methodologies
towards Research & Research
Outcomes”***

21st June to 26th June, 2021

Mount Poinzur, S.V.P. Road, Borivali (West),
Mumbai 400103

Ph. No. 022-28928585/28908585

Website: <http://www.sfit.ac.in>

Email: imrro@sfit.ac.in

About the Institute:

St. Francis Institute of Technology was established in 1999 with a view to create highly competent engineering graduates who will be competent in exploring, developing and disseminating new knowledge in their areas of specialization. SFIT is a Roman Catholic Minority Educational Institute affiliated to the University of Mumbai, approved by AICTE and ISO 9001:2015 certified. At SFIT, we offer three U.G. Programs in the most coveted disciplines namely: Information Technology, Computer Engineering and Electronics & Telecommunication Engineering as well as Masters and Ph.D. programs in Computer Engineering and Electronics & Telecommunication Engineering. Moreover, U.G. programmes for Mechanical and Electrical Engineering have been recently introduced in July 2018.



About the Department of Computer Engineering:

Department of Computer Engineering was established in 1999 and currently offers Bachelors, Masters and Ph.D. degrees. The department consists of highly experienced faculty members well supported by a competent nonteaching support team.

About the Program:

The main purposes of research are to inform action, gather evidence for theories, and contribute to developing knowledge in a field of study. Research is a careful investigation or inquiry specifically through a search for new facts in any branch of knowledge. The process of research entails the logical as well as systematic search for useful data and information with regard to a specific topic. It is also comprised of the investigation of the best, most cost effective and appropriate solutions to both social and scientific issues, following an objective and logical analysis. The program is intended for students and research scholars of various domains. Various stages of research would be discussed in detail. Special care has been taken to motivate the young researchers to take up challenging problems.

Expected Outcomes:

1. Explain key research concepts and issues
2. Read, comprehend, and explain research articles in their academic discipline.
3. Apply for grant proposal and patents

Objective:

1. To enrich the prospective research scholars on various research methods, data acquisition, interpretation, statistical methods, writing of research paper and dissertation at one platform.
2. Reinforce the spirit of Research and its application amongst the faculty and students as research outcome in the form of grants and R & D projects.

Topics Covered:

1. Introduction to Research & Methods
2. Writing Research Proposal
3. Data Collection Tools
4. Quantitative Research Methodology
5. Qualitative Research Methodology
6. Research Paper Writing and Publication
7. Research Ethics and Plagiarism Tools
8. Effective grant Proposal writing
9. Expectations of Evaluators for Funded research project

Eminent Speakers:

1. Dr. B. Satyanarayana, TFIR
2. Dr. Vivek Agrawal, IIT-B
3. Dr. M. Bernard, IIT-B
4. Dr. Mirza Sarwar Baig, Jamia Hamdard
5. Dr. Amiya Tripathy, DBIT
6. Dr. Sandeep Joshi, PIIT
7. Dr. Satish Verma, PIIT

Report of the Sttp/Workshop

ISTE approved one-week Short Term Training Program

1. **Date of the STTP :** 21/06/2021 to 26/06/2021

2. **Title of the STTP:** Insights and Methodologies towards Research and Research Outcomes

3. **Topic of each session Day wise:**

Day	Session 1	Session 2	Session 3	Session 4
Day 1	Introduction to Research Process, Types of Research, research design	Introduction to Research Methods	Writing Research Proposal (SOP)	Data Collection tool
Day 2	Hands on session: Parametric Testing	Research Proposals vs Research Paper	Hands on session: Non-Parametric Testing	
Day 3	Quantitative Research: Correlational and Quasi-Experimental Research		Hands on Session: Statistics using R	
Day 4	Qualitative Research: Methodology and Testing methods		Hands on session: Data collection and testing tools in Qualitative Research	
Day 5	Publication of empirical papers in Indexed Journals	Research Ethics & Plagiarism Tools	Hands On Session: Writing Research proposal and Papers using LaTeX	
Day 6	Effective grant Proposal writing	Quiz	Expectations of Evaluators of Funded research project and what to	

			target	
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4. Name of the Speaker/Resource person with Affiliation with the institute/industry:

1. Dr. B. Satyanarayana, Scientific Officer (H), TIFR, Mumbai.
2. Dr. Bernard L. Menezes, Associate Professor , IIT-Bombay.
3. Dr. Vivek Agarwal, Professor, IIT-Bombay.
4. Dr. Amiya Kumar Tripathy, Professor, Computer Engineering, Don Bosco Institute of Technology, Mumbai-70.
5. Dr. Satishkumar L Varma, Professor & Head, Department of Information Technology, Pillai College of Engineering (PCE),New Panvel.
6. Dr. Sandeep M Joshi, Principal, Pillai College of Engineering (PCE), New Panvel.
7. Dr. Mirza Sarwar Baig, Research Associate, Dept. of Molecular Medicine, Jamia Hamdard, New Delhi-110062.
8. Dr. Sincy George, Principal, St. Francis Institute of Technology, Borivali, Mumbai.
9. Dr. (Mrs.) Joanne Gomes, Professor and Head,Department of Information Technology,St. Francis Institute of Technology, Borivali, Mumbai.
10. Mr. Santosh Chapaneri, Assistant Professor, Department of EXTC, St. Francis Institute of Technology, Borivali West, Mumbai.
11. Dr. Nazneen Ansari, Associate Professor, Department of Computer Engineering, St. Francis Institute of Technology, Borivali, Mumbai.
12. Dr. Kavita Sonawane, Professor and Head,Department of Computer Engineering, St. Francis Institute of Technology, Borivali, Mumbai.
13. Ms. Dakshata Mayur Panchal, Assistant Professor,Department of Computer Engineering,St. Francis Institute of Technology, Borivali, Mumbai.

5. Venue of the STTP: Platform used-Google meet

6. Duration of the Seminar: One week (6 Days)

7. Session details:

Session 1: (1hr) 10 a.m. to 11.30 a.m.

Session 2: (2hr) 11.45 a.m. to 1.15 p.m.

Session 3: (1hr) 2 p.m. to 3 p.m.

Session 4: (1hr) 3 p.m. to 4 p.m.

8. Conducted For: Faculties/ industry experts

9. Objective of the Workshop:

1. To enrich the prospective research scholars on various research methods, data acquisition, interpretation, statistical methods, writing of research paper and dissertation at one platform.

2. Reinforce the spirit of Research and its application amongst the faculty and students as research outcome in the form of grants and R & D projects

10. Contents of the Workshop

Day1 :

Session 1 & 2:

- Research Process
- Mathematical models
- Monte Carlo methods

Session 3: Research Proposal

- What is research
- why do people go to research
- skills required before and after phd
- Benefits of doing good research
- characteristics of a good researcher and issues
- Definition of Research Problem
- Formulation Research problem (Selection of interested area, Literature survey, narrow down the area of research, generate the new idea, Developing ideas through discussion and finalize the topic)
- How to evaluate the title.
- Statement of the proposal
- PHD content of research proposal

Session 4 : Data collection tool

- Introduction to data collection tools
- Challenges in connecting two different software
- Data collection methods
- Focus groups with advantages and disadvantages
- Observation
- Records and Documents
- Tools for interview (audio recording- video camera, photo interview/ photo diary, observations tools
- Recording sheets tools
- checklist tools
- Schedule to be filled by the researcher
- Field Observation log
- Focus group tools
- Case studies
- Tools for surveys and Questionnaires
- Apps for data collection and Research

Day2:

Session 1 & 3:

- Parametric testing
- Nonparametric testing
- Google colab hands on

Session 2: Research Proposal Vs. research paper

- What is a research proposal?
- What is a research paper?
- Details of the contents of the research paper and proposal.
- Difference in research paper and proposal
- Case studies for both

Day3:

Session 1 & 2: Quantitative Research: Correlational and Quasi-Experimental Research

- Research and Research methods
- Basic principles of Research design
- Primary quantitative research methods
- Data collection methodologies
- Data analysis techniques
- Types of quantitative research
- Different case studies
-

Session 3 and 4: Hands on Session: Statistics using R

- R Language
- R studio
- R commands

Day4:

Session 1, 2, 3:

- Research Methodology and its types
- Qualitative Research and its types
- Qualitative data analysis approach
- Qualitative Testing methods

- Triangulation in Qualitative Research
- How to build hypothesis

Day 5:

Session 1:

- How to structure the research paper?
- Details of the contents of research paper
- Guidelines for Publication of empirical papers in Indexed Journals

Session 2:

- Ethics to be followed in writing research paper
- Do's and Don't while writing research paper
- List and usage of various Plagiarism tool
- Discussion on Copyrights Infringement
- Discussion on Intellectual property

Session 3:

- What is Latex and its advantages?
- Hands On Session: Writing Research proposal and Papers using LaTeX

Day 6 :

Session1 : Effective grant Proposal writing

- Writing a good proposal
- Choosing a topic.
- Steps involved in Choosing a topic,
- Finding information "Literature Review"
- Problem in Definition & Title.
- Structure of Proposal
- Abstract/Execution : Summary
- Flowchart of plan, Checklist, Tips and Funding agencies

Session 2: Quiz sent to email

Session 3 : Expectations of Evaluators of Funded research project and what to target

- How to Write a Good proposal.
- What to Target while writing a proposal.
- Fund agency expectations.
- Types of Evaluation.
- Components of a Research proposal.
- Chances and reasons of Rejection.
- Do's and Don'ts while writing a proposal.

- Writing Skills

9. Description of the Entire Event

Overview of the session:

- Sessions include basics of research methodology to structuring research paper, Intellectual property, Copyrights Infringement issues and writing research papers using LATEX.

Technical Details:

- R programming, Latex hands on sessions were included in the event.

Regarding total number of participants:

- There were around 33 participants.

Overall feedback about the Workshop and about the resource person:

- All the sessions were very good and informative.

How do the objectives of the seminar meet the requirements?

- The participants were able to learn about various research methods, data collection interpretation, statistical methods with real life examples. The spirit of research was inculcated in research scholars/participants by various motivational sessions.
- Also they got insights on writing an effective research proposal and how to write an effective research proposal to be accepted for a research grant or any funding agency. The participants got hands-on experience in various tools like R programming and Latex to aid them in research work.

Photographs of the Workshop:

DAY1:

Academia, research and industry

- Academia refers to the work done in the schools, colleges, and universities, especially work which involves studying and teaching rather than practical or technical skills.
- Research is work that involves setting up experiments and/or systematically studying something and trying to discover new things about it.
- Industry is the work and processes involved in collecting raw materials, and making them into products in factories, or companies and services.
- Research can equally exist in universities (academia) and industries (equipment) due to specific reasons.




Zoom Meeting Controls

Participants (38)

- NIDHI GAUR (You)
- Satyanarayana Bheesette
- Satyanarayana Bheesette
- SAFA HAMDARE

Others in the meeting (34)

- AMANATALI PATHAN

Zoom Meeting Controls

Participants (38)

- NIDHI GAUR (You)
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- SAFA HAMDARE

Others in the meeting (34)

- AMANATALI PATHAN

REC

Topic: Newton's Second Law of Motion

- Statement:** The time rate of change of momentum of a body is equal to the resultant force acting on it.

$$F = ma$$

$$F = \frac{dp}{dt}$$


F ———> forcing function
 ———> net force acting on the object
 a ———> dependent variable (acceleration)
 m ———> parameter (mass of object)

- No independent variable is involved
- E.g., it can be used to determine the terminal velocity of a free-falling body near the earth's surface.

REC

The numbers at 'Nature'

- Impact factor: 41.456
- Nature didn't establish its peer review process until 1951, but has applied the process rigorously ever since.
- As a result, the quality of its content is thought to be unparalleled among all scientific journals.
- Getting work published in Nature can be quite difficult.
- Nature receives about 10,000 papers every year.
- Nature rejects 80 percent of them in the first round of the review process.
- The rest are sent to handpicked referees.
- Ultimately, Nature publishes about 7 percent of its submissions.



Zoom Meeting Controls

Participants (41)

- NIDHI GAUR (You)
- Satyanarayana Bheesette
- Faiz Rangari
- Satyanarayana Bheesette

Others in the meeting (38)

- Angelin Florence

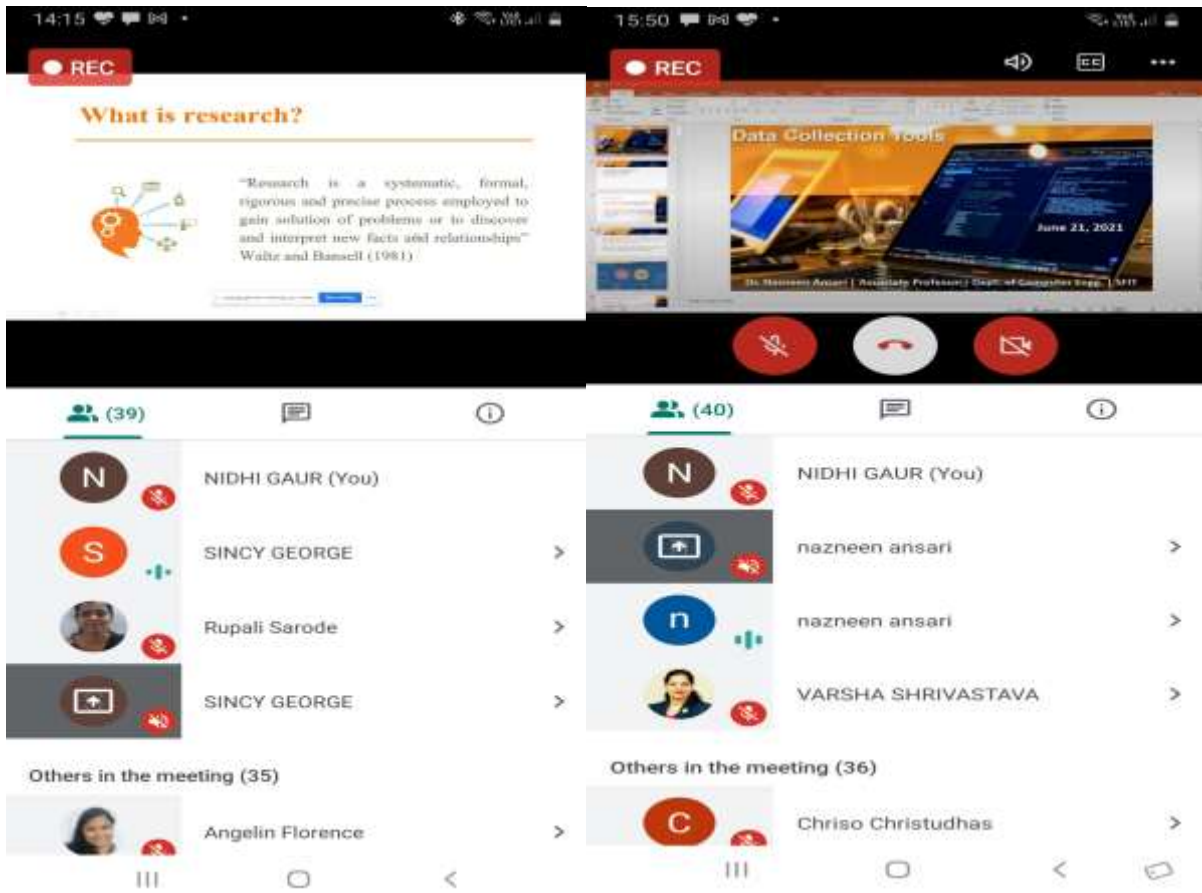
Zoom Meeting Controls

Participants (39)

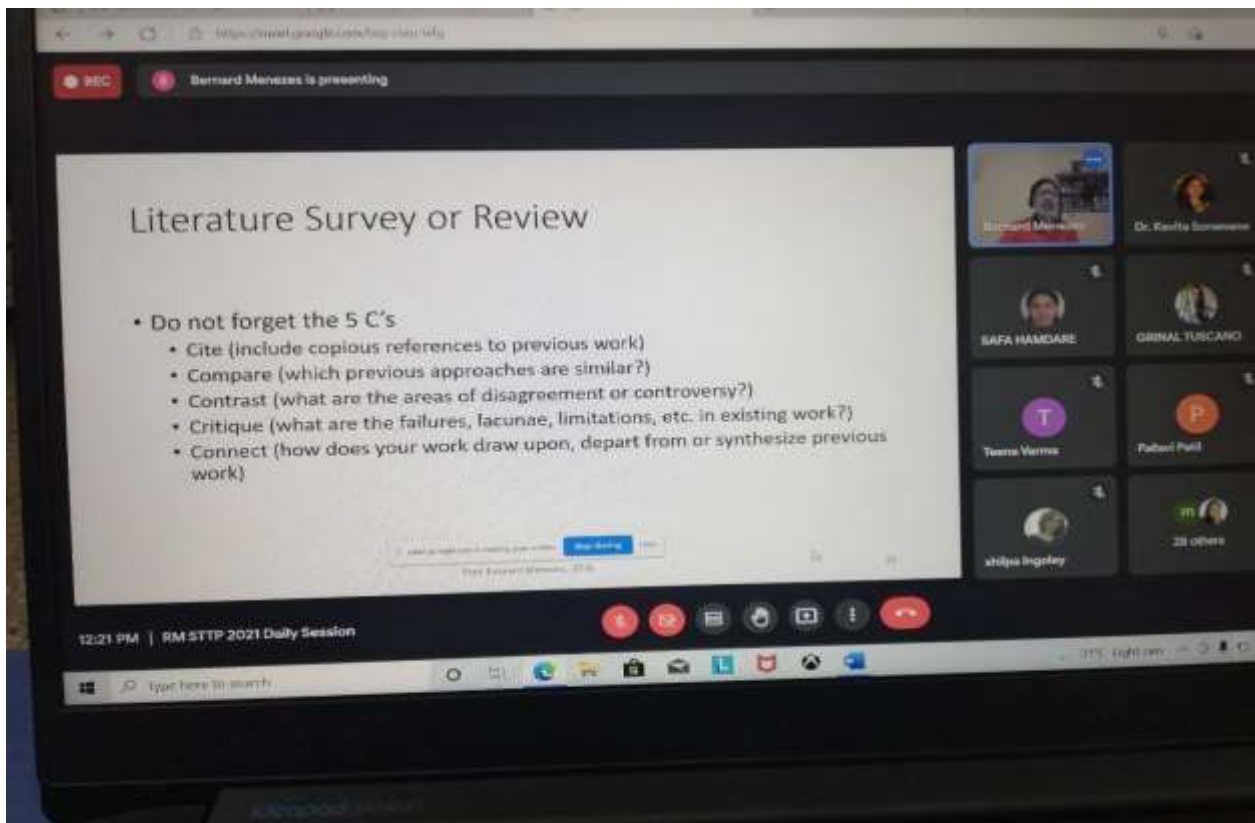
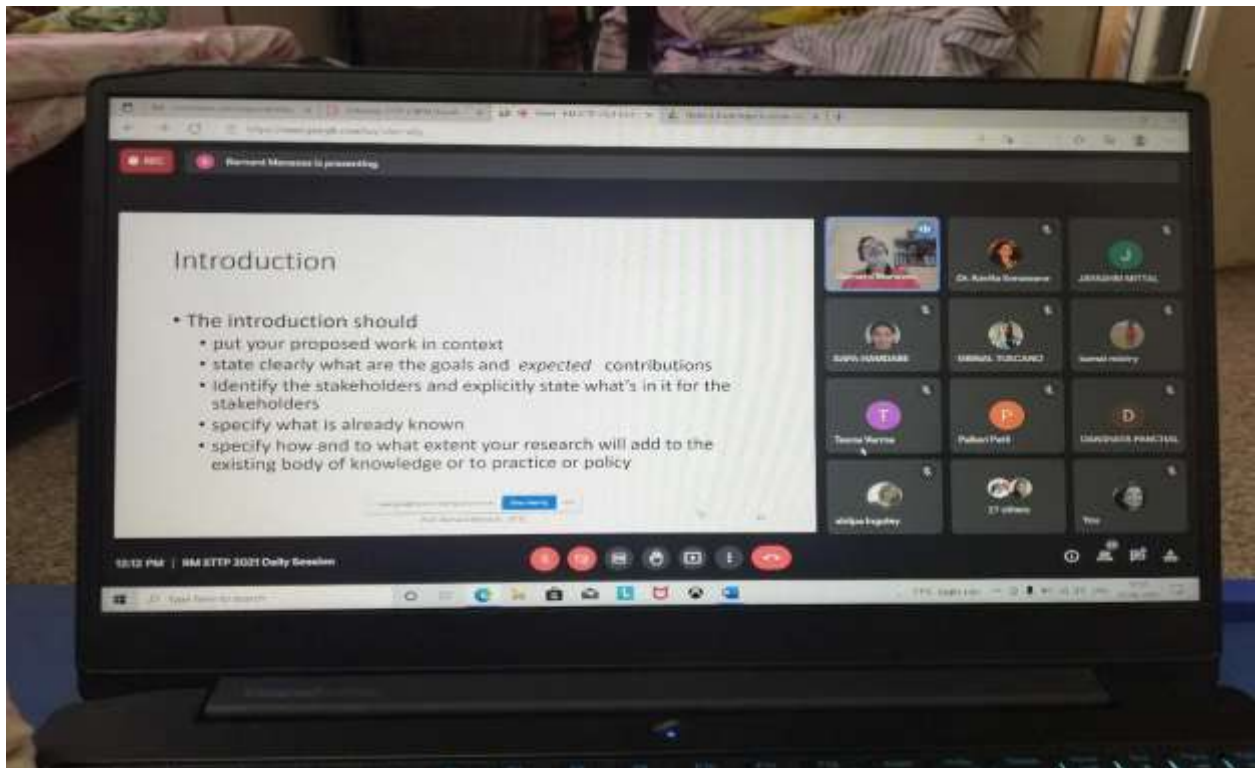
- NIDHI GAUR (You)
- Satyanarayana Bheesette
- Eduardus Hardika
- Satyanarayana Bheesette

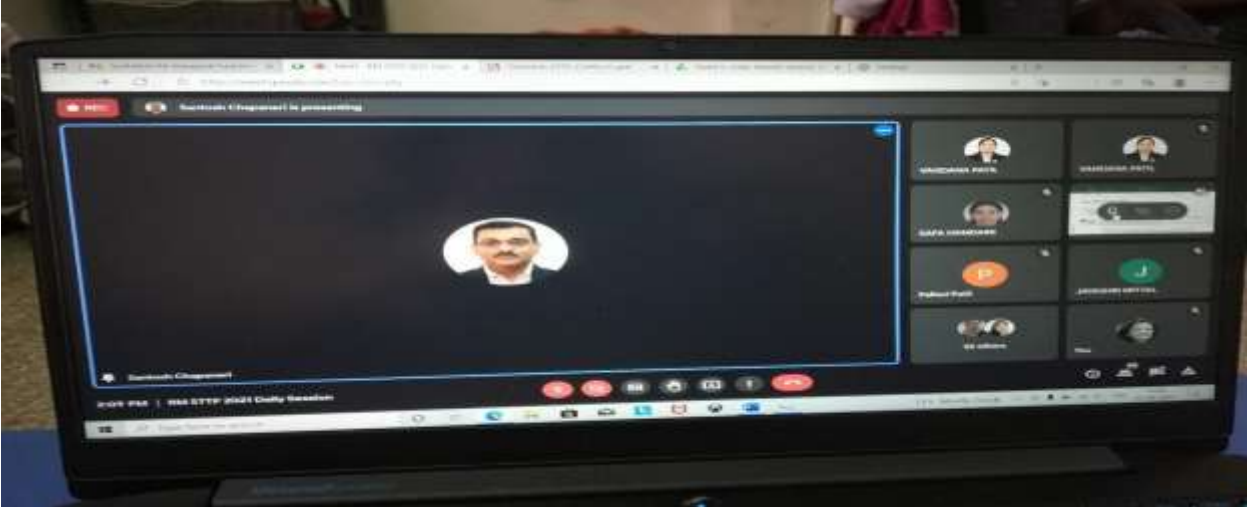
Others in the meeting (35)

- Angelin Florence



DAY2:







```

+ Code + Text
RAM 1
Disk

• KNN and Decision Tree classifiers

[6] from sklearn.utils import resample
    from sklearn.metrics import accuracy_score
    from sklearn.tree import DecisionTreeClassifier

stats_dt = []
for i in range(n_iter):
    train = resample(vals, n_samples = n_size)
    test = np.array( [ x for x in vals if x.tolist() not in train.tolist() ] )
  
```

0s completed at 2:14 PM

(42)



NIDHI GAUR (You)



Santosh Chapaneri



VANDANA PATIL



Santosh Chapaneri



Others in the meeting (38)



Angelin Florence



DAY3:

The image is a screenshot of a Google Meet session. At the top, the browser's address bar shows the URL `meet.google.com/bxy-clen-wfg`. The meeting interface includes a red 'REC' button in the top left, a status bar indicating 'Amiya Kumar Tripathy is presenting', and a large video window of the presenter. To the right of the video is a list of participants, including 'JAYASHRI MITTAL' and '31 others'. A taskbar at the bottom of the screen shows several open applications, including Microsoft Word files: '1624355471186_Day 3-Anchoring-VarshaS [Compatibility Mode] - Microsoft Word' and 'report-day3 [Compatibility Mode] - Microsoft Word'. The system clock in the bottom right corner displays '11:07 AM' and '23/06/2021'.

meet.google.com/bxy-cten-wfg

REC | Amiya Kumar Tripathy is presenting

Secondary quantitative research methods

- Data available on the internet
- Government and non-government sources
- Public libraries
- Educational institutions
- Commercial information sources

Amiya Kumar Tripathy

JAYASHRI MITTAL

31 others

You

11:04 AM | RM STTP 2021 Daily Ses...

meet.google.com/bxy-cten-wfg

REC | Amiya Kumar Tripathy is presenting

Types of Quantitative Research

- Descriptive
- Correlational
- Quasi-experimental
- Experimental

Amiya Kumar Tripathy

JAYASHRI MITTAL

32 others

You

11:09 AM | RM STTP 2021 Daily Ses...

Inbox (3,651) - varshanagpurkar Meet - RM STTP 2021 Daily

meet.google.com/bxy-cten-wfg

REC Amiya Kumar Tripathy is presenting

Determining the Type of Correlational Design

```

    graph TD
      A[Describe relationships between/among variables?] --> B[Descriptive correlational design]
      C[Predict relationships between/among variables?] --> D[Predictive correlational design]
      E[Test theoretically proposed relationships?] --> F[Model testing design]
  
```

12:10 PM | RM STTP 2021 Daily Ses...

JAYASHRI MITTAL

Amiya Kumar Tripathy

31 others

You

Inbox (3,651) - varshanagpurkar Meet - RM STTP 2021 Daily

meet.google.com/bxy-cten-wfg

REC Amiya Kumar Tripathy is presenting

Active Daily Living Routines Monitoring and Abnormalities Detection

HEALTHCARE + SMART HOME

Aggregating data will bring noticed if the home and you are concerned about the safety.

Wireless sensors throughout the house help measure health by activity levels, sleeping patterns and medication schedules.

Alerts are automatically sent to health care services and authorized family members if any abnormal activity is detected.

Detecting Deviations from Activities of Daily Living Routines Using Kinect Depth Maps and Power Consumption Data (2019), Himachi Paktostand-Dhe, Leisa Armstrong and Amiya Kumar Tripathy, Springer - Journal of Ambient Intelligence and Humanized Computing, Pp. 1-21, September 2019. <https://doi.org/10.1007/s12652-019-01447-3>

This work is carried out at ECU Australia

6/23/2021

12:31 PM | RM STTP 2021 Daily Ses...

Amiya Kumar Tripathy

JAYASHRI MITTAL

34 others

You

Qualitative research definition

Reveals What people think and Why they think so

QualR sometimes also called naturalistic inquiry to

- ▶ Obtain data through open-ended conversations
- ▶ Collect and analyse non-numerical data (text/video/audio)
- ▶ Understand concepts, opinions, or experiences
- ▶ Gather in-depth insights to generate new ideas for research
- ▶ Allow questioning of respondents based on responses^I
- ▶ Allow researcher to understand motivation and feelings
- ▶ Understand how audience decisions help derive conclusions
- ▶ Explore disciplines such as engineering/education/health/history/sociology/psychology/etc.



Qualitative research types

In-depth examine how people experience the world

- ▶ Each approach retains rich meaning while interpreting data
- ▶ Similarities in approaches, emphasize different aims and perspectives^I
- ▶ Each approach involve one or more data collection methods
- ▶ Researchers use common approaches for interpreting data

QualR Types	Purpose
Phenomenological	Investigate phenomenon/event by interpreting lived participants experience
Ethnography	Understand their cultures immerse themselves in groups or organizations
Historical Research	Collet past to examine what happened in present and will happen in future
Action research	Link collaboratively theory to practice to drive social change
Case Study	Study of a single case/problem of an individual or group of people
Narrative research	Examine how stories told to understand how participants perceive/sense
Grounded theory	Collect rich/root data on a topic of interest and develop theories inductively



Qualitative testing methods

Combination of QualR and QuanR methods

- ▶ Researcher test multiple concepts/products to optimize insight
- ▶ Balance between qualitative and quantitative data to analyse results

Testing Method	Definition	Example
Direct Exploration	Used in initial phases of testing and relies on open-ended and unaided f/b	VSAT need to understand feelings of consumers and developed innovative packaging to address need
Monadic Testing (Paired Testing)	Provide individual concept/product or a stimulus and no direct comparisons	VSAT after exploring feedback provide new package idea to support reactions/interests/concerns
Sequential Monadic Testing	Involves stimuli but show alternate design option for understanding small differences and preferences	VSAT testing a new design vs. current product where researcher shows 2 groups new design 1st & current design 1st to evaluate designs to improve with f/b
Discrete Choice Testing	Like MT, respondents given a options set & asked to make a discrete choice	VSAT wants to understand audience preferences for font/icons/description & benefits listed on package



DAY 5:



(29) [Messages] [Info]

- NIDHI GAUR (You)
- Dr. Kavita Sonawane **NEW**
- UMA GURAV >
- Dr. Kavita Sonawane >

Others in the meeting (25)

- Angelin Florence A >

[Menu] [Home] [Back]

REC

OUTLINE...

- What is Research?
- What is Research Paper?
- Why & When should We Write a Research Paper?
- Expectations from the Research Paper
- How to begin for writing research paper?
- Tips for writing Research Papers
- General Structure of Research Paper
- What are High Impact Factor Journals?
- Summary



Faculty Information: 9422771-100

(33)



NIDHI GAUR (You)



Dr. Kavita Sonawane



Dr. Kavita Sonawane



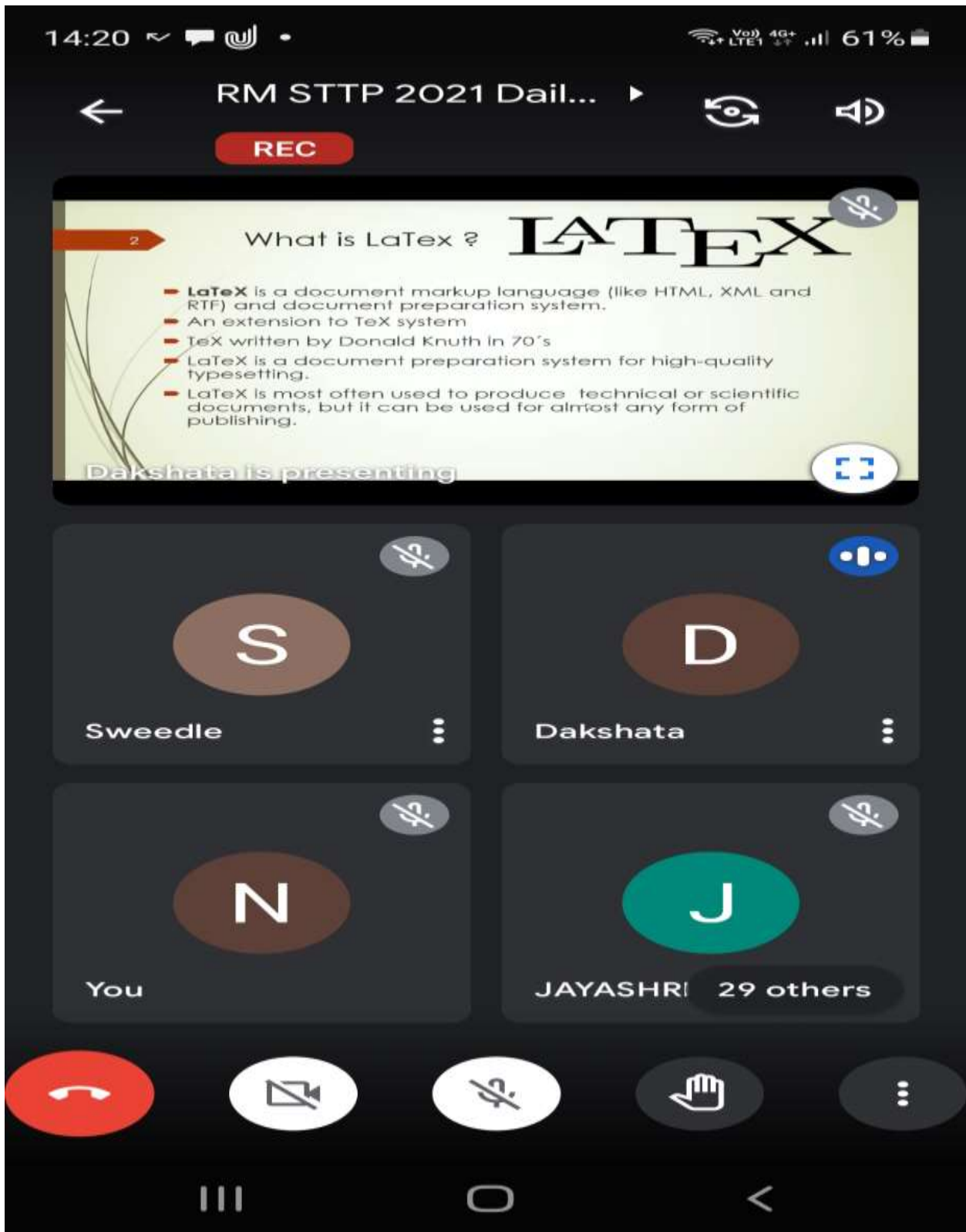
VANDANA PATIL

Others in the meeting (29)



Angelin Florence A





Day 6:



(26)



NIDHI GAUR (You)



Sandeep Joshi



SAFA HAMDARE



Sandeep Joshi



Others in the meeting (22)



Angelin Florence A



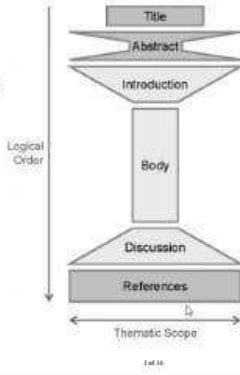
REC

INTRODUCTION

Writing a Good Research Proposal



- *Writing Appropriate Proposals for Funding is an Important Area of Concern in Research.*
- *Research Proposals are Important for both*
 - ✓ The researchers to design and plan their research and
 - ✓ The sponsor agencies to evaluate it in the pre-sanction phase and to monitor its progress in the implementation phase
- *Research Proposal in Academia is a Document*
 - ✓ Generally constitutes a request for sponsorship.
- *Research Proposals are Evaluated on the*
 - ✓ cost and potential impact of the proposed research, and
 - ✓ soundness of the proposed plan for carrying it out



Prepared by Sandeep S. Joshi on 24/02/2021 at 10:12 (GMT+5:30)
Serial no. 101000019-0000-0001-0001-0001-0001-0001-0001-0001-0001-0001

(26)



NIDHI GAUR (You)



Sandeep Joshi



SAFA HAMDARE



Sandeep Joshi



Others in the meeting (22)



Angelin Florence A



Abstract/Executive Summary/Summary



One page Summary of the Entire Proposal

substitute as a highly aggregated s

extracts everything relevant from the proposal such as

- Objectives
- Methods employed in solving he problem
- Results obtained and conclusions drawn

ative or Descriptive

Description of the contents of the proposal Serves as

ict/ES/Summary Progresses in a Similar Way as the Com

otivation need and background

(40)



NIDHI GAUR (You)



Sandeep Joshi



SAFA HAMDARE



Sandeep Joshi



Others in the meeting (36)



Angelin Florence A



Beig Mirza Sarwar is presenting

Expectations of Evaluators of Funded Research Project

- Relevance:** Why do you want to do this research? (Single person to invest)
 Will this research add to the state of knowledge? (Publications)
 What is the expected outcome? (patents/ industrial applications)
should have a global/local societal and economic impact
Research merit and knowledgeability
 How are you doing the research? (methods)
 What is your qualification to do the research?
- Feasibility:** Can you achieve the goals with your team?
 Can you achieve the goals within the time horizon?
 Can you achieve the goals with the expected resources? (budget)
Proposals should list all the resources of funding agencies and should state allowed budget

2:10 PM | RM STTP 2021 Daily Session

32°C Light rain 6/28/2021

Beig Mirza Sarwar is presenting

How to write a good research proposal?

- 1** Be practical-balanced with a realistic understanding of what can be achieved
- 2** Be a good planner-survey the gaps in literature and develop new avenue to the chosen research
- 3** Be persuasive-to convince reviewers, funding agencies, educational institutions and supervisors that the research is worthy
- 4** Be crystal clear-proposal should be clearly stated in a simple language in such a way that non-specialists can comprehend
- 5** Be a good finisher-Objectives should be achievable within stipulated time-line
- 6** Make broader links-by social-networking or engineering with scientific community

2:21 PM | RM STTP 2021 Daily Session

32°C Light rain 6/28/2021

REC Baig Mirza Sarwar is presenting

Proposal Writing skills

- Before you write proposal, read and learn from others experiences!
- Use Simple, unbiased and direct language
- Strictly follow the recommended structure and format of funding agency
- Abbreviations should be explained once (in the beginning)
- Be clear, concise, complete and coherent (CCCC)
- Get to the point quickly and stick to it!
- Cite only references that are relevant and absolutely necessary
- Include only graphical elements that are necessary
- Do generate some preliminary data or information
- Use standard units and abbreviations, and be consistent
- Don't use vague words like "a large area" rather "3.5 million"
- Use a Spell Checker to prevent typographical errors in spelling (very annoying for a reviewer)

2:26 PM | RM STTP 2021 Daily Session

ANNIES MINU
SAFA HAMDARE
Mandalapu SrinivasaRao
30 others
You

32°C Light rain 2:26 PM 6/26/2021

Valedictory:

15:35

REC

(39)

NIDHI GAUR (You)

Dr. Kavita Sonawane

Baig Mirza Sarwar

SAFA HAMDARE

Others in the meeting (35)

AMANATALI PATHAN



(45) [chat icon] [info icon]

[mute icon] [video icon]

[bell icon] Madhu Nashipudimath >

[J icon] JAYASHRI MITTAL >

[video icon] Baig Mirza Sarwar >

Others in the meeting (41)

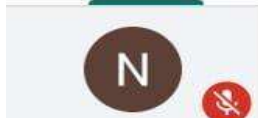
[profile icon] AMANATALI PATHAN >

[profile icon]

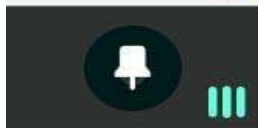
[mobile navigation icons]



(45)



NIDHI GAUR (You)



JAYASHRI MITTAL



ANNIES MINU



Vivian Lobo



Others in the meeting (41)



AMANATALI PATHAN



RM-STTP ATTENDANCE

Sr. No	Reg. No.	Name	6/21/2021	6/22/2021	6/23/2021	6/24/2021	6/25/2021	6/26/2021	Total	%
1	E9R337	Mrs. Shubhada Sachin Labde	P	P	P	P	P	A	5	84
2	E9R339	Nisha Ameya Vanjari	P	P	P	A	P	P	5	84
3	E9R341	Dr. Sharmila Sengupta	P	P	P	A	P	P	5	84
4	E9R342	Teena Varma	P	P	P	P	P	P	6	100
5	E9R343	Shilpa Ingoley	P	P	P	P	P	P	6	100
6	E9R347	Neelam Phadnis	P	P	P	P	A	P	5	84
7	E9R348	Lifna C S	P	P	P	P	P	P	6	100
8	E9R353	Dr. Madhu N	P	A	P	P	P	P	6	100
9	E9R356	Sanam Salman Kazi	P	P	A	P	P	P	5	84
10	E9R357	Mrs.Jyoti Amol Gaikwad	P	P	P	P	P	P	6	100
11	E9R360	FAIZ ZAKERIYA RANGARI	P	P	P	P	A	P	5	84
12	E9R361	Rupali Sanjay Sarode	P	P	P	P	P	P	6	100
13	E9R364	Pradnya Rane	P	P	P	P	P	P	6	100
14	E9R365	SNEHAL KULKARNI	P	P	P	P	P	P	6	100
15	E9R366	RAJKUMAR SHENDE	P	P	P	P	P	P	6	100
16	E9R367	Vishwajit Balaso Gaikwad	P	P	P	P	P	P	6	100
17	E9R370	Vivian Brian Lobo	P	P	A	P	P	P	5	84
18	E9R371	Mr. Ronald Laban	P	P	P	P	P	P	6	100
19	E9R372	Ms. Shraddha More	P	P	P	A	P	P	5	84
20	E9R373	VANDANA ASHISH PATIL	P	P	P	P	P	P	6	100
21	E9R374	Dakshata Panchal	P	P	P	P	P	P	6	100
22	E9R375	JAYASHRI MITTAL	P	P	P	P	P	P	6	100
23	E9R376	Angelin Florence A	P	P	P	P	P	P	6	100
24	E9R377	SAFA SALMAN HAMDARE	P	P	P	P	P	P	6	100
25	E9R378	SHAMSUDDIN S KHAN	P	P	P	P	P	P	6	100
26	E9R379	VARSHA SHRIVASTAVA	P	P	P	P	P	P	6	100
27	E9R380	SHILPA CHAMAN	P	P	P	P	P	P	6	100
28	E9R381	NIDHI GAUR	P	P	P	P	P	P	6	100
29	E9R382	GRINAL MERWIN TUSCANO	P	P	P	P	P	P	6	100
30	E9R383	Dr. Kavita Sonawane	P	P	P	P	P	P	6	100
31	E9R384	Varsha Nagpurkar	P	P	P	P	P	P	6	100
32	E9R385	PALLAVI Y. PATIL	P	P	P	P	P	P	6	100
33	E9R387	Dr. Madhuri pravin Borawake	A	P	P	P	P	P	5	84

SFIT



*Computer Engineering
Department*

28/06/2021-02/07/2021

DevOps

OBJECTIVES

GIT AND GITHUB-INTRODUCTION

DOCKER-CONTAINERIZATION

ANSIBLE-CONFIGURATION MANAGEMENT

JENKINS

Co-ordinators

Mrs. Anuradha Srinivasaraghavan

Mrs. Vincy Joseph

Mr. Rupesh Mishra



St. Francis Institute of Technology
DEPARTMENT OF COMPUTER ENGINEERING &
SKILL DEVELOPMENT CELL

List of Faculty attended the course

Value-Added Course on “DEV-OPS”

Sr. No	Name
1	Dr. Nazneen Ansari
2	Ms. Anuradha Srinivasaraghvan
3	Ms. vincy Joseph
4	Mr. Rupesh Mishra

Dr. Kavita Sonawane
HOD, COMP



St. Francis Institute of Technology
DEPARTMENT OF COMPUTER ENGINEERING &
SKILL DEVELOPMENT CELL

Report

30-hour value-added course on “DEV-OPS”

Event Date: **28th June 2021 - 2nd July 2021**

Time: **10:00 am to 4:00 pm (6 Hrs)**

Venue: **Online (TEAMS)**

No. of Registered Students: **117 (SE/TE CMPN)**

No. of students eligible for certificates:

Resource Person:

Mr. Mahendra Mehra (Asst. Professor, Fr. Conceicao Rodrigues College of Engineering, Bandra)

A. Description:

As a part of Academic Activity of the CMPN Department, a series of sessions are arranged every semester to bridge the gap in the syllabus. This semester for the second-year students of CMPN Department of 2020-2021 batch, a Seminar was conducted on “DEVOPS” from 28/06/2021 to 02/07/2021 in online mode using microsoft teams.

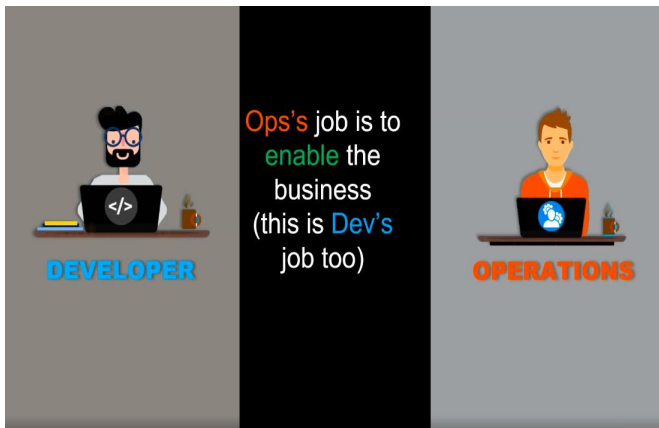
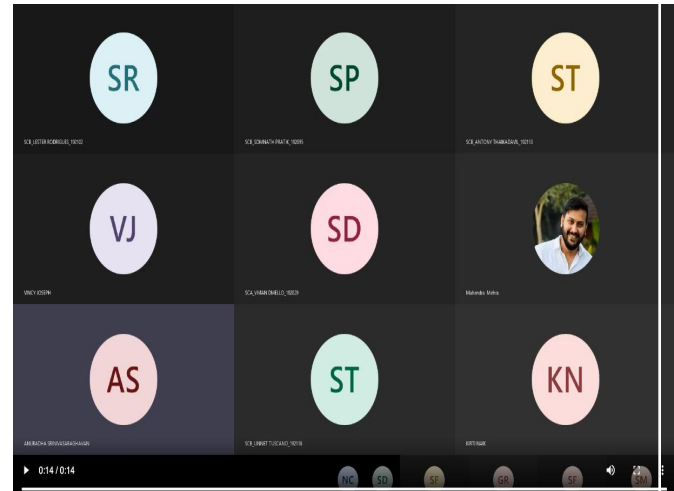
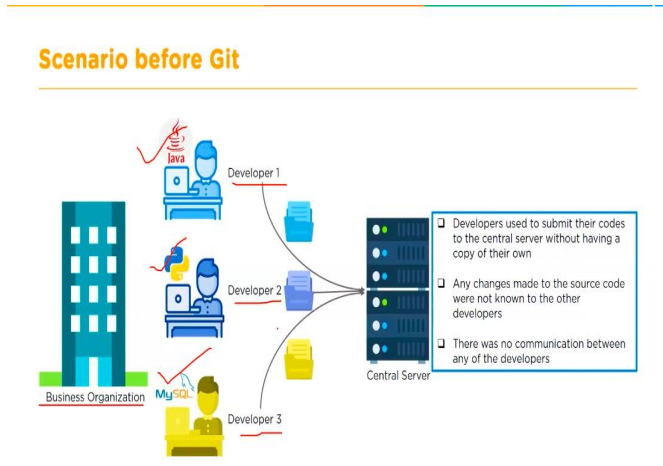
The major objective of the session was to familiarize the attendees with applications of DevOP technology in the domain of Software Engineering

The following topics were covered during the session:

1. Introduction to Linux and Cloud Computing
2. How to use GIT and GitHub?
3. How to use Dockers
4. How to use ANSIBLE
5. Modern technology use of DevOps to manage project development in AWS Cloud

The session was a big success, as all the participants had shown keen interest in this upcoming technology and asked many questions related to the topic. The Resource Person delivered an excellent session giving insights in DevOp usage. The software deployment management in the cloud environment was the major topic that was covered. The response and feedback from the participants about the session was very good and as per the feedback, they would want to attend more sessions like this in future.

Images of the Session:



```
root@ip-172-31-11-175:~/home/ubuntu# docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED    STATUS    PORTS
82a6a58574c7   nginx    "/docker-entrypoint..." 5 minutes ago  Up 5 minutes  0.0.0.0:80->80/tcp, :::80->80/tcp
root@ip-172-31-11-175:~/home/ubuntu# docker exec -it 82a bash
root@82a6a58574c7:/# tail -f /var/log/error.log
tail: cannot open '/var/log/error.log' for reading: No such file or directory
tail: no files remaining
root@82a6a58574c7:/# tail -f /var/log/nginx/error.log
^C
root@82a6a58574c7:/# ^C
root@82a6a58574c7:/# ls
bin   dev          docker-entrypoint.sh  home  lib64  mnt  proc  run  srv  tmp  var
boot  docker-entrypoint.d  etc                   lib   media  opt  root  sbin sys  usr
root@82a6a58574c7:/#
```


115	SAKSHI TOKEKAR	182118	TE	P	P	P	P	P	P	P	P	P	P
116	FARHAN SHAIKH	182105	TE	P	P	P	P	P	P	P	P	P	P
117	NAMAN	192021	SE	P	P	P	P	P	P	P	P	P	P

B. Workshop

Feedback: Student

Feedback:

Day 1

https://docs.google.com/spreadsheets/d/1OPGIQBcFRgbK5-hEBFvOj_SI5x61dB2j0zCfhFntg3s/edit#gid=1413580527

<https://docs.google.com/spreadsheets/d/13LLRPIMRyB0isziXpvDP8YA-ng7MfoVfZCqzIA4CKNk/edit#gid=1359771178>

Day 2

https://docs.google.com/spreadsheets/d/1qKwrZ5h29C_BWvKuMUksZMKCPKd031qWRmhpZE6eNGk/edit#gid=3530218

96

https://docs.google.com/spreadsheets/d/1fgZXFrHoDgGeQqAGsXkaB9II_y_gAjrOMcmXnDCGIh8/edit#gid=1095848165

Day 3

<https://docs.google.com/spreadsheets/d/1LwDPgU41LwQvI2Gm9eWg6YrigOZSiJ9l3bm9C3dHsYg/edit#gid=469910416>

<https://docs.google.com/spreadsheets/d/1pYEaLFg1kq-cPGI3AdrZgHOYJZ5pnMyvuYDb3LWXl0o/edit#gid=1566080063>

Day 4

<https://docs.google.com/spreadsheets/d/1CZQqWWCnU3JcIJ93bxgi32LmCtal-LyPp7mVP5y7PWk/edit#gid=194593267>

https://docs.google.com/spreadsheets/d/1SMbwGi2x-8Ly0WhDbU61yk7jktu_GcjuVeRna32VuiM/edit#gid=1061195292

Day 5

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<https://docs.google.com/forms/d/1vCyAhRRsnAoAC-exYIVXOapbNk0Vfh6awyDBrl6VgJ0/edit#responses>



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	B	C	D	E	H	I	J	K	L	M	
1	Name of the Student	PID	Class and Division	Roll no	The session met my expectations	The content was helpful	The speaker had good understanding of the topics taught	The speaker has good communication skills	The session was worth my time	The length of session was appropriate	Additional
2	Sarthak Dharia	192026	SEA	24	Good	Good	Good	Good	Good	Good	
3	Arshan Mandar Bhanage	192010	TEA	10	Fair	Fair	Good	Good	Good	Fair	
4	Munduchirackal Luke Ric	192071	TEA	71	Fair	Good	Good	Fair	Fair	Fair	
5	Alvin Alexander Solomon	192111	SEB	34	Very Good	Very Good	Very Good	Very Good	Fair	Fair	
6	Orvil D'silva	192020	SEA	29	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	
7	Joel Dsouza	192033	SEB	50	Very Good	Very Good	Good	Good	Very Good	Good	
8	Vivek Valerian Pinto	192092	SEB	17	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	
9	Rutuja Dherange	192027	SEA	25	Good	Good	Good	Good	Good	Fair	
10	Farhan Shaikh	182105	TEB	14	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	
11	Sherine Sebastian	192001	SEA	4	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	
12	Priyen Dsouza	182032	SEB	53	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	
13	Rohan Tondlekar	192116	SEB	39	Fair	Good	Good	Fair	Fair	Fair	
14	Darren Noronha	182078	TEA	70	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good	
15	nipun.henriques@studen	182041	SEB	51	Good	Good	Good	Good	Good	Good	
16	Riddhi Bharat Sansare	192103	SEB	26	Very Good	Excellent	Excellent	Excellent	Excellent	Excellent	
17	Alister D'monte	192019	SEA	28	Very Good	Very Good	Very Good	Very Good	Good	Excellent	
18	Aditi Desai	192024	SEA	22	Excellent	Very Good	Good	Very Good	Very Good	Good	

Sr. No.	PID	NAME	Class
1	192054	VINI KANDANKULATHIL	COMP Second Year A
2	192047	SIDDHI GHARAT	COMP Second Year A
3	192050	SHUBHAM JHA	COMP Second Year A
4	192071	LUKE RICKY MUNDUCHIRACKAL	COMP Second Year A
5	192062	NIGEL MALAPPAN	COMP Second Year A
6	192069	YASH MIRAJKAR	COMP Second Year A
7	192020	ORVIL D'SILVA	COMP Second Year A
8	192059	BASIL KOLI	COMP Second Year A
9	192030	LEAH DSOUZA	COMP Second Year A
10	192032	NAMITHA DSOUZA	COMP Second Year A
11	192040	CYRUS MELROY FERNANDES	COMP Second Year A
12	192044	COLLIN FERREIRA	COMP Second Year A
13	192007	ADMON ALOZ	COMP Second Year A
14	192002	FRANKLIN	COMP Second Year A
15	192016	ALASTER CHEERAMKUZHYIL	COMP Second Year A
16	192049	SURAJ GUPTA	COMP Second Year A
17	192045	SHAUN FIGUEIRO	COMP Second Year A
18	192126	MONISH RAVAL	COMP Second Year A
19	192008	ISHAAN BANDEKAR	COMP Second Year A
20	192046	SUVED GANDURI	COMP Second Year A
21	192063	VAISHNAVI MALGUNDKAR	COMP Second Year A
22	192024	ADITI DESAI	COMP Second Year A
23	192013	JANICE CHAKALAKAL	COMP Second Year A
24	192058	SHINY KHOOTOZHATHIL	COMP Second Year A

25	192043	NIGEL KEITH FERNANDES	COMP Second Year A
26	192061	PRATIK MAHANKAL	COMP Second Year A
27	192027	RUTUJA DHERANGE	COMP Second Year A
28	192034	REBECCA AURELIA DSOUZA	COMP Second Year A
29	192057	MEDHASHAKTI KHATRI	COMP Second Year A
30	192038	RALPH DSOUZA	COMP Second Year A
31	192060	NIGEL LOBO	COMP Second Year A
32	192004	ELEESA	COMP Second Year A
33	192051	BIBIN JOSEPH	COMP Second Year A
34	192072	SARAVANA SUNDAR NADAR	COMP Second Year A
35	192041	JAMES FERNANDES	COMP Second Year A
36	192070	JANICE MONTEIRO	COMP Second Year A
37	192067	VISHWA MHATRE	COMP Second Year A
38	192029	VIVIAN DMELLO	COMP Second Year A
39	192003	AARON	COMP Second Year A
40	192006	JEMIL ALMEIDA	COMP Second Year A
41	192005	JONATHAN ALMEIDA	COMP Second Year A
42	192019	ALISTER D'MONTE	COMP Second Year A
43	192048	STEVE GONSALVES	COMP Second Year A
44	192068	SAI MHATRE	COMP Second Year A
45	192075	SAMARTH NAIKDHURE	COMP Second Year A
46	192042	ALWYN FERNANDES	COMP Second Year A
47	192037	JASON DSOUZA	COMP Second Year A
48	192012	JADEN BUTELHO	COMP Second Year A
49	192025	ADVAIT DHAMNASKAR	COMP Second Year A
50	192039	JONATHAN DSOUZA	COMP Second Year A
51	192031	JUSTIN DSOUZA	COMP Second Year A
52	192011	JOYSTON BRITTO	COMP Second Year A
53	192026	SARTHAK DHARIA	COMP Second Year A
54	192028	SUZANNE DMELLO	COMP Second Year A
55	192023	COLLIN DBRITTO	COMP Second Year A
56	192052	CHRISTO JOSH Y	COMP Second Year A
57	192009	PRAJWAL BAWANKULE	COMP Second Year A
58	192015	REUBEN CHATTERJEE	COMP Second Year A
59	192055	YUGANDHAR KHAIR	COMP Second Year A
60	192056	OBAID KHAN	COMP Second Year A
61	192066	KARTHIK MENON	COMP Second Year A
62	192022	DHVANI DAVE	COMP Second Year A
63	192001	SHERINE	COMP Second Year A
64	192010	ARSHAN BHANAGE	COMP Second Year A
65	192064	ESHA MARTIS	COMP Second Year A
66	192065	EKTA MASRANI	COMP Second Year A
67	192018	REO CORREIA	COMP Second Year A
68	182041	NIPUN HENRIQUES	COMP Second Year B
69	192085	KARTIK PARMAR	COMP Second Year B
70	192111	ALVIN SOLOMON	COMP Second Year B

71	192095	SOMNATH PRATIK	COMP Second Year B
72	192099	AVNISH RAUT	COMP Second Year B
73	192116	ROHAN TONDLEKAR	COMP Second Year B
74	192123	VAIBHAVI WELIS	COMP Second Year B
75	192124	PRANAV YADAV	COMP Second Year B
76	202262	MOHAMMAD HUSSAIN SHAIKH	COMP Second Year B
77	192033	JOEL DSOUZA	COMP Second Year B
78	192102	LESTER RODRIGUES	COMP Second Year B
79	192110	JAIMIN SOLANKI	COMP Second Year B
80	192107	SARA SHAIKH	COMP Second Year B
81	192079	RYAN NAYAK	COMP Second Year B
82	182032	PRIYEN DSOUZA	COMP Second Year B
83	182020	SEAYON D'SILVA	COMP Second Year B
84	192093	DOMINGOS JULIO PINTO	COMP Second Year B
85	192078	SANIYO NARLEA	COMP Second Year B
86	192103	RIDDHI SANSARE	COMP Second Year B
87	192077	NIKHIL NAIR	COMP Second Year B
88	202255	BLAISE DMELLO	COMP Second Year B
89	202252	FRISAN DABRE	COMP Second Year B
90	202260	LINSON RODRIGUES	COMP Second Year B
91	202253	SNEDAN DABRE	COMP Second Year B
92	192101	LIAN REBELLO	COMP Second Year B
93	202259	GLEN RODRIGUES	COMP Second Year B
94	202251	ARON DABRE	COMP Second Year B
95	192118	LINNET TUSCANO	COMP Second Year B
96	192092	VIVEK PINTO	COMP Second Year B
97	202258	KEVIN PARMAR	COMP Second Year B
98	202261	YASHVI SHAH	COMP Second Year B
99	202256	SALONI KHATU	COMP Second Year B
100	192082	AARON NELSON	COMP Second Year B
101	192086	SIDDHARTH PASALAPUDI	COMP Second Year B
102	192117	PRACHIT TUPE	COMP Second Year B
103	192105	SWASTIK SAWANT	COMP Second Year B
104	192100	BEN RAY	COMP Second Year B
105	192087	DWARKESH PATEL	COMP Second Year B
106	192113	ANTONY THAIKADAVIL	COMP Second Year B
107	192106	LIAN SEQUEIRA	COMP Second Year B
108	192097	JANHAVI RANE	COMP Second Year B
109	192081	YOGESH NAYAL	COMP Second Year B
110	192108	HARSHIT SHETTY	COMP Second Year B
111	182078	DARREN NORONHA	COMP Third Year A
112	182061	SHERWIN MATHIAS	COMP Third Year A
113	182098	MANISHA SAHU	COMP Third Year B
114	182112	GAURAV SUVARNA	COMP Third Year B
115	182118	SAKSHI TOKEKAR	COMP Third Year B
116	182105	FARHAN SHAIKH	COMP Third Year B

Resource Person Feedback:

Responses cannot be edited

"DevOps" Feedback Form - Resource Person

* Required

Email *

prof.mahendramehra@gmail.com

Name of the Resource Person *

Mahendra Mehra

Organization *

Fr. Conceicao Rodrigues College of Engineering

Contact Number *

7977664541

Program Time Management *

- Excellent
- Very Good
- Good
- Poor

Technical Support *

- Excellent
- Very Good
- Good
- Poor

B. Result Analysis:

Quiz Question paper(s):

DEVOPS SDP DAY4 : QUIZ1

***Required**

Ansible MCQ'S

What is Ansible? *

1 point

- An automation platform
- A programming language
- A GUI interface for programming language interpreter
- A fictional device

What language is an Ansible playbooks are written in by default ? *

1 point

- A. XML
- B.HTML
- C.JSON
- D.YAML

Indentations are overlooked in YAML file *

1 point

- true
- false

Which module will you utilize to run a command on client machines *

1 point

- A. template
- B. file
- C. data
- D. fetch
- E. command

which module is used to install and uninstall packages in ubuntu machines * 1 point

- File
- Copy
- Service
- apt
- yum

which module is used to start and stop services in Ansible host * 1 point

- File
- Copy
- Service
- apt
- yum

What language is an Ansible playbooks are written in by default? * 1 point

- HTML format
- JSON format
- YAML format
- XML format

Ansible is a _____ based configuration management tool * 1 point

- pull
- push
- top
- bottom



Which command is used to install a curl package in host machine * 1 point

- ansible client_1 -m apt -a "name=curl state=absent" --become
- ansible client_1 -m apt -a "name=curl state=present" --become
- ansible client_1 -m apt -a "name=curl state=install" --become
- ansible client_1 -m apt -a "name=curl state=available" --become

which module is used to execute a specific command on the ansible host machines * 1 point

- File
- Copy
- Service
- apt
- yum
- command


Which argument will you use to execute modules from the command line * 1 point

- A. -c
- B. -d
- C. -e
- D. -m
- E. None of them

Send me a copy of my responses.

Page 2 of 2

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<https://docs.google.com/spreadsheets/d/1UCiCQB-0YUCLcFvoS9WKPjXvfbaMxwD1E6yDw95UD8c/edit#gid=1701539598>

Quiz Question Paper Links:

https://drive.google.com/drive/folders/1_k9xYYBsJWuomdSrcHcWBNU7ny0akiGL

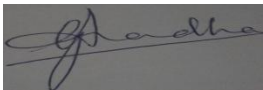
Assignments/Projects assigned:

The projects were assigned on individual basis, so that they can get a better understanding about the work to be done

Assessment Result:

Marks	No. of Students	Percentage of Students
above 90%	46	39
between 81% to 90%	16	14
between 75% to 80%	7	6
Below 75%	48	41

Comment on the Result Analysis stating the impact of the course: Even Though the students understood the concepts and quiz marks that got an average of 79% since the project work involved more time for execution, they were not able to execute it in stipulated time. But the techniques they have learned can be applied henceforth when they develop their mini-projects and projects. It has been observed that many students could answer a greater number of the questions in quizzes which shows that students learned about tools and techniques of DevOps.



Ms. Anuradha Srinivasaraghavan
Ms Vincy Joseph



Dr. Kavita Sonawane
(Convener and HOD-CMPN)

Mr. Rupesh Mishra
(Course Coordinator)



ST. FRANCIS INSTITUTE OF TECHNOLOGY

Mount Painsur, Borivli (West), Mumbai-400103

Department of Mechanical Engineering

25th July, 2021

Report on “CNC Training Program for Faculty Members ”

- Workshop – CNC Training Program for Faculty Members
- Resource Person - Mr. Jitendra Mhatre

Engineer

J. Brothers, Thane-Mumbai.

- Duration:- 5th June – 3rd July 2021
- Time - 10.00 am- 5.00 pm
- Venue – Machine Shop (Room no: 029)
- No. of Registered Faculty Members: 15

A. Details:

Mechanical Engineering Department had organized a workshop for the faculty members .

Schedule of Workshop:-

Day	Topic	Schedule Date	Session	Instructor	Status	Venue
1	Introduction and Practice on CNC machine	05-06-2021	10:00 am – 5:00 pm	Mr. Mhatre	Completed	Machine Shop (Room no: 029)
2	Program writing and Pracice on Machine	12-06-2021	10:00 am – 5:00 pm	Mr. Mhatre	Completed	
3	Program writing and Pracice on Machine	19-06-2021	10:00 am – 5:00 pm	Mr. Mhatre	Completed	
4	Program writing and Pracice on Machine	26-06-2021	10:00 am – 5:00 pm	Mr. Mhatre	Completed	
5	Program writing and Pracice on Machine	03-07-2021	10:00 am – 5:00 pm	Mr. Mhatre	Completed	

The workshop focused on the following key points:

- Introduction of CNC machine
- Understanding of G-codes and M-codes
- CNC program writing
- Hands on practice on CNC machine.
- Preparation of Job with 3-4 operation .

B. Images of the Session:

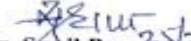


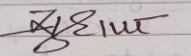


C. List of Participants

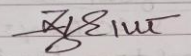
Sr. No.	Name
1	Mr. Sunil Pansare
2	Mr. Ravindra Garmode
3	Mr. Bysani MK
4	Mr. Yunus Dalal
5	Mr. Magesh Nadar
6	Mr. Sanjay Ghaskatta
7	Mr. Saurabh Vichare
8	Mr. Siddharth Saindane
9	Mr. Ashok Sapkale
10	Mr. Suresh Lad
11	Mr. Harish Areker
12	Mr. Vishal Acharekar
13	Mr. Sanjay Ghadigaonkar
14	Mr. Prashant Shete
15	Mr. Shaynu
16	Mr. Stanley


Mr. Sunil Pansare
(Co-ordinator)


Mr. Sunil Pansare
(I/C HOD)



Mr. Sunil Pansare
(Co-ordinator)



Mr. Sunil Pansare
(I/C HOD)

2019-20

For Whom

- ❖ Faculty Members and Researchers
- ❖ Practitioners from Industry
- ❖ U.G. and P.G. Students

Registration Fees

- ❖ U.G./P.G. Students (College ID): 2000/-
- ❖ Academicians (ISTE Members): 3000/-
- ❖ Academicians (Non-ISTE Members): 3500/-
- ❖ Others: 3500/-

Tea and lunch shall be provided to all the participants. No travel allowance/accommodations are provided to participants. However, on prior request, arrangements can be made with additional costs.

Important Dates

- Last date of registration: December 01, 2019
- Course start date: December 02, 2019
- Course end date: December 06, 2019
- Timing (all days): 9:30 a.m. – 4:45 p.m.

Contact Details

Name: Ms. Safa Hamdare
Designation: Assistant Professor
Department: Computer Engineering
Contact No: 9819737130

Name: Ms. Snehal Kulkarni
Designation: Assistant Professor
Department: Computer Engineering
Contact No: 9967536938

About the Institute

St. Francis Institute of Technology (SFIT) was established in 1999 with a view to create an Engineering Degree Institute to fulfill the long felt public need of an Institute of Excellence in Borivali. SFIT has five UG Programs and two PG Programs in the most coveted disciplines considering both industrial need and public preference. These courses would lead to award of the Degree of Bachelor of Engineering (B.E.) in Computer Engineering, Electronics & Telecommunication Engineering, Information Technology, Electrical Engineering and Mechanical Engineering and Master of Engineering (M.E.) as well as Ph.D. (Technology) in Computer Engineering and Electronics & Telecommunication Engineering.

About the Department

With an objective of producing and nurturing the Computer Science professional's, future technological entrepreneurs and early researchers, Department of Computer Engineering started its journey in 1999 with an intake of 60 seats which now has been reached up to 120 since 2010. We have experienced and highly competent faculty members with excellent academic credentials and expertise in all core and emerging courses of computer engineering. In addition to it, we have an Adjunct Professor from IITB to enhance research culture. We have our own technical student association CODEX and a technical chapter CSI active throughout the year. Every year team of young engineers from department exhibit their advanced and technical skills in 'Prakalp', 'Robocon', 'e-yantra' and Smart India Hackathon competitions.

About the Program

Natural language processing (NLP) addresses the problems of automated understanding and generation of natural human language. NLP is an important area of artificial intelligence concerned with the processing and understanding (NLU) of a human language. The goal of NLP and NLU is to process and harness information from a large corpus of text with very little manual intervention. This program focuses on the recent advancements in NLP and its application, which facilitates human machine communication using natural languages.



Department of Computer Engineering

Announces

AICTE-ISTE Approved

One-week Short-Term Training Program (STTP)

on

“Natural Language Processing – Theory and Practices”



From 2nd to 6th December 2019

St. Francis Institute of Technology

Mt. Painsur, S.V.P. Road, Borivali (West), Mumbai 400103

Ph. No. 022-28928585/28908585

Website: www.sfit.ac.in

Email: nlp@sfit.ac.in

Objectives

Through this STTP, we wish to

1. To cultivate the seed of NLP as the emerging area of advance computing in educational and industrial field.
2. To motivate the participants to explore various applications and real-world problems of natural language processing.

Outcomes

Following outcomes will be achieved after successful completion of the course:

1. Awareness of NLP from basic to advance.
2. Practical exposure to emerging concepts of NLP like machine translation, semantic analysis, etc.
3. Exposure and practice on current trends and emerging tools of NLP.
4. Generation of new ideas in NLP domain towards solution of real world problems.

Topics Covered

- ✓ Basics of Text Processing
- ✓ Machine Translation in NLP
- ✓ Sentiment Analysis: Case Study
- ✓ Text Summarization & Classification
- ✓ Models for Sequential Tagging
- ✓ Applications and Research Directions in NLP
- ✓ NLP with Machine Learning
- ✓ Hands on using NLP Tools

Discussion on Syllabus of NLP (DLOC-I) designed by University of Mumbai for Final Year Computer Engineering Students.

Patron/ Chairman

- ❖ **Bro. Jose Thuruthiyil** – Director.
- ❖ **Dr. Sincy George** – Principal.

Convenor

- ❖ **Dr. Kavita Sonawane** – Professor and Head, Department of Computer Engineering

Co-ordinators

- ❖ Ms. Dakshata Panchal – Assistant Professor
- ❖ Ms. Pradnya Rane – Assistant Professor

Organizing Team

- ◆ Ms. Bidisha R
- ◆ Ms. Anuradha G
- ◆ Mr. Shamshuddin K
- ◆ Ms. Nidhi G
- ◆ Ms. Jayshree M
- ◆ Ms. Varsha N
- ◆ Ms. Ankita K
- ◆ Ms. Sweedal M
- ◆ Ms. Shobha T
- ◆ Ms. Sweedal M
- ◆ Ms. Supriya S
- ◆ Mr. Rajkumar S
- ◆ Ms. Vincy J
- ◆ Ms. Pradnya R
- ◆ Ms. Priya K
- ◆ Ms. Safa H
- ◆ Mr. Rupesh M
- ◆ Ms. Snehal K
- ◆ Ms. Vanessa D
- ◆ Ms. Pratibha Rane
- ◆ Ms. Stephina D'souza
- ◆ Mr. Amanat P

Resource Persons

- ❖ Dr. Supratim Biswas (Adjunct Professor, IITB)
- ❖ Dr. Subhash Shinde (LTCOE, Mumbai University)
- ❖ Dr. Seema Shah (NMIMS University)
- ❖ Dr. Kranti Ghag (SAKEC, Mumbai University)
- ❖ Dr. Neepa Shah (DJCOE, Mumbai University)
- ❖ Dr. Phiroz Sheikh (DBIT, Mumbai University)
- ❖ Ms. Manasi Kulkarni (Research Scholar, IITB)
- ❖ Ms. Tamali Banarjee (Research Scholar, IITB)
- ❖ Ms. Rajashree Shedge (Research Scholar, RAIT)
- ❖ Mr. Santosh Chapaneri (Research Scholar, SFIT)
- ❖ Ms. Jayashree Jagdale (Research Scholar, Pacific University)

Registration Form

Name: _____

Designation: _____

Qualification: _____

Institute/Organization: _____

Address of Correspondence: _____

Phone/Mobile no.: _____

Email: _____

ISTE: Yes No

If yes, ISTE Membership No. _____

Category: Student Faculty

For online registration and payment visit:
<https://sfiterp.sfitest.online:98/SfitEventRegForm.asp?event=7>

Signature of Participant



St. Francis Institute of Technology
DEPARTMENT OF COMPUTER ENGINEERING

Report

“Natural Language Processing: Theory and Practices”

Event Date: 2nd Dec 2019 - 6th Dec 2019

Time: 10:00 AM to 5 PM

Venue: SFIT

No. of Registered Participants: 26

Resource Persons:

Date	Resource Person	Topic
2-12-19	Dr. Subhash Shinde	Overview of Natural Language Processing
	Mr. Santosh Chapaneri	Concepts of deep learning in natural language processing along with the hands-on session
3-12-19	Ms. Jayashree Jagdale	Tools for text preprocessing
	Dr. Kranti Ghag	Text parsing and text classification
4-12-19	Dr. Phiroz Sheikh	Designing corpora for NLP applications
	Dr. Neepa Shah,	Semantics: applications and case studies
	Ms. Tamali Banerjee	Hands on session on the various tools available in python for machine translation
5-12-19	Mr. Harsh Jalan,	Concepts of text summarization
	Ms. Manasi Kulkarni	Introduction to sentiment analysis
6-1-19	Ms. Garima Yadav	Hands-on session on a Chatbot application development
	Dr. Supriatim Biswas	Research directions in NLP
	Ms. Rajashree Shedge	Syllabus Discussion

A Description

Department of Computer Engineering, had organized one week STTP on “Natural Language Processing: Theory and Practices” during 2-6 December, 2019. The objectives of this STTP was to to cultivate the seed of NLP as the emerging area of advance computing in educational and industrial field and motivate the participants to explore various applications and real-world problems of natural language processing. The major focus of th workshop was to make awareness of NLP from basic to advance with practical exposure to emerging concepts of NLP like machine translation, semantic analysis, etc. Also, to expose and practice on current trends and emerging tools of NLP. The goal of the STTP was to help the participants to generate new ideas in NLP domain towards solution of real world problems. Inauguration of STTP commenced with Prayer and Lighting of the lamp to seek the blessings of God Almighty in presence of Chief Guest Dr. Subhash Shinde – Vice Principal(LTCOE) , Director -SFIT, Principal, HODs, Deans, TPO, faculties, participants. Dr. Kavita Sonawane , Head of CMPN Department, SFIT welcomed the participants and briefed about the motivation of conducting STTP. Ms. Dakshata Panchal, Course coordinator of STTP briefed the participants about the course contents & objective of the training program. Following is the flow of the STTP.

Day 1:

Chief Guest and keynote speaker Dr. Subhash Shinde, Vice Principal, Lokmanya Tilak College of Engineering delivered keynote address & gave overview of Natural Language Processing. On the same day Mr. Santosh Chapaneri, Assistant Professor in the department of Electronics and Telecommunication Engineering, SFIT introduced the participants to key concepts of deep learning in natural language processing along with the hands-on session.

Day 2:

Ms. Jayashree Jagdale, Assistant Professor at Pune Institute of Technology, Pune delivered a hands-on session on tools for text preprocessing. She discussed about various text preprocessing techniques required for natural language processing and a hands-on session on the various tools in python was taken. On the same day, Dr. Kranti Ghag, Shah and Anchor College of Engineering, Chembur, Mumbai delivered session on text parsing and text classification. Lab session for various text parsing and classification techniques in python was conducted along with the theory session.

Day 3: Dr. Phiroz Sheikh from Don Bosco Institute of Technology, Kurla conducted session on designing corpora for NLP applications to cultivate the importance of NLP in real world applications. On the same day, second session was delivered by Dr. Neepa Shah, Visiting Faculty, D.J. Sanghavi College of Engineering, Vile Parle(W) on semantics: applications and case studies. She discussed various case studies on various NLP applications. In the second half of the day, Ms. Tamali Banerjee, Research Scholar, IIT Bombay discussed machine translation with hands on session on the various tools available in python for machine translation.

Day 4:

A session on sequential tagging was conducted by Mr. Harsh Jalan, Formerly Co-founder Daten and Wissen, Mumbai. He covered the concepts of text summarization, it's needs and various tools available in python to do text summarization and sequential tagging. Later in the second half of the day, introduction to sentiment analysis with the concepts of Senti-Wordnet was introduced and explained by Ms. Manasi Kulkarni, Assistant Professor, VJTI, Mumbai and Research scholar, IITB. Different tasks such as sarcasm detection, polarity detection to name a few were discussed and practical session was conducted to introduce the various tools available to do so were briefed.

Day 5:

A hands-on session on a Chatbot application development was conducted by Ms. Garima Yadav, Data Scientist, Blocklogy, Mumbai. Use of NLTK library of python for Chatbot implementation was demonstrated. The second session on that day was conducted by Dr. Supriatim Biswas, Adjunct Professor, IITB who gave a deep insight on research directions in NLP. He discussed about the current development in the area of NLP along with the roadmap about reserach directions in NLP. The last session of the STTP was conducted by Ms. Rajashree Shedge, Assistant Professor, Ramrao Adik Institute of Technology, Nerul, Navi Mumbai. The speaker discussed about the importance of NLP and why it has been introduced in the curriculum of final year engineering syllabus. She also discussed the prescribed syllabus of Mumbai University in detail. The Valedictory function was organized to felicitate participants on successful completion of one week training program on “Natural Language Processing: Theory and Practices” and Training Completion Certificates were presented to the participants.

B Images of the session









C Attendance of participants



St. Francis Institute of Technology Department of Computer Engineering

AICTE-ISTE Approved Career Advancement STTP
on
Natural Language Processing - Theory and Practices

Date: 6th Dec 2019

Registration No.	Name of the participant	Session 1 9:30 - 11:00	Session 2 11:15 - 12:45	Session 3 1:30 - 3:00	Session 4 3:15 - 4:45
7R268	Neelam Phadnis	NP	NP	NP	NP
7R269	Aabha Amey Patil	Aapatil	Aapatil	Aapatil	Aapatil
7R270	K Jayamalini	KJ	KJ	KJ	KJ
7R274	Jyoti Ramteke	JRM	JRM	JRM	JRM
	Rupesh Mishra	Rmishra	Rmishra	Rmishra	Rmishra
7R276	K Priya	KPriya	KPriya	KPriya	KPriya
7R277	Dnyaneshwar T Bhabad	DNB	DNB	DNB	DNB
7R278	Vincy Joseph	VJoseph	VJoseph	VJoseph	VJoseph
7R279	Kanchan Dabre	KDabre	KDabre	KDabre	KDabre
7R282	Shamsuddin Khan	SK	SK	SK	SK
7R283	Pradnya Rane	PR	PR	PR	PR
7R284	Jayashree Mittal	JMittal	JMittal	JMittal	JMittal
7R285	Snehal Kulkarni	SK	SK	SK	SK
7R287	Dr. Tatwadarsi P Nagarhalli	TN	TN	TN	TN
7R288	Monika Pal	MPal	MPal	MPal	MPal
7R289	Rakeshkumar Saroj	RS	RS	RS	RS
7R291	Reeta Koshy	Reeta	Reeta	Reeta	Reeta
7R291	Vivian Brian Lobo	V.Lobo	V.Lobo	V.Lobo	V.Lobo
7R292	Abhijit Patil	APatil	APatil	APatil	APatil
	Varsha Nagpurkar	VN	VN	VN	VN
	Pratibha Rane	PR	PR	PR	PR
	Stephina D'souza	SD'souza	SD'souza	SD'souza	SD'souza
	Ms. Dakshata Panchal	DP	DP	DP	DP
	Dr. Kavita Sonawane	KS	KS	KS	KS
	Ms. Shobha Tyagi	STyagi	STyagi	STyagi	STyagi
	Sunny B. Sall	SBS	SBS	SBS	SBS



St. Francis Institute of Technology
Department of Computer Engineering

AICTE-ISTE Approved Career Advancement STTP
on
Natural Language Processing - Theory and Practices

Date: 5th Dec 2019

Registration No.	Name of the participant	Session 1	Session 2	Session 3	Session 4
		9:30 - 11:00	11:15 - 12:45	1:30 - 3:00	3:15 - 4:45
7R268	Neelam Phadnis	NP	NP	NP	NP
7R269	Aabha Amey Patil	Anali	Aneel	Anali	Anali
7R270	K. Jayamalini	Jay	Jay	Jay	Jay
7R274	Jyoti Ramteke	Jyoti	Jyoti	Jyoti	Jyoti
	Rupesh Mishra	Rupesh	Rupesh	Rupesh	Rupesh
7R2	K. Priya	Priya	Priya	Priya	Priya
7R277	Dnyaneshwar T Bhabad	Dnyaneshwar	Dnyaneshwar	Dnyaneshwar	Dnyaneshwar
7R278	Vincy Joseph	Vincy	Vincy	Vincy	Vincy
7R279	Kanchan Dabre	Kanchan	Kanchan	Kanchan	Kanchan
7R282	Shamsuddin Khan	Shamsuddin	Shamsuddin	Shamsuddin	Shamsuddin
R283	Pradnya Pane	Pradnya	Pradnya	Pradnya	Pradnya
R284	Jayashree Mittal	Jayashree	Jayashree	Jayashree	Jayashree
R285	Snehal Kulkarni	Snehal	Snehal	Snehal	Snehal
R287	Dr. Tatwadarsi P. Nagarhalli	Tatwadarsi	Tatwadarsi	Tatwadarsi	Tatwadarsi
R288	Monika Pal	Monika	Monika	Monika	Monika
R289	Rakeshkumar Saroj	Rakeshkumar	Rakeshkumar	Rakeshkumar	Rakeshkumar
R291	Reeta Koshy	Reeta	Reeta	Reeta	Reeta
R292	Vivian Brian Lobo	Vivian	Vivian	Vivian	Vivian
	Abhijit Patil	Abhijit	Abhijit	Abhijit	Abhijit
	Varsha Nagpurkar	Varsha	Varsha	Varsha	Varsha
	Pratibha Rane	Pratibha	Pratibha	Pratibha	Pratibha
	Stephina D'souza	SD'souza	SD'souza	SD'souza	SD'souza
	Ms. Dakshata Panchal	Dakshata	Dakshata	Dakshata	Dakshata
	Dr. Kavita Sonawane	Kavita	Kavita	Kavita	Kavita
	Ms. Shobha Tyagi	Shobha	Shobha	Shobha	Shobha
	Sunny E. Sall	Sunny	Sunny	Sunny	Sunny



St. Francis Institute of Technology
Department of Computer Engineering

AICTE-ISTE Approved Career Advancement STTP
on
Natural Language Processing - Theory and Practices

Date: 4th Dec 2019

Registration No.	Name of the participant	Session 1	Session 2	Session 3	Session 4
		9:30 - 11:00	11:15 - 12:45	1:30 - 3:00	3:15 - 4:45
E7R266	Neelam Phadnis	NP	NP	NP	NP
E7R269	Aabha Amey Patil	Anali	Anali	Anali	Anali
E7R270	K Jayamalini	JK	JK	JK	JK
E7R274	Jyoti Ramteke	JR	JR	JR	JR
E7R275	Rupesh Mishra	Rupesh	Rupesh	Rupesh	Rupesh
E7R276	K Priya	PK	PK	PK	PK
E7R277	Dnyaneshwar T Bhabad	DB	DB	DB	DB
E7R278	Vincy Joseph	VJoseph	VJoseph	VJoseph	VJoseph
E7R279	Kanchan Dabre	KDabre	KDabre	KDabre	KDabre
E7R282	Shamsuddin Khan	SK	SK	SK	SK
E7R283	Pradnya Rane	Pradnya	Pradnya	Pradnya	Pradnya
E7R284	Jayashree Mittal	JMittal	JMittal	JMittal	JMittal
E7R285	Snehal Kulkarni	SK	SK	SK	SK
E7R287	Dr. Tatwadarshi P Nagarhalli	TPN	TPN	TPN	TPN
E7R288	Monika Pal	MPal	MPal	MPal	MPal
E7R289	Rakeshkumar Saroj	RKSaraj	RKSaraj	RKSaraj	RKSaraj
E7R291	Reeta Koshy	Reeta	Reeta	Reeta	Reeta
E7R292	Vivian Brian Lobo	V.Lobo	V.Lobo	V.Lobo	V.Lobo
E7R293	Abhijit Patil	Abpatil	Abpatil	Abpatil	Abpatil
E7R294	Varsha Nagpurkar	VN	VN	VN	VN
E7R295	Pratibha Rane	PR	PR	PR	PR
E7R296	Stephina D'souza	SD'souza	SD'souza	SD'souza	SD'souza
E7R297	Ms. Dakshata Panchal	DP	DP	DP	DP
E7R298	Dr. Kavita Sonawane	KS	KS	KS	KS
E7R299	Ms. Shobha Tyagi	ST	ST	ST	ST
E7R300	Sunny B. Sall	SB	SB	SB	SB



St. Francis Institute of Technology
Department of Computer Engineering

AICTE-ISTE Approved Career Advancement STTP
on
Natural Language Processing - Theory and Practices

Date: 3rd Dec 2019

Registration No.	Name of the participant	Session 1	Session 2	Session 3	Session 4
		9:30 - 11:00	11:45 - 12:45	1:30 - 3:00	3:15 - 4:45
E7R268	Neelam Phadnis	NP	NP	NP	NP
E7R269	Aabha Amej Patil	Aabha	Aabha	Aabha	Aabha
E7R270	K.Jayamalini	K.Jayamalini	K.Jayamalini	K.Jayamalini	K.Jayamalini
E7R274	Jyoti Ramteke	Jyoti	Jyoti	Jyoti	Jyoti
E7R275	Rupesh Mishra	Rupesh	Rupesh	Rupesh	Rupesh
E7R276	K.Priya	K.Priya	K.Priya	K.Priya	K.Priya
E7R277	Dnyaneshwar T Bhabad	Dnyaneshwar	Dnyaneshwar	Dnyaneshwar	Dnyaneshwar
E7R278	Vincy Joseph	Vincy	Vincy	Vincy	Vincy
E7R279	Kanchan Dabre	Kanchan	Kanchan	Kanchan	Kanchan
E7R282	Shamsuddin Khan	Shamsuddin	Shamsuddin	Shamsuddin	Shamsuddin
E7R283	Pradnya Rane	Pradnya	Pradnya	Pradnya	Pradnya
E7R284	Jayashree Mittal	Jayashree	Jayashree	Jayashree	Jayashree
E7R285	Snehal Kulkarni	Snehal	Snehal	Snehal	Snehal
E7R287	Dr. Tatwadarshi P Nagarhalli	Dr. Tatwadarshi	Dr. Tatwadarshi	Dr. Tatwadarshi	Dr. Tatwadarshi
E7R288	Monika Pal	Monika	Monika	Monika	Monika
E7R289	Rakeshkumar Saroj	Rakeshkumar	Rakeshkumar	Rakeshkumar	Rakeshkumar
E7R291	Reeta Koshy	Reeta	Reeta	Reeta	Reeta
E7R292	Vivian Brian Lobo	Vivian	Vivian	Vivian	Vivian
	Abhijit Patil	Abhijit	Abhijit	Abhijit	Abhijit
	Varsha Nagpurkar	Varsha	Varsha	Varsha	Varsha
	Pratibha Rane	Pratibha	Pratibha	Pratibha	Pratibha
	Stephina D'souza	SD'souza	SD'souza	SD'souza	SD'souza
	Ms. Dakshata Panchal	Dakshata	Dakshata	Dakshata	Dakshata
	Dr. Kavita Sonawane	Dr. Kavita	Dr. Kavita	Dr. Kavita	Dr. Kavita
	Ms. Shobha Tyagi	Ms. Shobha	Ms. Shobha	Ms. Shobha	Ms. Shobha
	Sunny B. Sall	Sunny	Sunny	Sunny	Sunny



St. Francis Institute of Technology
Department of Computer Engineering

AICTE-ISTE Approved Career Advancement STTP
on
Natural Language Processing - Theory and Practices

Date: 2nd Dec 2019

Registration No.	Name of the participant	Session 1	Session 2	Session 3	Session 4
		9:30 - 11:00	11:15 - 12:45	1:30 - 3:00	3:15 - 4:45
E7R268	Neelam Phadnis	NP	NP	NP	NP
E7R269	Aabha Amey Patil	Anabel	Anabel	Anabel	Apal
E7R270	K. Jayamalini	Jay	Jay	Jay	Jay
E7R274	Jyoti Ramteke	Jyoti	Jyoti	Jyoti	Jyoti
E7R275	Rupesh Mishra	Rupesh	Rupesh	Rupesh	Rupesh
	K Priya	Priya	Priya	Priya	Priya
E7R277	Dnyaneshwar T Bhabad	Dnyaneshwar	Dnyaneshwar	Dnyaneshwar	Dnyaneshwar
E7R278	Vincy Joseph	Vincy	Vincy	Vincy	Vincy
E7R279	Kanchan Dabre	Kanchan	Kanchan	Kanchan	Kanchan
E7R282	Shamsuddin Khan	Shamsuddin	Shamsuddin	Shamsuddin	Shamsuddin
E7R283	Pradnya Rane	Pradnya	Pradnya	Pradnya	Pradnya
E7P284	Jayashree Mittal	Jayashree	Jayashree	Jayashree	Jayashree
E7R285	Snehal Kulkarni	Snehal	Snehal	Snehal	Snehal
E7R287	Dr. Tatwadarsi P Nagarhalli	Tatwadarsi	Tatwadarsi	Tatwadarsi	Tatwadarsi
E7R288	Monika Pal	Monika	Monika	Monika	Monika
E7R289	Rakeshkumar Saroj	Rakesh	Rakesh	Rakesh	Rakesh
E7R291	Reeta Koshy	Reeta	Reeta	Reeta	Reeta
E7R292	Vivian Brian Lobo	V. Lobo	V. Lobo	V. Lobo	V. Lobo
	Abhijit Patil	Abhijit	Abhijit	Abhijit	Abhijit
	Varsha Nagpurkar	Varsha	Varsha	Varsha	Varsha
	Pratibha Rane	Pratibha	Pratibha	Pratibha	Pratibha
	Stephina D'souza	D'souza	D'souza	D'souza	D'souza
	Ms. Dakshata Panchal	Dakshata	Dakshata	Dakshata	Dakshata
	Dr. Kavita Sonawane	Kavita	Kavita	Kavita	Kavita
	Ms. Shobha Tyagi	Shobha	Shobha	Shobha	Shobha
	Sunny B. Sall	Sunny	Sunny	Sunny	Sunny

D STTP Feedback

Participant feedback



St. Francis Institute of Technology

Department of Computer Engineering

AICTE – ISTE Approved Career Advancement STTP

On

Natural Language Processing - Theory and Practices

Feedback Form

Resource Person Name: **Mr. Santosh C.**

Session No. 2,3,4

1. How would you rate the session in terms of following:

	Excellent	Very Good	Good	Fair	Poor
Quality of subject content and its relevance	✓				
Time Management by speaker	✓				
Research focus	✓				
Instructor's knowledge in subject area	✓				
Hands-On exercise	✓				
Rate the overall session	✓				

2. Will you recommend the speaker for future seminars

YES NO

✓

3. Have your skills/knowledge increased as a result of this session

YES NO

✓

4. Any other suggestions or comments

*Very interesting session.
Informative and helpful from practical aspect
Kanchan*

Name of the participant (Optional):

Kanchan Dabre

Resource person feedback



St. Francis Institute of Technology
Department of Computer Engineering

AICTE – ISTE Approved Career Advancement STTP
on
Natural Language Processing - Theory and Practices

Feedback Form

Resource Person :- Dr. Phiroz Shaikh

1. How would you rate the seminar in terms of following

	Excellent	Very Good	Good	Fair	Poor
Resources/Infrastructure availability	✓				
Involvement of participants	✓				
Staff cooperation	✓				
Food arrangement	✓				
Hospitality	✓				

2. Any improvement required? If yes, Areas to improve

3. Any other Suggestions / Comments

Its @ good conduct of entire FDP.
Such more needed in future.

E Result/Impact Analysis

Quiz question paper

St. Francis Institute of Technology
Department of Computer Engineering
AICTE-ISTE Approved Career Advancement STTP
On "NLP-Theory And Practices"

1. What is the field of Natural Language Processing (NLP)?
 - a) Computer Science
 - b) Artificial Intelligence
 - c) Linguistics
 - d) **All of the mentioned**

2. NLP is concerned with the interactions between computers and human (natural) languages.
 - a) **True**
 - b) False

3. What is the main challenge/s of NLP?
 - a) Handling Ambiguity of Sentences
 - b) Handling Tokenization
 - c) Handling POS-Tagging
 - d) **All of the mentioned**

4. Choose from the following areas where NLP can be useful.
 - a) Automatic Text Summarization
 - b) Automatic Question-Answering Systems
 - c) Information Retrieval
 - d) All of the mentioned

5. Which of the following includes major tasks of NLP?
 - a) Automatic Summarization
 - b) Discourse Analysis
 - c) Machine Translation
 - d) **All of the mentioned**

6. What is Machine Translation?
 - a) **Converts one human language to another**
 - b) Converts human language to machine language
 - c) Converts any human language to English
 - d) Converts Machine language to human language

7. What is Morphological Segmentation?
 - a) Does Discourse Analysis
 - b) **Separate words into individual morphemes and identify the class of the morphemes**
 - c) Is an extension of propositional logic
 - d) None of the mentioned

8. N-grams are defined as the combination of N keywords together. How many bi-grams can be generated from given sentence? "Analytics Vidhya is a great source to learn data science"

- a) 7
- b) 8
- c) **9**
- d) 10
- e) 11

9. Which of the following features can be used for accuracy improvement of a classification model?

- a) Frequency count of terms
- b) Vector Notation of sentence
- c) Part of Speech Tag
- d) Dependency Grammar
- e) **All of these**

10. True or False: Word2Vec model is a machine learning model used to create vector notations of text objects. Word2vec contains multiple deep neural networks

- a) True
- b) **False**

11. Polysemy is defined as the coexistence of multiple meanings for a word or phrase in a text object. Which of the following models is likely the best choice to correct this problem?

- a) Random Forest Classifier
- b) **Convolutional Neural Networks**
- c) Gradient Boosting
- d) All of these

12. One of the main challenges of NLP is

- a) **Handling ambiguity sentences**
- b) Handling Tokenization
- c) Handling POS Tagging
- d) All of the mentioned

13. Choose form the following areas where NLP can be useful.

- a) Automatic Text Summarization
- b) Automatic question answering
- c) Information Retrival
- d) **All of the above**

14. Morphological Segmentation

- a) Does Discourse Analysis
- b) **Separate words into individual morphemes and identify the class of the morphemes**
- c) Is an extension of propositional logic
- d) None of the above

15. Social Media platforms are the most intuitive form of text data. You are given a corpus of complete social media data of tweets. How can you create a model that suggests the hash tags?

- a) Perform Topic Models to obtain most significant words of the corpus
- b) Train a Bag of N-grams model to capture top n-grams – words and their combinations
- c) Train a word2vector model to learn repeating contexts in the sentences
- d) **All of these**

16. Collaborative Filtering and Content Based Models are the two popular recommendation engines, what role does NLP play in building such algorithms.

- a) Feature Extraction from text
- b) Measuring Feature Similarity
- c) Engineering Features for vector space learning model
- d) **All of these**

17. Select correct statements related to Sentiment analysis or opinion mining

- a) **It is related to the application of natural language processing,**
- b) Computational linguistics,
- c) Text analytics to identify and extract subjective information in source materials.
- d) only a) and b)

18. Select the Tools/Techniques that can be used with sentiment analysis

- a) **Latent semantic analysis**
- b) Semantic Orientation i.e., based on Point wise Mutual Information
- c) Grammatical dependency relations
- d) Senti WordNet

St. Francis Institute of Technology
Department of Computer Engineering
AICTE-ISTE Approved Career Advancement STTP
On "NLP-Theory And Practices"

19 Some new research domain related to Sentiment analysis are:

- a) Emotion detection
- b) Affect analysis
- c) Opinion spam detection
- d) Sentiment mining

20. Movie Recommendation systems are an example of:

- a) Classification ,b)Clustering ,c) Reinforcement Learning, d)Regression

Options:

- a) 2 Only
- b) 1 and 2
- c) 1 and 3
- d) 2 and 3
- e) 1, 2 and 3
- f) 1, 2, 3 and 4

Quiz result

St. Francis Institute of Technology
Department of Computer Engineering
AICTE-ISTE Approved Career Advancement STTP
on
"NLP-Theory And Practices"
Test Result

Number	Name of the participant	Result
1	Neelam Phadnis	13
2	Aabha Amey Patil	10
3	K.Jayamalini	13
4	Jyoti Ramteke	17
5	Rupesh Mishra	10
6	K.Priya	12
7	Dnyaneshwar T Bhabad	12
8	Vincy Joseph	16
9	Kanchan Dabre	16
10	Shamsuddin Khan	14
11	Pradnya Rane	15
12	Jayashree Mittal	15
13	Snehal Kulkarni	16
14	Dr. Tatwadarshi P Nagarhalli	12
15	Monika Pal	13
16	Rakeshkumar Saroj	11
17	Reeta Koshy	17
18	Vivian Brian Lobo	18
19	Abhijit Patil	11
20	Varsha Nagpurkar	14
21	Pratibha Rane	10
22	Stephina D'souza	11
23	Ms. Dakshata Panchal	15
24	Dr. Kavita Sonawane	15
25	Ms. Shobha Tyagi	14
26	Sunny B. Sall	12





**ST. FRANCIS INSTITUTE OF TECHNOLOGY
(ENGINEERING COLLEGE)**

(Approved by AICTE & Govt. of Maharashtra with permanent Affiliation to University of Mumbai, ISO 9001: 2015 Certified)

Mr. Poinzur, S.V.P Road, Borivili (West), Mumbai-400103

(ISTE/Proceedings/STTP-SF/MAH-09/5/2019-20)

PROVISIONAL CERTIFICATE OF PARTICIPATION

Mr. / Ms. _____ has attended an AICTE - ISTE approved,
one week short term training program on "Natural Language Processing: Theory and
Practices" organized by Department of Computer Engineering from 02nd - 06th Dec 2019.

Dr. Kavita Sonawane
Program Convener

Dr. Sincy George
Principal

Bro. Jose Thurathiyil
Director



ST. FRANCIS INSTITUTE OF TECHNOLOGY
(ENGINEERING COLLEGE)
(Approved by AICTE & Govt. of Maharashtra with permanent Affiliation to University of Mumbai, ISO 9001: 2015 Certified)
Mt. Painsur, S.V.P Road, Borivli (West), Mumbai-400103

(STTE/Proceedings/STTP-SF/MAH-09/5/2019-20)

CERTIFICATE OF APPRECIATION

Awarded to **Dr. Kavita Sonawane** for her contribution as **Convener of AICTE-ISTTE** approved, one week short term training program on **“Natural Language Processing: Theory and Practices”** organized by **Department of Computer Engineering** from **02nd – 06th Dec 2019.**

Dr. Sincy George
Principal

Bro. Jose Thuruthiyil
Director

G Comment of HOD

Patron: Bro. Jose Thuruthiyil (Director, SFIT) and Dr. Sincy George (Principal, SFIT)

Convener: Dr. Kavita Sonawane-Professor, Head of the Department (Computer Engineering),

SFIT Coordinator: Ms. Dakshata Panchal (Assistant Professor, SFIT) and Ms. Pradnya Rane (Assistant Professor, SFIT)

Organizing Committee:, Ms. Bidisha R, Mr. Rajkumar S, Ms. Anuradha G, Ms. Vincy J, Mr. Shamshuddin K, Ms. Pradnya R, Ms. Nidhi G, Ms. Priya K, Ms. Jayshree M, Ms. Safa H, Ms. Varsha N, Mr. Rupesh M, Ms. Ankita K, Ms. Snehal K, Ms. Sweedal M, Ms. Vanessa D, Ms. Shobha T, Ms. Pratibha Rane, Ms. Tejal C. , Ms. Stephina D'souza, Ms. Supriya S, Mr. Amanat P, Mr. Mandar R, Ms. Nivedita, Ms. Vaishali B.

Report prepared by

Ms Dakshata Panchal & Ms Pradnya Rane

Coordinator, STTP

St Francis Institute of Technology
Department of Computer Engineering
Attendance for Workshop on Web Development Date:-17/02/2020 and 18/02/2020

Sr.No	Name of the Faculty	Attendance
1	Dr. Kavita Sonawane	P
2	Mr. Rajkumar Shende	P
3	Ms. Anuradha G.	P
4	Ms. Vincy Joseph	P
5	Ms. Dakshata Panchal	P
6	Mr. Shamsuddin Khan	P
7	Ms. Pradnya Rane	P
8	Ms. Priya K	P
9	Ms. Jayashri Mittal	P
10	Ms. Safa Hamdare	P
11	Ms. Snehal Kulkarni	P
12	Mr. Rupesh Mishra	P
13	Ms. Ankita Karia	P
14	Ms. Tejal Carvalho	P
15	Ms. Priya Chaudhari	P
16	Ms. Shobha Tyagi	P
17	Ms. Sweedle Mascarnes	P
18	Ms. Supriya Solaskar	P
19	Ms. Vanessa D	P
20	Ms. Stephina D'souza	P
21	Ms. Snehal Kathale	P
22	Ms. Ditixa Mehta	P

Workshop Report on “Web Technologies”

1. Date of the Workshop: 17/02/20 and 18/02/20 (2 Days)

2. Title of the Workshop: “Web Technologies”

3. Name of the Speaker/Resource person with Affiliation with the institute/industry:

Ms. Bidisha Roy, SFIT, Mumbai Ms. Pratibha Rane, SFIT, Mumbai

Ms. Varsha Nagpurkar, SFIT, Mumbai

4. Venue of the Workshop: Lab no-421(New Building)

5. Duration of the Workshop: 2 Days(Session1:- 10 am to 12 noon, Session 2:-1 to 3 pm)

6. Conducted For: CMPN Faculty

7. Objective of the Seminar/Workshop /Curriculum Gap identified/Other than that:

The objective of the workshop was basically to ensure that the faculties can understand the principles of creating an effective web page, including an in-depth consideration of information architecture and to become familiar with graphic design principles that relate to web design and learn how to implement theories into practice.

8. Contents of the Seminar/Workshop:

The following topics were being discussed by the speaker Ms. Bidisha Roy

1.HTML Tags and attributes, Structure of an HTML Document, Text Formatting Tags, Marquee Tag, Comment Tag, Special Characters, Hyperlinks, Lists, Table Tag

2.Different examples which demonstrates the above tags

The following topics were being discussed by the speaker Ms. Varsha Nagpurkar

1.HTML Form tag and attributes, Form text fields, password fields, submit button, reset button, form radio button, check boxes, input type=color or date or file, Form text area tag, select tag, opt group tag, data list tag, output tag

2.Different examples which demonstrates the above tags

The following topics were being discussed by the speaker Ms. Pratibha Rane

1.Audio and video tags in HTML 5.0

2. Different examples which demonstrate the above tags

9. Description of the Entire Event

The Computer Department of St. Francis Institute of Technology organized a workshop on “Web Technologies” on 17/02/20 and 18/02/20 from 10 to 2 in SFIT, Lab no-421 in new building. The main objective of the workshop was to:

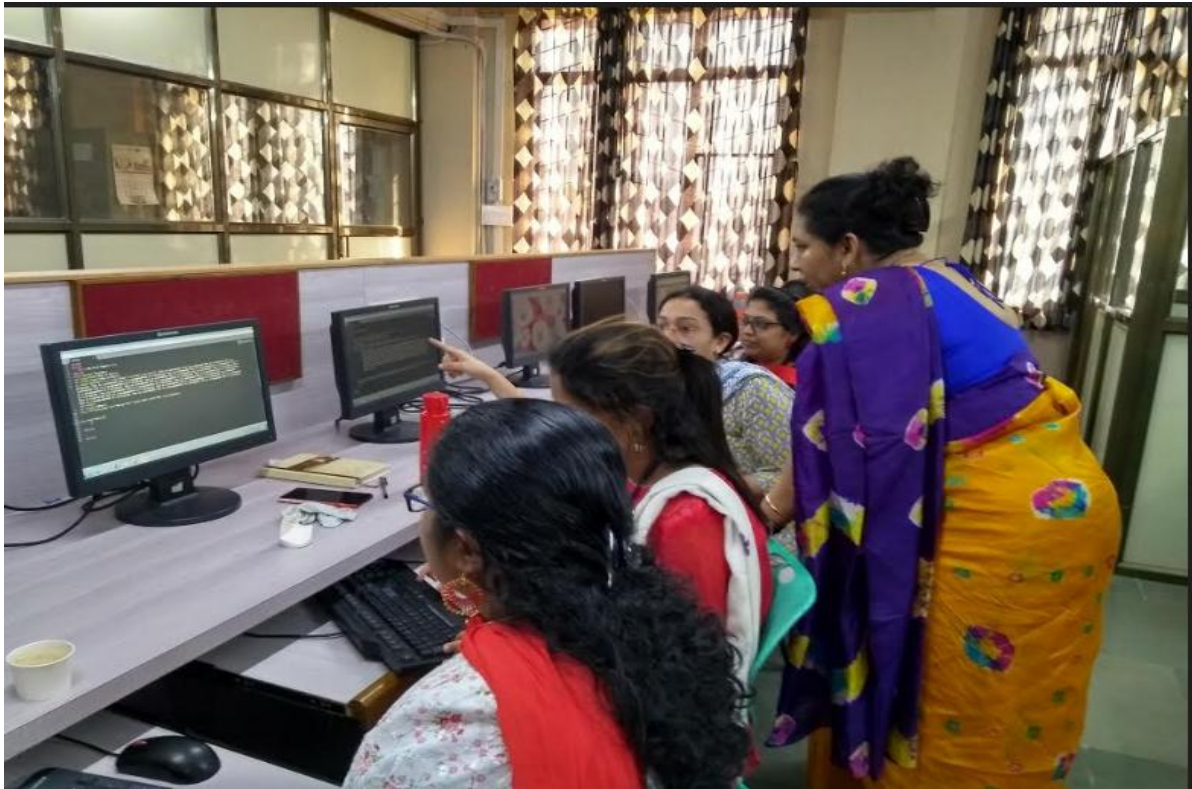
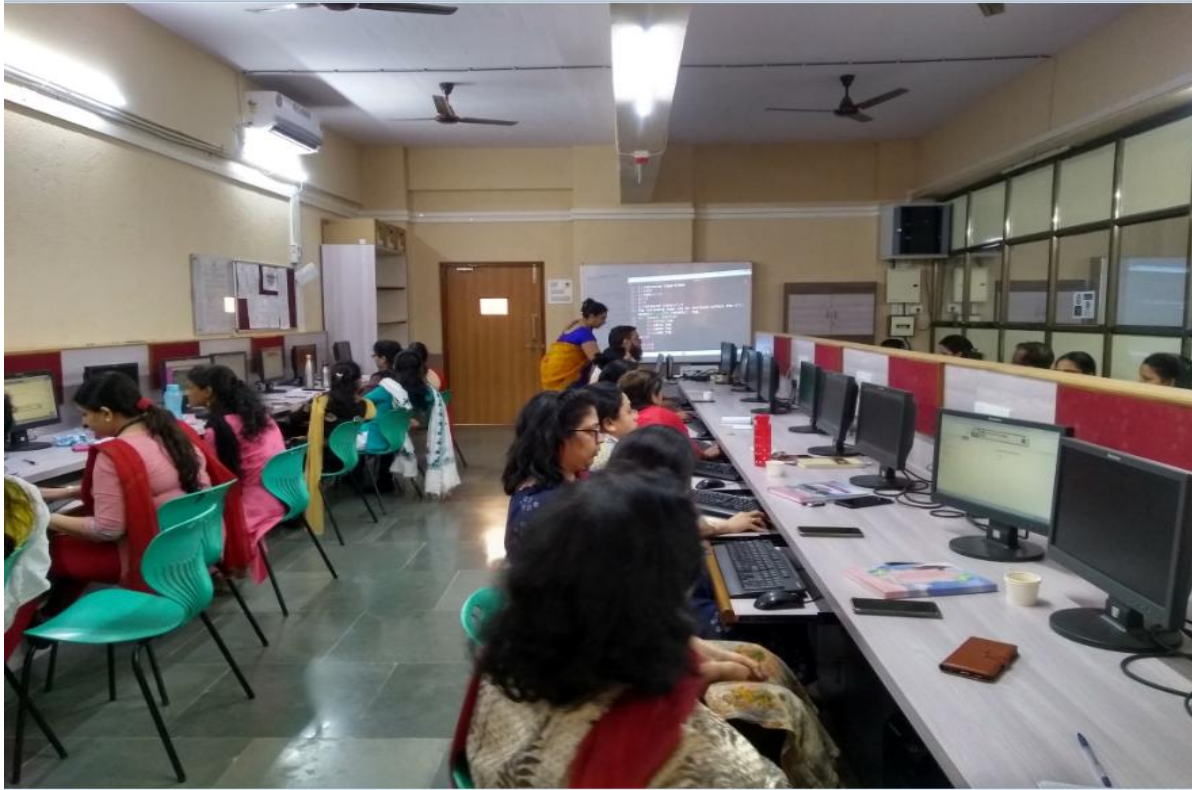
- (a) Develop skills in analyzing the usability of a web site
- (b) Understand how to plan and conduct user research related to web usability.
- (c) Learn the language of the web: HTML

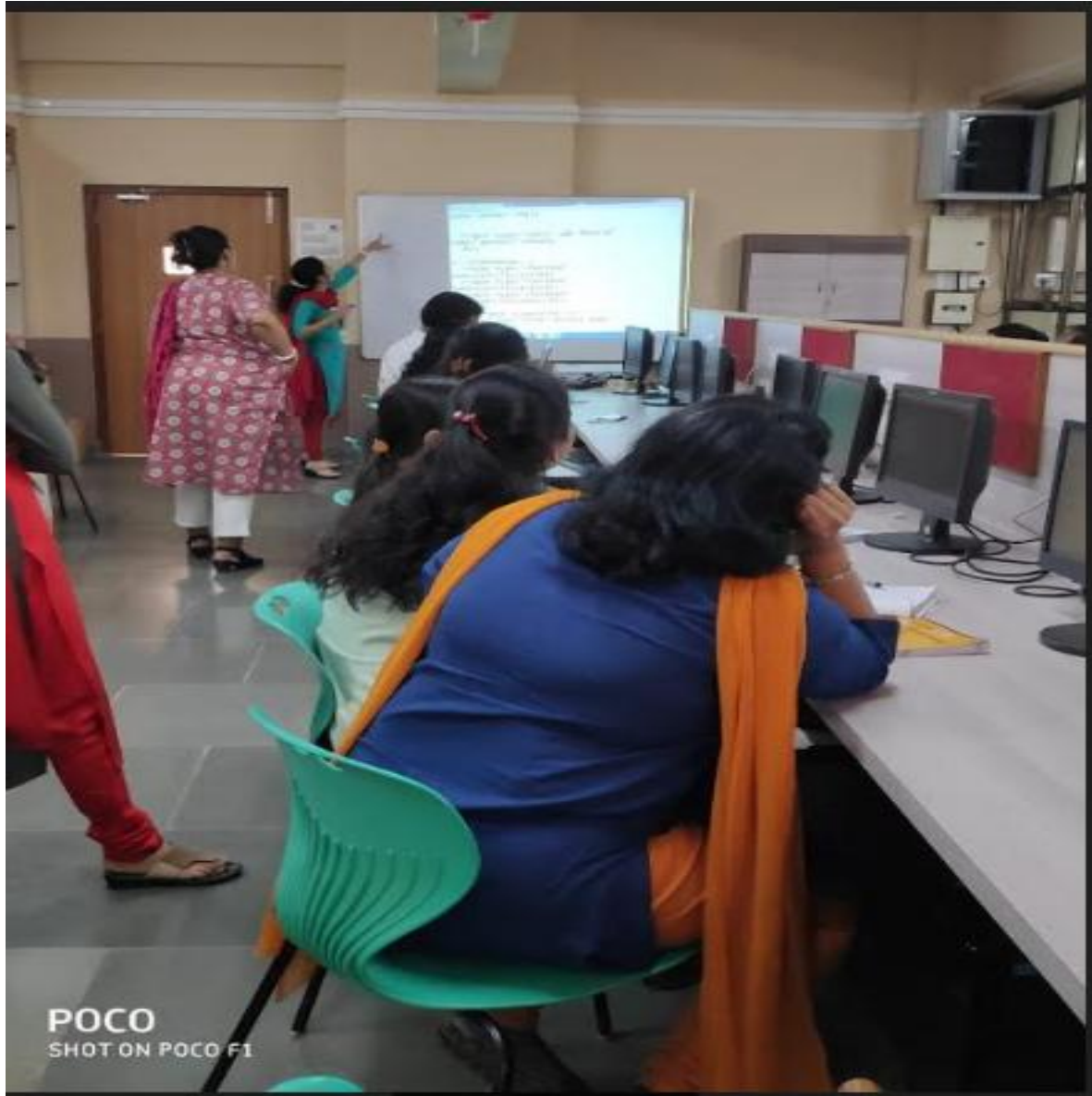
There were approximately 25 faculty participants who attended the workshop.

Session Photographs









Ms. Varsha N and Ms. Snehal K.

Seminar/Workshop Incharge

Dr. Kavita Sonawane

HOD, CMPN

St. Francis Institute of Technology Borivali Mumbai
Basic Science and Humanities
Report on FIP -2019

Academic Year 2019-2020

Date 1st July 2019 to 4th July 2019

Venue : Room No. 105

Report on Faculty Induction Programme 2019

Faculty Induction Programme began on Monday, 1st July, 2019 with the Inaugural function where Director Bro Jose Thuruthiyil gave the key note address.

This was followed by the sessions of the day, the first session was on "Institute's Vision/Mission, Governance ,Statutory & Regulatory bodies and ISO 9001-2015 awareness" conducted by Mr. Francis D'Souza in which he highlighted on the requirements needed for ISO certification along with an explanation of quality policy .

Our Principal, Dr. Sincy George, conducted the second session. The participants were acquainted to concepts of programme outcomes and course outcomes.

The third session by Dr. C. Hariprasad, introduced the participants to the course file and its various elements highlighting importance of detailed planning for fruitful teaching.

The last session for the day was on "Pre -microteaching" session conducted by Ms. Preethi Colaco where the participants were familiarised with the methods and skills of teaching.

On Day 2, we began with a session on Accreditation and Quality Assurance by Dr. Deepak Jayswal. The participants were introduced to aspects that helped them know more about SFIT and challenges in achieving an accreditation.

The second session was on "Adolescent psychology" by Ms. Deepa Panakkal. The participants understood behaviour changes in the students and how to deal with the students.

The concluding session of the day was on "Real mechanics of teaching" where Mr. M. K. Bysani shared the real life experiences of teaching.

On day 3, Ms. Preethi Colaco conducted the post micro teaching session. Feedback provided from the resource person, the session judges and their peers helped them enhance their skills.

The programme concluded with the valedictory function.

"Teaching is science and it is an art also", through this Programme, we have touched upon three major aspects:

1. How to motivate students and become an inspiring teacher
2. How to keep a record and maintain a document for further reference.
3. How to enhance the skills of teaching through the practical approach.



FIP – 2019 Participants.

PARTICIPANT ATTENDANCE FIP -19

ATTENDANCE FOR FIP - 19									
SR.No	NAME OF THE PARTICIPANTS	01-07-2019	01-07-2019	01-07-2019	01-07-2019	02-07-2019	02-07-2019	02-07-2019	04-07-2019
		Sign	Sign	Sign	Sign	Sign	Sign	Sign	Sign
1	Ms. Neha Agnihotri FE								
2	Dr. Harshada Jadhav BSH								
3	Ms. Sowmya Saudolla ES								
4	Mr. Varunkumar Mishra IT								
5	Mr. Yunus Dalal Mechanical								
6	Mr. Aamir Khan								
7	Mr. Prasad Kawade Mechanical								
8	Ms. Derin Johns Electrical								
9	Mr. Pratik Rahate Electrical								
10	Ms. Varsha Thandassary Electrical								
11	Ms. Shruti Vyas EXTC								
12	Sawant Prapti Prakash		AB	AB	AB	AB	AB	AB	
13	Rathod Pawan Manoj	AB	AB	AB	AB	AB	AB	AB	
14	George Resnma	AB	AB	AB	AB	AB	AB	AB	
15	D'Souza Cletus Andrew Agnello	AB	AB	AB	AB	AB	AB	AB	
16	Sonal Jayantilal Dubal			AB	AB	AB	AB	AB	
17	Patil Kajal Gopal			AB	AB	AB	AB	AB	

FIP 2019 Schedule

FACULTY INDUCTION PROGRAMME, SFIT MUMBAI
1st July to 4th July 2019

DAY DATE	9:30 – 10:00	SESSION I 10:15 – 11:15	SESSION II 11:15 – 12:15	SESSION III 1:00 – 2:00	SESSION IV 2:15 – 3:45
DAY1 1 st July, Monday	Inauguration	Vision & Mission (ISO awareness) (Mr. Francis D'souza)	Concepts of Programme outcomes and course outcomes By Dr. Sincy George	Introduction to the Course file by Dr. C. Hariprasad	Micro-teaching (Pre) (Ms. Preethi Colaco)
DAY2 2 nd July, Tuesday		9:15 – 10:15 Accreditation Process for Educational Quality Assurance (Dr. Deepak Jayswal)	10:30 – 11:30 Adolescent psychology by Ms. Deepa Panakkal	11:30 – 12:30 Real mechanics of teaching Mr. M.K. Bysani	
DAY3 4 th July, Thu day		(STAFF MEETING) EXAM REFORMS		1:00 – 3:30 Micro-teaching (Post) (Ms. Preethi Colaco)	3:45 – 4:30 Valedictory function

2018-19

For Whom

- ❖ Faculty members and Researchers
- ❖ Practitioners from Industry
- ❖ U.G. and P.G. students

Registration Fees

- ❖ U.G./P.G. Students (College ID): 1500/-
- ❖ Academicians (ISTE members): 2500/-
- ❖ Academicians (non-ISTE members): 3000/-
- ❖ Participants from Industry/Others: 3500/-

Course fee includes course material, breakfast, lunch, tea and snacks on all working days.

No travel allowance/accommodation is provided to participants. However, on prior request, arrangements can be made at additional costs.

Important Dates

- Last date of registration: June 25, 2018
- Course start date: July 02, 2018
- Course end date: July 06, 2018
- Timing (all days): 9:30 a.m. – 4:45 p.m.

Contact Details

Name: Ms. Snehal Kulkarni
 Designation: Assistant Professor
 Department: Computer Engineering
 Contact No: +91 9967 536 938

Name: Ms. Sridari Iyer
 Designation: Assistant Professor
 Department: Computer Engineering
 Contact No: +91 9867 152 468

Email: sttp_cmpn2018@sfitengg.org

Website: www.sfitengg.org/CMPN_STTP_2018.php

About the Institute

St. Francis Institute of Technology was established in 1999 with a vision to create young entrepreneurs, who will lead the world tomorrow with integrity. SFIT is a Roman Catholic Minority Educational Institute affiliated to Mumbai University, approved by AICTE, NBA and ISO 9001:2015 certified. The institute was started with three U.G. Programs in the most coveted disciplines—Information Technology, Computer Engineering and Electronics & Telecommunication Engineering. Masters and Ph.D. courses are also available in Computer Engineering and Electronics & Telecommunication Engineering.



About the Department

Department of Computer Engineering is NBA accredited till June 2019. The competent faculties, dynamic students and specialized laboratories are the strengths of the department. Our students' association Code-X is a technical platform to serve the extra-curricular needs of our students.

About the Program

Digital India is a movement initiated by our Honorable Prime Minister, Shri Narendra Modi, with a vision to transform India into a digitally empowered society. We, as a technical educational institute, wish to support his mission by conducting a training program that can provide awareness about this concept to all individuals and how to support and contribute towards it. We have invited eminent personalities from well-reputed organizations who have several years of experience in related fields to conduct this program, which focuses to transform each participant to take the lead in digitizing India.



Department of Computer Engineering Announces

AICTE-ISTE Approved

One-week Short-Term Training Program (STTP) on

"TRANSFORMATIONAL LADDER TO DIGITIZE INDIA"

Transforming India into a digitally empowered society and knowledge economy

From 2nd to 6th July 2018 Towards



St. Francis Institute of Technology

Mt. Painsur, S.V.P. Road, Borivali (West), Mumbai 400103.

Ph. No. 022-28928585/28908585

Website: www.sfitengg.org

Email: sttp_cmpn2018@sfitengg.org

Objectives

Through this STTP, we wish to

1. Encourage every participant to contribute towards digitizing India.
2. Promote research and explore innovative ideas for making India a fully digitized country.
3. Find a real-time and practical approach towards digitizing societal problems.
4. Gain awareness of upcoming problems during digitizing our society.
5. Create and build a sense of responsibility towards the growth of our country.

Outcomes

1. Participants will have crisp ideas to start new ventures and the required hands-on experience.
2. Startup ideas to promote Entrepreneurship
3. Ability to provide solutions to societal problems through digitization.
4. Opening new horizons for research with strong Industry–Institute Interactions.
5. **Prospective final-year students will be able to choose good projects that can contribute towards the growth of our country.**

Topics Covered

- ❖ Digitization in Food Technology
- ❖ Digital Security
- ❖ Digitization of Currency
- ❖ Digitization in Educational field
- ❖ Digitization in Agriculture
- ❖ Digitization in Healthcare
- ❖ Analytics of Digital Data
- ❖ Hands-on Designing

Patron/ Chairman

- ❖ **Bro. Jose Thuruthiyil** – Director, SFIT
- ❖ **Dr. Sincy George** – Principal, SFIT

Convenor

- ❖ **Dr. Kavita Sonawane** – Professor and Head of Computer Engineering Department, SFIT

Cordinators

- ❖ Ms. Snehal Kulkarni
- ❖ Ms. Sridari Iyer

Organizing Team

- ◆ Ms. Bidisha R
- ◆ Ms. Anuradha G
- ◆ Mr. Shamshuddin K
- ◆ Ms. Nidhi G
- ◆ Ms. Jayshree M
- ◆ Ms. Varsha N
- ◆ Ms. Ankita K
- ◆ Ms. Varsha S
- ◆ Mr. Rajkumar S
- ◆ Ms. Vincy J
- ◆ Ms. Pradnya R
- ◆ Ms. Priya K
- ◆ Ms. Safa H
- ◆ Mr. Rupesh M
- ◆ Ms. Sneha N
- ◆ Mr. Amanat P

Resource Persons

- ❖ Dr. Bernard Menezes (IIT Bombay)
- ❖ Dr. Uday Annapure (ICT, Mumbai)
- ❖ Dr. Bhushan Garware (Persistent Systems)
- ❖ Dr. Santosh Bothe (NMIMS, Shirpur)
- ❖ Dr. Deven Shah (TCET)
- ❖ Dr. Vikram Shete (Ninsar Agritech)
- ❖ Mr. Nimish Somaiya (Oil & Gas)
- ❖ Ms. Ajita Deshmukh (CIET)

Registration Form

Name: _____

Designation: _____

Qualification: _____

Institute/Organization: _____

Address of Correspondence: _____

Phone/Mobile no.: _____

Email: _____

ISTE: Yes No

If yes, ISTE Membership no. _____

Category: Student Faculty

Industry Others

Mode of Payment:

NEFT Cash

For online registration and payment visit:

www.sfitengg.org/CMPN_STTP_2018.php

Signature of Participant

APPRAISE EDUCATION

Indians are talented, and Information Technology is the field required by every business. Let us put them together and see a better India tomorrow.

IT + IT → IT
 Indian Talent Info Tech India Tomorrow

REPRISE INNOVATION



St. Francis Institute of Technology
DEPARTMENT OF COMPUTER ENGINEERING

Report

“Transformational Ladder To Digitize India”

Short term training program

- Event Date: **2ND July-6th July 2018**
- Time: **9.00 am- 5.00pm pm**
- Venue: **St Francis Institute Of Technology**
- No. of Registered Students: **35**
- Resource Persons: **Dr. Bhushan Garware,Dr. Deven Shah,Dr. Vikram Shete,Prathamesh Churi,Mr. Nimish Somaiya,Dr. Santosh Bothe,Dr. Bernard Menezes,Ms. Ajita Deshmukh,Dr. Uday Annapure**

Resource Persons Details

	Name of Speakers	Details	Topics
Day 1	Dr. Bhushan Garware	Persistent Technology, Pune	Introduction to Machine Learning, deep learning
Day 2	Dr. Deven Shah	Vice Principal, TCET, Mumbai	Block chain technology
	Dr. Vikram Shete	Ninsar Agritech, Pune	Digital Agritech
Day 3	Prathamesh Churi	NMIMS,MUMBAI	Pilers Of Digital India
	Vikram Shete	Ninsar Agritech, Pune	Digital Footprint
	Mr. Nimish Somaiya	Oil & Natural Gas, Mumbai	Analytics of Digital Data
Day 4	Dr. Santosh Bothe	Professor at Innovative Entrepreneurship Development,NMIMS, Shirpur	Role of ICT in Future Healthcare
	Dr. Bernard Menezes	IIT Mumbai	Cryptography Application

Day 5	Ms. Ajita Deshmukh	Director, CIET, Delhi	Creating Interactive e-Content using FOSS (Free and Open Source Software)
	Dr. Uday Annapure	Professor Head of Dept of food engineering and Tech, ICT, Mumbai	Digitization in Food Technology

A Description :

Digital India is a movement initiated by our Honorable Prime Minister, Shri Narendra Modi, with a vision to transform India into a digitally empowered society. We, as a technical educational institute, wish to support his mission by conducting a training program that can provide awareness about this concept to all individuals and how to support and contribute towards it. We have invited eminent personalities from well-reputed organizations who have several years of experience in related fields to conduct this program, which focuses to transform each participant to take the lead in digitizing India.

Through this STTP, we wish to

- Encourage every participant to contribute towards digitizing India.
- Promote research and explore innovative ideas for making India a fully digitized country.
- Find a real-time and practical approach towards digitizing societal problems.
- Gain awareness of upcoming problems during digitizing our society.
- Create and build a sense of responsibility towards the growth of our country.

The topics covered in this STTP are,

- Digitization in Food Technology
- Digital Security
- Digitization of Currency
- Digitization in Educational field
- Digitization in Agriculture
- Digitization in Healthcare
- Analytics of Digital Data
- Hands-on Designing
-

On day 1 speaker Dr. Bhushan Garware, Persistent Sytems, Pune Chief Guest and keynote speaker delivered keynote address & gave overview of Machine learning. He focuses on Application of machine learning like weather frcasting , recommendation system ,medical diagnostics, speech recognition etc.He conducted hands-on session in afternoon session for application of machine learning

On day 2 Speaker Dr. Deven Shah, TCET, Mumbai conducted a session on “Digitization of Currency” where he focused on major technologies of digitization .In that session the Bit Coin concept is elaborated by speaker. The concept of “Block chain” was discussed in detail with its applications like asset tracking, carpooling and many more.

In afternoon session Dr. Vikram Shete focused on the upcoming and demanded area “Opportunities in Indian Agritech” where he highlighted use of technology in agriculture through Image processing, Robotics, Machine learning and big data analytics. Then the last session was conducted by same speaker on the topic, “Seven steps to create a successful research/business plan”

On day 3 Dr. Vikram and Mr. Prathamesh Churi covered the topics like Digital Footprints and Pillars of Digital India where the contents covered were, Pros and cons of having a profile on social networking sites, Analysis of data obtained from social profiles, Applications of machine learning to analyze the obtained data, Use of analyzed data in advertising and business growth and the topics discussed in afternoon session were - Digital :Transforming Governance and day-to-day Lives, India’s National Economic Agenda and the Role of Digital Technologies Overview of E-governance and Examples, E-Governance in Estonia and INDIA, Statistics Challenges and Research opportunities of E-Governance in INDIA.

On day 4 Speaker, Dr. Santosh Bothe, NMIMS, Shirpur took a very interesting session on, “Role of ICT in Future Health Care” The points included in his session were,

- What is Information Communication Technology (ICT)?
- ICT for Healthcare
 - o Predict illness before advent of disease
 - o Predict psychosomatic diseases
- Problems that can be solved using ICT
 - o Ageing
 - o Anti-Microbial Resistance (AMR)
 - o Personalizing Health care
 - o Adaption of the pathogens
 - o Targeted Therapeutics
 - o Advance and early diagnosis
 - o Cost reduction
 - o Early warning and preventive care
 - o Real time surveillance camera
- Use of IBM Watson in the field of ICT in Healthcare.

Use of Machine Learning techniques in predictive analysis. The sessions were very informative and interesting.

The next sessions on day 4 was taken by : Dr. Bernard Menezes, IIT Bombay, Mumbai on “Applied Cryptography” where he focused on different security issues and attacks.

On day 5, first two sessions were taken by Ms. Ajita Deshmukh, CIET, New Delhi on, “Creating Interactive e-content using FOSS”. The contents were, Use of Free and Open Source Software (FOSS) in creating course materials Types of online study materials – videos, audios, interactive quiz. And another topic discussed was application of IAT in education.

The last session was conducted by Dr. Uday Annapure, ICT, Mumbai. The contents which were discussed in this session were related to digitization in food industry, its challenges.

The Valedictory function was organized to felicitate participants on successful completion of one week training program on “TL2DI” and Training Completion Certificates were presented to the participants.

On last day the test was conducted which includes,

- 25 marks written test
- 30 minutes time
- 20 objective type questions
- One design problem

B Images of the session





C Attendance of participants :

St. Francis Institute of Technology
Department of Computer Engineering
AICTE-ISTE Approved Career Advancement STTP
TRANSFORMATIONAL LEADER TO DIGITIZE INDIA

Date: 2nd July 2018

Registration No.	Name of the participant	Session 1 9:30 - 11:30	Session 2 11:45 - 12:45	Session 3 1:00 - 2:00	Session 4 3:15 - 4:45
E3001	Nikhil Shrivastava				
E3002	Pragathi Harshad Borde				
E3003	Dheeraj Maske				
E3004	Parasit Shah				
E3005	Garima Gajjar				
E30100	Nisha Jadhav				
E30101	Vandha Shrivastava				
E30102	Shreya Sharma				
E30103	Charan Chavhan				
E30104	Safa Sakant Harshad				
E30105	Aaradhya Srivastava				
E30106	Pooja Raut				
E30107	Priya Chaudhari				
E30108	Pranvi D Naga				
E30109	Shikha Chavan				
E30110	Mrunalini Mahajan				
E30111	Nishi Gaur				
E30112	Aruna Sankhe				
E30113	Pradnya Balakrishna Bane				
E30114	K. Priya Karanikaran				
E30115	Vandha Nagarkar				
E30116	Sonal Vaidya				
E30117	Ms. Prayati Datta				
E30118	Ms. Pradnya Pradhan				
E30119	Ms. Tejal Carvalho				
E30120	Rupesh Mishra				

St. Francis Institute of Technology
Department of Computer Engineering
AICTE-ISTE Approved Career Advancement STTP
TRANSFORMATIONAL LEADER TO DIGITIZE INDIA

Date: 2nd July 2018

Registration No.	Name of the participant	Session 1 9:30 - 11:30	Session 2 11:45 - 12:45	Session 3 1:00 - 2:00	Session 4 3:15 - 4:45
E3001	Nikhil Shrivastava				
E3002	Pragathi Harshad Borde				
E3003	Dheeraj Maske				
E3004	Parasit Shah				
E3005	Garima Gajjar				
E30100	Nisha Jadhav				
E30101	Vandha Shrivastava				
E30102	Shreya Sharma				
E30103	Charan Chavhan				
E30104	Safa Sakant Harshad				
E30105	Aaradhya Srivastava				
E30106	Pooja Raut				
E30107	Priya Chaudhari				
E30108	Pranvi D Naga				
E30109	Shikha Chavan				
E30110	Mrunalini Mahajan				
E30111	Nishi Gaur				
E30112	Aruna Sankhe				
E30113	Pradnya Balakrishna Bane				
E30114	K. Priya Karanikaran				
E30115	Vandha Nagarkar				
E30116	Sonal Vaidya				
E30117	Dr. Kavita Srivastava				
E30118	Ms. Prayati Datta				
E30119	Ms. Pradnya Pradhan				
E30120	Ms. Tejal Carvalho				
E30121	Ms. Sonal Vaidya				
E30122	Ms. Rupesh Mishra				

St. Francis Institute of Technology
Department of Computer Engineering
AICTE-ISTE Approved Career Advancement STTP
TRANSFORMATIONAL LEADER TO DIGITIZE INDIA

Date: 5th July 2018

Registration No.	Name of the participant	Session 1 9:30 - 11:30	Session 2 11:45 - 12:45	Session 3 1:00 - 2:00	Session 4 3:15 - 4:45
E3001	Nikhil Shrivastava				
E3002	Pragathi Harshad Borde				
E3003	Dheeraj Maske				
E3004	Parasit Shah				
E3005	Garima Gajjar				
E30100	Nisha Jadhav				
E30101	Vandha Shrivastava				
E30102	Shreya Sharma				
E30103	Charan Chavhan				
E30104	Safa Sakant Harshad				
E30105	Aaradhya Srivastava				
E30106	Pooja Raut				
E30107	Priya Chaudhari				
E30108	Pranvi D Naga				
E30109	Shikha Chavan				
E30110	Mrunalini Mahajan				
E30111	Nishi Gaur				
E30112	Aruna Sankhe				
E30113	Pradnya Balakrishna Bane				
E30114	K. Priya Karanikaran				
E30115	Vandha Nagarkar				
E30116	Sonal Vaidya				
E30117	Dr. Kavita Srivastava				
E30118	Ms. Prayati Datta				
E30119	Ms. Pradnya Pradhan				
E30120	Ms. Tejal Carvalho				
E30121	Ms. Sonal Vaidya				
E30122	Ms. Rupesh Mishra				

St. Francis Institute of Technology
Department of Computer Engineering
AICTE-ISTE Approved Career Advancement STTP
TRANSFORMATIONAL LEADER TO DIGITIZE INDIA

Date: 5th July 2018

Registration No.	Name of the participant	Session 1 9:30 - 11:30	Session 2 11:45 - 12:45	Session 3 1:00 - 2:00	Session 4 3:15 - 4:45
E3001	Nikhil Shrivastava				
E3002	Pragathi Harshad Borde				
E3003	Dheeraj Maske				
E3004	Parasit Shah				
E3005	Garima Gajjar				
E30100	Nisha Jadhav				
E30101	Vandha Shrivastava				
E30102	Shreya Sharma				
E30103	Charan Chavhan				
E30104	Safa Sakant Harshad				
E30105	Aaradhya Srivastava				
E30106	Pooja Raut				
E30107	Priya Chaudhari				
E30108	Pranvi D Naga				
E30109	Shikha Chavan				
E30110	Mrunalini Mahajan				
E30111	Nishi Gaur				
E30112	Aruna Sankhe				
E30113	Pradnya Balakrishna Bane				
E30114	K. Priya Karanikaran				
E30115	Vandha Nagarkar				
E30116	Sonal Vaidya				
E30117	Dr. Kavita Srivastava				
E30118	Ms. Prayati Datta				
E30119	Ms. Pradnya Pradhan				
E30120	Ms. Tejal Carvalho				
E30121	Ms. Sonal Vaidya				
E30122	Ms. Rupesh Mishra				



St. Francis Institute of Technology
Department of Computer Engineering

AICTE-ISTE Approved Career Advancement STTP

TRANSFORMATIONAL LADDER TO DIGITIZE INDIA

Date: 4th July 2019

Registration No.	Name of the participant	Session 1 9:30 - 11:30	Session 2 11:45 - 12:45	Session 3 1:30 - 3:00	Session 4 3:15 - 4:45
E3R91	Nikita Shresh Nagre				
E3R92	Pranjita Harshad Borole				
E3R93	Deepali Mani				
E3R94	Pooja shah				
E3R95	Aarona Gargya				
E3R100	Shubha Jadhav				
E3R101	Yashika Shivrajnava				
E3R102	Shweta Sharma				
E3R103	Charmi Chaitanya				
E3R106	Safa Saleem Hamdani				
E3R108	Aparadha Srivatsanagharan				
E3R109	Prachi Ran				
E3R110	Priya Chandhari				
E3R111	Indrani Mittal				
E3R112	Shilpa Chatur				
E3R113	Prasoon D Naga				
E3R114	Mrunmayee Mukherjee				
E3R115	Nishi Gaar				
E3R116	Aarati Sarkar				
E3R117	Prashya Balakrishna Hare				
E3R118	K. Priya Karanikaran				
E3R119	Varsha Nagarkar				
E3R120	Sonal Vaidya				
	Ms. Pragati Datta				
	Ms. Prashya Pradhan				
	Ms. Tajal Carvalho				
	Rupesh Mishra				



St. Francis Institute of Technology

Department of Computer Engineering

AICTE-ISTE Approved Career Advancement STTP

TRANSFORMATIONAL LADDER TO DIGITIZE INDIA

Date: 4th July 2019

Registration No.	Name of the participant	Session 1 9:30 - 11:30	Session 2 11:45 - 12:45	Session 3 1:30 - 3:00	Session 4 3:15 - 4:45
E3R91	Nikita Shresh Nagre				
E3R92	Pranjita Harshad Borole				
E3R93	Deepali Mani				
E3R94	Pooja shah				
E3R95	Aarona Gargya				
E3R100	Shubha Jadhav				
E3R101	Yashika Shivrajnava				
E3R102	Shweta Sharma				
E3R103	Charmi Chaitanya				
E3R106	Safa Saleem Hamdani				
E3R108	Aparadha Srivatsanagharan				
E3R109	Prachi Ran				
E3R110	Priya Chandhari				
E3R111	Indrani Mittal				
E3R112	Shilpa Chatur				
E3R113	Prasoon D Naga				
E3R114	Mrunmayee Mukherjee				
E3R115	Nishi Gaar				
E3R116	Aarati Sarkar				
E3R117	Prashya Balakrishna Hare				
E3R118	K. Priya Karanikaran				
E3R119	Varsha Nagarkar				
E3R120	Sonal Vaidya				
	Ms. Pragati Datta				
	Ms. Prashya Pradhan				
	Ms. Tajal Carvalho				
	Rupesh Mishra				



St. Francis Institute of Technology

Department of Computer Engineering

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TRANSFORMATIONAL LADDER TO DIGITIZE INDIA

Date: 3rd July 2019

Registration No.	Name of the participant	Session 1 9:30 - 11:30	Session 2 11:45 - 12:45	Session 3 1:30 - 3:00	Session 4 3:15 - 4:45
E3R97	Anu In Jetro Jerald Selvarani				
E3R98	Joseph Joanna Joseph Juliet				
E3R103	Aaraha Oshin Ronald Charlotte				
E3R104	Kannanaikal Anmol Jayan Shery				
E3R107	Kondankar Sonali Damodar				
	Stephina Dsouza				
E3R121	Michelle Alva				
	Chaitanya Bhowal				



St. Francis Institute of Technology

Department of Computer Engineering

AICTE-ISTE Approved Career Advancement STTP

TRANSFORMATIONAL LADDER TO DIGITIZE INDIA

Date: 4th July 2019

Registration No.	Name of the participant	Session 1 9:30 - 11:30	Session 2 11:45 - 12:45	Session 3 1:30 - 3:00	Session 4 3:15 - 4:45
E3R97	Anu In Jetro Jerald Selvarani				
E3R98	Joseph Joanna Joseph Juliet				
E3R103	Aaraha Oshin Ronald Charlotte				
E3R104	Kannanaikal Anmol Jayan Shery				
E3R107	Kondankar Sonali Damodar				
	Stephina Dsouza				
E3R121	Michelle Alva				
	Chaitanya Bhowal				

St. Francis Institute of Technology
Department of Computer Engineering
AICTE-ISTE Approved Career Advancement STTP
ON
TRANSFORMATIONAL LADDER TO DIGITIZE INDIA

Date: 3rd July 2019

Registration No.	Name of the participant	Date: 3rd July 2019			
		Session 1 9:30 - 11:30	Session 2 11:45 - 12:45	Session 3 1:00 - 3:00	Session 4 3:15 - 4:15
E3R091	Pratik Shrivastava				
E3R092	Pratik Handark Prade				
E3R093	Dhruv Malik				
E3R094	Pratik Chit				
E3R095	Pratik Gupta				
E3R100	Pratik Mishra				
E3R101	Vishal Shrivastava				
E3R102	Shivam Mishra				
E3R103	Pratik Chitambar				
E3R104	Pratik Mishra				
E3R105	Pratik Shrivastava				
E3R106	Pratik Shrivastava				
E3R107	Pratik Mishra				
E3R108	Pratik Mishra				
E3R109	Pratik Mishra				
E3R110	Pratik Mishra				
E3R111	Pratik Mishra				
E3R112	Pratik Mishra				
E3R113	Pratik Mishra				
E3R114	Pratik Mishra				
E3R115	Pratik Mishra				
E3R116	Pratik Mishra				
E3R117	Pratik Mishra				
E3R118	Pratik Mishra				
E3R119	Pratik Mishra				
E3R120	Pratik Mishra				
E3R121	Pratik Mishra				
E3R122	Pratik Mishra				
E3R123	Pratik Mishra				
E3R124	Pratik Mishra				
E3R125	Pratik Mishra				
E3R126	Pratik Mishra				
E3R127	Pratik Mishra				
E3R128	Pratik Mishra				
E3R129	Pratik Mishra				
E3R130	Pratik Mishra				
E3R131	Pratik Mishra				
E3R132	Pratik Mishra				
E3R133	Pratik Mishra				
E3R134	Pratik Mishra				
E3R135	Pratik Mishra				
E3R136	Pratik Mishra				
E3R137	Pratik Mishra				
E3R138	Pratik Mishra				
E3R139	Pratik Mishra				
E3R140	Pratik Mishra				
E3R141	Pratik Mishra				
E3R142	Pratik Mishra				
E3R143	Pratik Mishra				
E3R144	Pratik Mishra				
E3R145	Pratik Mishra				
E3R146	Pratik Mishra				
E3R147	Pratik Mishra				
E3R148	Pratik Mishra				
E3R149	Pratik Mishra				
E3R150	Pratik Mishra				
E3R151	Pratik Mishra				
E3R152	Pratik Mishra				
E3R153	Pratik Mishra				
E3R154	Pratik Mishra				
E3R155	Pratik Mishra				
E3R156	Pratik Mishra				
E3R157	Pratik Mishra				
E3R158	Pratik Mishra				
E3R159	Pratik Mishra				
E3R160	Pratik Mishra				
E3R161	Pratik Mishra				
E3R162	Pratik Mishra				
E3R163	Pratik Mishra				
E3R164	Pratik Mishra				
E3R165	Pratik Mishra				
E3R166	Pratik Mishra				
E3R167	Pratik Mishra				
E3R168	Pratik Mishra				
E3R169	Pratik Mishra				
E3R170	Pratik Mishra				
E3R171	Pratik Mishra				
E3R172	Pratik Mishra				
E3R173	Pratik Mishra				
E3R174	Pratik Mishra				
E3R175	Pratik Mishra				
E3R176	Pratik Mishra				
E3R177	Pratik Mishra				
E3R178	Pratik Mishra				
E3R179	Pratik Mishra				
E3R180	Pratik Mishra				
E3R181	Pratik Mishra				
E3R182	Pratik Mishra				
E3R183	Pratik Mishra				
E3R184	Pratik Mishra				
E3R185	Pratik Mishra				
E3R186	Pratik Mishra				
E3R187	Pratik Mishra				
E3R188	Pratik Mishra				
E3R189	Pratik Mishra				
E3R190	Pratik Mishra				
E3R191	Pratik Mishra				
E3R192	Pratik Mishra				
E3R193	Pratik Mishra				
E3R194	Pratik Mishra				
E3R195	Pratik Mishra				
E3R196	Pratik Mishra				
E3R197	Pratik Mishra				
E3R198	Pratik Mishra				
E3R199	Pratik Mishra				
E3R200	Pratik Mishra				

D STTP Feedback

Participant feedback:

St. Francis Institute of Technology
Department of Computer Engineering
AICTE – ISTE Approved Career Advancement STTP
ON
TRANSFORMATIONAL LADDER TO DIGITIZE INDIA

Feedback Form

Resource Person Name: **Dr. Bhushan Garware** Session No. 1, 2, 3, 4

1. How would you rate the session in terms of following

	Excellent	Very Good	Good	Fair	Poor
Quality of subject content and its relevancy	✓				
Time Management by speaker		✓			
Material provided		✓			
Instructor's knowledge in the subject area	✓				
Hands On exercise		✓			
Rate the overall session		✓			

2. Will you recommend the speaker for future seminars YES NO

3. Have your skills/knowledge increased as a result of this session YES NO


4. Any other suggestions or comments

Session was good, however time was insufficient.

Name of the participant (Optional):

E Result/Impact Analysis

Quiz question paper :

 **St. Francis Institute of Technology**
Department of Computer Engineering

AICTE - ISTE Approved Career Advancement STTP
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TRANSFORMATIONAL LADDER TO DIGITIZE INDIA

TEST

Name of the participant: _____ Maximum Marks : 25
Registration Id: _____ Maximum Time : 1 hour

I. Choose the correct alternative [1 Mark each]

- Categories of Machine Learning Algorithms
a. Supervised, Unsupervised and Reinforcement
b. Supervised, Unsupervised and Regression
c. Classification, Unsupervised and Anomaly Detection
d. None of above
- Which of the following is an option for ML App Development
a. Android IDE b. Web Services c. Libraries d. Both b and c
- Block-chain follows _____ architecture
a. Distributed b. Centralized c. Decentralized d. Clustered
- _____ is used to show ownership of bitcoin
a. Public key b) Private key c. Secret key d. Both a and b
- Hash function used in bitcoin
a. md5 b. sha256 c. aes d. triple des
- Which of the following are inputs in agritech
a. Seeds and soil b. Water and electricity
c. Fertilizer and cereals d. Both a and b

17. Bitcoin is _____ language
a. Procedure oriented b. Stack based c. High level d. None of above

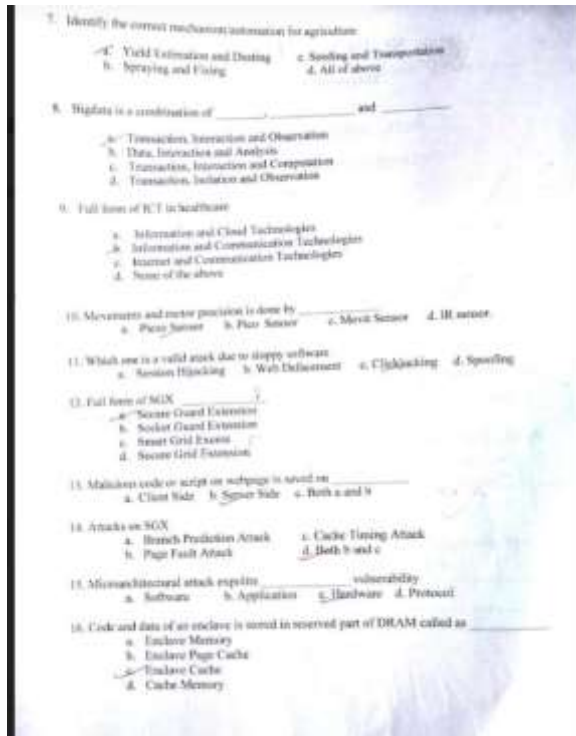
18. Bitcoin was born in _____
a. 2005 b. 2008 c. 2009 d. 2010

19. What is crime in Machine Learning
a. Chopping of data b. Using historical data c. Using right input d. Both b and c

20. What is the similarity in the following: casel.ly, mind4u, hotpotato, k5p.
a. Video-editing tools
b. Open-source quiz making tools
c. Open-source education tools
d. Open-source classrooms

II. Designing Problem

- Find a societal problem that can be solved using digitization [1M]
- Give a feasible solution [2M]
- Draw a block diagram to show how to implement the given solution [2M]



St. Francis Institute of Technology
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 AICTE-ISTE Approved Career Advancement STTP
 OR
 TRANSFORMATIONAL LADDER TO DIGITIZE INDIA

Tota's Result

Registration No.	Number	Name of the participant	Result (%)
ESR51	1	Nikita Surab Nigral	18
ESR92	2	Pratik Harshad Borale	18
ESR93	3	Shreyash Mote	20
ESR94	4	Suran Shah	21
ESR95	5	Karim Ghatge	22
ESR100	6	Shelja Jadhav	19
ESR101	7	Vandita Suryawanshi	21
ESR102	8	Shweta Sharma	21
ESR103	9	Chandni Chaitanya	21
ESR106	10	Saty Salimani Harshad	20
ESR108	11	Anuradha Srinivasanagharan	20
ESR109	12	Prachi Bhat	19
ESR110	13	Priya Chaudhari	19
ESR111	14	Jyotsna Mittal	19
ESR112	15	Shilpa Chatur	18
ESR113	16	Pharati D Nagesh	18
ESR114	17	Mrunmayee Mukhtyar	19
ESR115	18	Nidhi Gaur	19
ESR116	19	Anurita Sonkar	22
ESR117	20	Pratibha Walakrishna Rane	21
ESR118	21	K.Priya Karanikaran	21
ESR119	22	Vandita Nagsurkar	18
ESR120	23	Snehal Vaidya	22
ESR121	24	Ms. Prajyoti Dholva	22
ESR122	25	Ms. Pradhyas Pradhan	20
ESR123	26	Ms. Tejal Carvalho	20
ESR124	27	Rupesh Mishra	18

F Certificate



G Comment of HOD

Patron: Bro. Jose Thuruthiyil (Director, SFIT) and Dr. Sincy George (Principal, SFIT)

Convener: Dr. Kavita Sonawane-Professor, Head of the Department (Computer Engineering),
SFIT Coordinator: Ms. Snehal Kulkarni (Assistant Professor, SFIT) and Ms. Sridari Iyes
(Assistant Professor, SFIT)

Advisory Committee	
Organizing Committee	Bidhisha Roy , R.K.Shende , G.Anuradha , Vincy Joseph , S.S.Khan ,Pradnya Rane , Nidhi Gaur
Publication & marketing Committee	Convener: R.K.Shende
	Members : Priya K. ,Snehal Kathale, Priyanka Patil
Finance Committee	Convener:Vincy J
	Members : Jayashree Mittal, Varsha Nagpurkar
Registration Committee	Convener: G. Anuradha
	Members : Vivian Lobo, Priya Chaudhari, Venessa
Hospitality	Convener: Bidhisha Roy
	Members : Rupesh Mishra, Sneha Jadhav, Supriya S, Blessina
Technical Committee	Convener: Pradhnya Rane
	Members : Safa Hamdare , Mandar Rane, Nivedita
Venue arrangement	Convener: S S Khan Priyadas, Amanat, Mandar
Anchoring	Convener: Nidhi Varsha, Shobha, Vivian, Jerin
Attendance and feedback management	Convener: Ankita Sweedle, Kirti
photography	Convener: Rupesh Gaurav,

Report prepared by
Ms Snehal Kulkarni & Ms Sridari Iyer
Coordinator, STTP

DAILY ATTENDANCE IN STTP ON
Embedded Systems & Internet of Things

Sr. No.	Participants	17-6-2019		18-6-2019		19-6-2019		20-6-2019		21-6-2019	
		Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening
1.	Subhasini Shukla										
2.	Prajakta Rokde										
3.	Mrs. Jyoti N Jadhav										
4.	Vincy Elizabeth Joseph										
5.	Winner George										
6.	Er. Manoj S. Kavedia										
7.	Mrinmoyee Mukherjee										
8.	Snehal Lopes										
9.	Savita Kulkarni										
10.	Amol Patil										
11.	Nikhita Mangaonkar										

DAILY ATTENDANCE IN STTP ON

17-6-19

18/6

19/6

20/6

21/6

M E Embedded Systems & Internet of Things

M E

M E

12.	Shilpa Chaman									
13.	Garima gurjar									
14.	Indira Jashi									
15.	Nirajsingh Yeotikar									
16.										
17.										
18.										
19.										
20.										
21.										
22.										
23.										
24.										
25.										

Patron

Bro. Jose Thuruthiyil – Director, SFIT
Dr. Sincy George – Principal, SFIT

Convener

❖ Dr. Gautam Shah-Professor
Head of the Department (EXTC), SFIT

Co-ordinators

❖ Ms. Snehal Lopes
Assistant Professor
Email: snehallopes@sfit.ac.in
Contact No. 9970172935

❖ Ms. Savita Kulkarni
Assistant Professor
Email: savitakulkarni@sfit.ac.in
Contact No. 9209807906

Organizing Team

- ❖ Mr. Ramjee Yadav
- ❖ Mr. Kevin D'Souza
- ❖ Ms. Afreenzehra Sayed
- ❖ Mr. Swapnil Chilap
- ❖ Mr. Alister D'souza
- ❖ Ms. Valentina Rani
- ❖ Ms. Olinda Braganza
- ❖ Ms. Swetta Pereira
- ❖ Ms. Pratiksha Deshmukh

Supporting Staff

- Ms. Seema Dhane
- Ms. Meenakshi Surve
- Ms. Vrushali Jadhav
- Mr. Pradip Ghadi
- Mr. Kiran Patil
- Ms Yashada Agarkar

For Whom ?

- ✦ Faculty members and Academicians
- ✦ Researchers and Ph.D Scholars
- ✦ Practitioners from Industry

Registration Procedure

Registration Fees:

- ✦ Participants from UGC approved institutions:
Rs. 3000/- (ISTE Members)
Rs. 3500/- (Non ISTE Members)
 - ✦ Participants from Industry / Others: Rs. 3500/-
- Fill the registration form & pay online before 20th May 2019.

For online registration and payment visit:
<http://www.sfit.ac.in/eiot.php>

Number of seats is limited to 30 participants.

Important Dates

Registration opens: 18th April 2019

Last day of registration: 20th May 2019

Travel Allowance and Accommodation

No travel allowance and accommodation facility will be provided to the participants. However, on prior request, accommodation may be arranged which is chargeable.



St. Francis Institute of Technology
Department of
**Electronics and Telecommunication
Engineering**

Announces

**AICTE-ISTE Approved
One Week**

**Short Term Training Program
on**

**“EMBEDDED SYSTEMS
& INTERNET OF
THINGS”**

From 17th to 21st June 2019

Mount Poinzur, S.V.P. Road, Borivali (West),
Mumbai 400103.

Ph. No. 022-28928585 / 28908585

<http://www.sfit.ac.in>

[email:-eiot@sfit.ac.in](mailto:eiot@sfit.ac.in)

About SFIT

St. Francis Institute of Technology was established in 1999 with a view to create Engineering Institute to fulfil the long felt need for an Institute of Excellence in Borivali. SFIT is a Roman Catholic Minority Educational Institute affiliated to the University of Mumbai, approved by AICTE and ISO 9001: 2015 certified and Department of Electronics and Telecommunication is NBA accredited till June 2022. At SFIT, we offer five UG Programs in the most coveted disciplines namely: Computer Engineering, Electronics & Telecommunication Engineering, Information Technology, Electrical Engineering & Mechanical Engineering, as well as Masters and PhD programs in Computer and Electronics & Telecommunication Engineering.



About the Department of EXTC

Department of EXTC was established in 1999 and currently offers a Bachelor's, Masters and Ph.D degrees. The department consists of highly experienced faculty members well supported by a competent non-teaching team.

About the Program

The Internet of Things (IoT) is expected to emerge as a huge business opportunity for the Indian IT industry in the years ahead. The goal of this STTP is to enhance the skill of the participants in the future technology of IoT & Embedded Systems along with software & hardware realization on special Embedded SoC Board. i.e. Arduino, Raspberry Pi etc.

The Internet of Things (IoT) is the interconnection of uniquely identifiable embedded computing devices within the existing Internet infrastructure. Arduino is an open-source electronics platform based on easy-to-use hardware and software which is used for implementing IoT application. Embedded Linux is extremely high requirement for industry in today's era. The Raspberry Pi board will be a platform to grab knowledge in the field of Embedded Linux. With this, faculties will get a broader perspective of the latest technologies and a new direction in their teaching as well as research which will aid them to guide their students for research projects.

Objectives

- ❖ Get knowledge of fundamental IoT architecture, possibilities and challenges
- ❖ To interact between software and hardware in an IoT device
- ❖ To provide an insight to solve real time problems.
- ❖ To demonstrate various embedded & IoT applications with hands-on training on embedded development board.
- ❖ Describe the role of an operating system to support software in an IoT device
- ❖ Create own embedded projects at low cost.

Topics Covered

The workshop aims to include the following:

- ❖ IoT architecture and Communication Protocols in IoT
- ❖ Quality of service and Design Challenges in IoT
- ❖ Recent Trends in Embedded System
- ❖ Cyber Security in IoT
- ❖ Hands On Session on IoT using Raspberry-pi
- ❖ IoT application using ESP8266 Wifi Module
- ❖ IoT Analytics

Eminent Speakers

- ❖ Dr. Maryam Shojaei(IIT Bombay)
- ❖ Dr. V.S.Despande(VIT ,Pune)
- ❖ Dr. Dayanand Ambawade(SPIT, Andheri)
- ❖ Dr. Prasad Joshi(DJSCE, Vile Parle)
- ❖ Dr. Suprava Patnaik (XIE,Mahim)
- ❖ Mr. Gopalkrishnan Narayanan(VESIT,Chembur)

Also sessions will be conducted by professionals from reputed institutions and IT software industry

Report of STTP

AICTE-ISTE Approved one Week Short Term Program

Date of STTP: 17/06/2019 to 21/06/2019

Title of the STTP: Embedded Systems & Internet of Things



ST. FRANCIS INSTITUTE OF TECHNOLOGY

Department of Electronics and Telecommunication Engineering

welcomes you for the

AICTE-ISTE Approved one week STTP

(ISTE/Proceedings/STTP-SF/MAH-013/2019-20)

on

EMBEDDED SYSTEMS & INTERNET OF THINGS

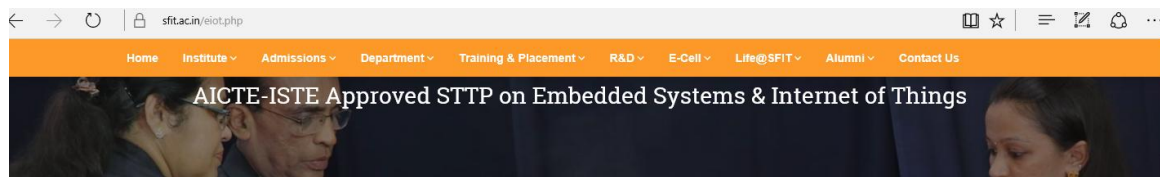
17th to 21st June 2019

Convener

Dr. Gautam Shah
HOD, EXTC Dept.

Program Coordinators

Mrs. Snehal Lopes (9970172935)
Mrs. Savita Kulkarni (9209807906)



Career Advancement Scheme AICTE-ISTE AICTE-ISTE Approved STTP on Embedded Systems & Internet of Things

Department of Electronics and Telecommunication Engineering is very happy to organize One Week AICTE-ISTE approved Short Term Training Programme on "Embedded Systems & Internet of Things" on 17th to 21st June 2019. The STTP will contain a number of special sessions organized by recognized experts. The scope of the STTP includes basic theory and recent advances in IoT, applications and practical implementation. The proposed STTP on Embedded Systems & Internet of Things will provide theoretical and practical hands on experience to participants.

Last date for registration : 30 May 2019

» [Brochure - Click Here](#)

» [Registration - Click Here](#)

Course email id for Correspondence: email:- eiot@sfit.ac.in

For further details contact :

Ms. Snehal Lopes :- [9970172935](tel:9970172935)

Ms. Savita Kulkarni :- [9209807906](tel:9209807906)

Inauguration Photos:





भारतीय तकनीकी शिक्षा संस्था INDIAN SOCIETY FOR TECHNICAL EDUCATION

(Under the Societies' Registration Act XXI of 1860)

Prof. Vaidya Vijay Dattatray
Executive Secretary

ISTE/Proceedings/STTP-SF/MAH-013/2019-20

April 09, 2019

Proceedings of Executive Secretary, ISTE

Sub.: Sanction to conduct full-time AICTE-ISTE Self Financing orientation/refresher programmes for the year 2019-2020.

Please refer to your proposal for conducting STTP on Self Financing Basis. In this regard it is informed that ISTE has signed MoU with AICTE to conduct Orientation and Refresher programs on Self Financing basis. These programs will be jointly certified by ISTE and AICTE. The aims for the conduct of the programmes are: -

- Updating the knowledge improving organizational and pedagogical skills of teachers.
- To update the knowledge providing an opportunity for interaction and mutual exchange of ideas between teachers interested and/or working in particular areas of specialization.
- Providing an opportunity for teachers to familiarize themselves with modern engineering practices, including the latest technological advances adopted by industry keeping in view the National needs and priorities and relevant technologies.
- Opening up before teachers new vistas in technology at the frontiers of knowledge and the challenges and opportunities these provide to the dedicated and hard working.

It is my pleasure to consider your program under this plan. In this connection sanction is hereby accorded to you for the conduct of the programme on self-financing basis under AICTE-ISTE Self Financing orientation/refresher programme.

Name of Institution	:	St. Francis Institute of Technology Mumbai – 400 103
Topic	:	Embedded System & Internet of Things
Name & Address of Coordinators	:	Ms. Snehal Lopes Ms. Savita Kulkarni Asst. Prof. Asst. Prof.
Duration	:	One Week (Minimum 05 Working Days)
Proposed dates	:	17-06-2019 to 21-06-2019

Terms and Conditions:-

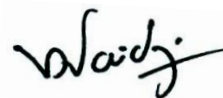
- 1 The institution offering the Programmes should be approved by AICTE and must be Institutional Member of ISTE. Institutions having ISTE Faculty Chapter and Students Chapter shall be preferred. There will be no financial commitment on the part of ISTE on account of this programme. The fee of one proposal is Rs. 1180/- (Incl. 18% GST) paid by DD in favour of ISTE New Delhi along with proposal.

--/2

Shaheed Jeet Singh Marg, Near Katwaria Saria, New Dehli – 110 016

Phone: 91-11 26513542, 26963431, 26514234, Fax: 91-11 26852421, E mail: istedhq@vsnl.net, Website: www.isteonline.in

- 2 ISTE Life membership is necessary to attend SF programmes. However, If any participant is not having life membership he/she may take membership of ISTE before the starting of the course and apply by paying the fee to the course coordinator at the spot before the commencement of the programme. The Life Membership fee Rs. 3540/- (Incl. 18% GST) to be paid by DD in favour of ISTE New Delhi.
- 3 This will be a full-time program and duration of 1 week/2 weeks/4 weeks.
- 4 A processing and operational charges @Rs.354/- (Incl. 18% GST)per participants including certificate printing and handling and postage charges is to be paid to ISTE Headquarters after the program along with the final report as mentioned in item 6 below.
- 5 The registration fee of the participants may be fixed by the host institution.
- 6 Within 15 days after completion of the Programme the final report including list of participants (with their ISTE Membership Number or filled up application forms/list of non-members with Life Membership fee), detailed schedule of the programme with dates, copy of the course notes, list of resource persons invited with full address, contact details, topics, minimum five photographs and a video CD of selected sessions must be sent to ISTE Headquarters, Delhi along with a combined DD @Rs354/- per participant as mentioned above and membership fee for non-members, if any, in favour of **"ISTE, New Delhi"**.
- 7 As per the guidelines of AICTE, a test will be conducted by the institute at the end of the programme & copy of question paper, result sheet of the successful participants is to be submitted to ISTE. Certificates will be issued to those participants only who have attended the programme and have qualified in the test.
- 8 The EC/SMC Member of ISTE preferably from nearby area may be invited during the STTP.
- 9 Participation Certificates will be issued jointly by ISTE Hqs. & AICTE New Delhi to the participants. Course Coordinator to kindly ensure correctness of the names in the list/soft copy of participant's names to enable ISTE to print names exactly the same as appear in the list provided. ISTE HQs Delhi will send participation certificates back to the course coordinator ISTE will ensure that the certificates shall be issued only to those participants who meet the above norms.
- 10 The Programmes shall be considered for the Career Advancement Scheme of AICTE.



Executive Secretary

To,

The Principal
St. Francis Institute of Technology
Mt. Poincur, S.V.P. Road, Borivali
(W) Mumbai – 400 103
Maharashtra State

Copy to:

Mw. Snehal Lopes
Coordinator
St. Francis Institute of Technology
Mt. Poincur, S.V.P. Road, Borivali
(W) Mumbai – 400 103
Maharashtra State

STTP on
“Embedded Systems and Internet of Things”
SCHEDULE

DAY/DATE	TIME	EVENT	TOPIC	RESOURCE PERSON
Monday 17/06/19	9:00am-10:00am	Registration and Breakfast		
	10:00am--12:30pm	Inauguration & key note address Session1	Introduction to Embedded system and Internet of Things Dr. Maryam (IIT,Bombay)	
	12:30pm-1:15 pm	Lunch break		
	1:15pm-2:45pm	Session 2	IOT architecture and Communication Protocols in IOT	Mr. Gopalkrishnan Narayanan, VESIT Assistant Professor at Vivekananda Institute of Technology
	2:45 pm-3:00pm	Tea break		
	3:00 pm- 4:30 pm	Session 3	IOT architecture and Communication Protocols in IOT	Mr. Gopalkrishnan Narayanan, VESIT Assistant Professor at Vivekananda Institute of Technology
Tuesday 18/06/19	9:00 am -9:30 am	Breakfast		
	9:30 am-11:00 am	Session 1	Quality of service and Design Challenges in IOT	Dr. V.S.Despande, VIT ,Pune
	11:00 am-11.15 am	Tea Break		
	11:15am-12:45pm	Session 2	Research problem statements in IOT	Dr. V.S.Despande, VIT ,Pune

	12:45pm-1:15pm	Lunch break		
	1:15pm-2.45pm	Session 3	Resent Trends in Embedded System	Dr. Prasad Joshi, DJSCE
	2:45pm-3:00pm	Tea break		
	3:00pm-4.30pm	Session 4	Cyber Security in IOT	Dr. Dayanand Ambawade, Professor, SPIT
Wednesday 19/06/19	9:00 am 9:30 am	Breakfast		
	9:30 am-11:00 am	Session1	<ul style="list-style-type: none"> • Introduction to RPI 3 • Introduction to Python Language • Software installation & OS upload in memory 	Praco Technocratz
	11:00 am-11.15 am	Tea Break		
	11:15am-12:45pm	Session 2	Hands-on Session	Praco Technocratz
	12:45pm-1:15pm	Lunch Break		
	1:15pm-2.45pm	Session 3	Understanding working of DC Motor using Python	Praco Technocratz
	2:45pm-3:00pm	Tea break		
	3:00pm-4.30pm	Session 4	Small Applications on Python	Praco Technocratz
Thursday 20/06/19	9:00am 9:30am	Breakfast		
	9:30am-11.00am	Session 1	<ul style="list-style-type: none"> • Hands on session on Creating GUI for Controlling LED, MOTOR through python language • Creating Login form (GUI) 	Praco Technocratz
	11:00 am-11.15am	Tea Break		
	11:15am-12:45pm	Session 2	Quiz program in GUI using python	Praco Technocratz

	12:45 pm-1:15 pm	Lunch break		
	1:15pm-2.45pm	Session 3	HOME AUTOMATION : <ul style="list-style-type: none"> • Understanding of Relay Board • Interfacing Relay Board with spike guard 	Praco Technocratz
	2:45pm-3:00pm	Tea Break		
	3:00pm-4.30pm	Session 4	<ul style="list-style-type: none"> • Controlling spike guard using Wi-Fi & mobile app • Introduction to Contiki and Cupcarbon platform. 	Praco Technocratz
Friday 21/06/19	9:00am-9:30am	Breakfast		
	9:30am-11.00am	Session 1	Hands On Session on PSOC controller	Ms. Savita Kulkarni and Ms. Snehal Lopes, SFIT
	11:00 am-11.15am	Tea Break		
	11:15am-12:45pm	Session 2	ESP Controller interface	Dr. Joan Gomes, SFIT
	12:45 pm-1:15 pm	Lunch break		
	1:15pm-2.45pm	Session 3	Hands on session on ESP Controller interface	Dr. Joan Gomes, SFIT
	2:45pm-3:00pm	High-Tea		
	3:00pm-4:30pm	Valedictory Function		

ST. FRANCIS INSTITUTE OF TECHNOLOGY
Department of Electronics and Telecommunication Engineering

AICTE-ISTE Approved one week STTP on
EMBEDDED SYSTEMS & INTERNET OF THINGS

Registration Details

Sr. No.	Name	Email ID	Contact	Department	Address	ISTE_Mem _No	<u>Name of the Institute</u>	<u>Sign</u>
1.	Subhasini shukla	subhasinid@sjcet.co.in	8652518267	Electronics &Telecommunication	Acme Amrut, B Wing, Flat no.502, Vaishali nagar, Dahisar East, Mumbai 400068	LM 116540	St. John College of Engineering & Management, Palghar	
2.	Prajakta rokde	patil.prajakta39@gmail.com	8087853290	Electronics and Telecommunicat	C-102/2, Amit Nagar, Yari road , Versova, Andheri West, Mumbai 400061	AM-500409	Rajiv Gandhi institute of technology	
3.	Mrs. Jyoti n jadhav	jnjadhav5@gmail.com	9420493151	Computer Science & Engineering	821/2/5, Plot No 3,Saibaba Colony, Karande Mala, Behind Circuit House, Tarabai Park, Kolhapur-416003	LM15189	D.Y Patil College of Engg & Tech, Kolhapur	
4.	Toraskar parth umesh urmila	toraskarparth@gmail.com	9833524819	EXTC	toraskarparth@gmail.com		St. Francis Institute of Technology	

5.	Shilpa chaman	shilpachaman@gmail.com	8454870003	EXTC	Flat no 906, Tower -2 , Challengers Thakur village, Kandivali east		St. Francis Institute of Technology	
6.	Indira joshi	ipj.indira@gmail.com	8652662966	Computer Engineering	502, Sai sudama apt, savarkar nagar, Thane West 400606.		Dilkap College of Engineering	
7.	Garima gurjar	gurjargarima@gmail.com	9769688302	Electrical	5A103 Girikunj CHS New Mhada Goregaon-East	LM 108128	Atharva College of Engineering	
8.	Vincy elizabeth joseph	vincyej@gmail.com	9833780022	Computer Engineering	Mount Poincur Svroad, Borivali West	LM45417	St. Francis Institute of Technology	
9.	Mane saurabh tanaji suchita	saurabhmane167@gmail.com	8898465603	EXTC	A/6, BEST Officers Qtrs., Pramod Tanna Marg, Near Bus Depot, Kandivali (E.), 400101		St. Francis Institute of Technology	
10.	Kasar shruti ajit akshali	kasarshruti98@gmail.com	7387571293	EXTC	kasarshruti98@gmail.com		St. Francis Institute of Technology	
11.	Winner George	winnerg@sjcet.co.in	9821072572	EXTC	St. John Technical Education Complex, Village Vevoor, Manor road, Palghar (East) 401404	LM117519	St. John College of Engineering and Management	
12.	Er. Manoj s. kavedia	ermanojkavedia.tsec@gmail.com	9324258878	EXTC	Govt shop 12., Kavedia Niwas Murbad Road, Shahad staton Ulhasnar -421001	LM24915	Thadomal shahani engineering collrge	
13.	Mr. Sachin M.	sachins@sjcet.co.in	7507376241	Electronics	At. Post: Kev Tal:		St. John College	

	Sase			&Telecommunication	Vikramgad Dist: Palghar 401403		Of Engineering & Managem	
14.	Nikhita mangaonkar	nikhita.mangaonkar@gmail.com	9987622058	M.C.A	Anusaya,B406,Charkop, Sector 4, Kandivali West	LM 115268	Sardar Patel Institute of Technology	
15.	Nirajsingh yeotikar	yeotikarniraj@gmail.com	9867203660	EXTC	4C, Parijat BARC EMP CHS Ltd., Gorai, Plot no.6, RSC-21, Near Gorai BEST Bus Depot, Borivali(w), Mumbai		Theem College of Engineering	
16.	Mrinmoyee mukherjee	mrinmoyeemukherjee@sfit.ac.in	9324378409	Information Technology	Mrinmoyee Mukherjee, Department of Information Technology, 3rd Floor, SFIT, Mumbai-400103	LM 48940	sfit	
17.	Snehal Julias Lopes	snehallopes@sfit.ac.in	9209171780	EXTC	St. Francis Institute of Technology, Borivali west, Mt. poinsur, S.V.P.road Mumbai 400103	LM 127045	St. Francis Institute of Technology	
18.	Savita Kulkarni	savitakulkarni@sfit.ac.in	8779281732	EXTC	St. Francis Institute of Technology, Borivali west, Mt. poinsur, S.V.P.road Mumbai 400103		St. Francis Institute of Technology	
19.	Amol Patil							
20.								

21.								
22.								
23.								
24.								
25.								

AICTE-ISTE Approved one week STTP on “Embedded Systems & Internet of Things”

Organized by Department of Electronics & Telecommunication Engineering, SFIT on
17th -21st June, 2019

REPORT

Electronics and Telecommunication Engineering Department, had organized one week STTP on “Embedded Systems & Internet of Things” during 17-21 June, 2019. The objectives of this STTP was to provide the knowledge on IoT from an overview to in depth hands-on for designing IoT based application/small project to solve real time problems as well as to make participants familiar and proficient with the hardware and software used to make IoT based application. Also to demonstrate various embedded & IoT applications with hands-on training.

Inauguration of this STTP were commence with Prayer and Light Lamping. In this inauguration, all the HoDs, faculties were present along with participants.



Photo during Inaugural Function

Dr Gautam Shah, Head of EXTC SFIT gave opening remarks, briefed about the course contents & objective of the training program

First Day: Chief Guest and keynote speaker Dr. Maryam Shojaei Baghini, Professor in the department of Electrical Engineering at IIT, Bombay, delivered keynote address & gave introduction about Embedded Systems & Internet of Things. On the same day Mr. Gopalkrishnan Narayanan, Assistant Professor in the department of Instrumentation at Vivekananda Institute of Technology, chembur gave introduction about IoT, its architecture, application and which device to use for creating IoT enabled embedded system. He also gave brief about embedded system. He also discussed about Communication Protocols in IOT. As well as he gave brief overview of IOT Design Methodology



Key note address by Dr.Mariyam, IITB



Expert talk by Mr. Gopalkrishnan Narayanan

Second Day: Prof. (Dr.) V.S. Deshpande, Professor at Vishwakarma Institute of Technology, Pune delivered session on Quality of service and Design Challenges in IOT' and 'Research problem statements in IOT'. He discussed about Internet of Things, Wireless Sensor Networks, Quality of Service, Design Issues and solutions, Hardware Implementation, Future Research Scope. On the same day, **Dr. Prasad Joshi**, D.J. Sanghvi College of Engineering, Vile Parle (W), Mumbai delivered session on Recent Trends and Research areas in Embedded Systems. His topic for the session was Introduction to Embedded Systems, Embedded Architectures, Debug and Development tools, Web Resources for Embedded. Next session was engaged by **Dr. Dayanand Ambawade** from Sardar Patel Institute of Technology, Andheri he talked about Cyber Security in IOT. He covered following topics Introduction to IoT, Cyber Attacks and Cyber Security, The IoT Security Challenges, The IoT Security Requirements, Open Source Software (OSS) & Open Source Security Tools, Building Security using Open Source Tool.

Third & Fourth Day: Mr. Mukesh Chaudhary from Prakotechnocrat Company conducted hands on session on Raspberry pi .He gave information about when the Raspberry Pi would be suitable to use for IoT Applications. During hands-on session participants performed interfacing programs in Raspberry Pi with various hardware such as LEDs and switches, motors. In addition, he delivered session on MQTT protocol in Python , also explained different graphical interface elements for controlling LED, MOTOR through python language. He also covered hands on in google assistance.



Expert talk by **V.S. Deshpande**, Professor at VIT Pune

Lab sessions by **Mr. Mukesh Chaudhary** from Prakotechnocrat



Expert Talk by **Dr. Prasad Joshi**, D.J. Sanghvi College of Engineering

Expert talk by **Dr. Dayanand Ambawade** from SPIT

Fifth Day: Ms. Savita Kulkarni & Ms. Snehal Lopes From St. Francis Institute of Technology, Borivali (W), conducted Hands on Session on PSOC Controller and **Dr. Joanne Gomes** from St. Francis Institute of Technology, Borivali (W), delivered hands on session on ESP8266 WIFI Transceiver for IOT.



Expert Talk by Dr Joanne Gomes



Hands on session by Ms Savita kulkarni & Ms Snehal Lopes

The Valedictory function was organized to felicitate participants on successful completion of one week training program on “Embedded Systems & Internet of Things” and Training Completion Certificates were presented to the participants.



Group Photo of participants - During Valedictory Function

Patron: Bro. Jose Thuruthiyil (Director, SFIT) and Dr. Sincy George (Principal, SFIT)

Convener: Dr. Gautam Shah-Professor, Head of the Department (EXTC), SFIT

Coordinator: Ms. Snehal Lopes (Assistant Professor, SFIT) and Ms. Savita Kulkarni (Assistant Professor, SFIT)

Organizing Committee:, Mr. Kevin D’Souza ,Mr. Swapnil Chilap ,Mr. Alister D’souza ,Ms. Valentina Rani ,Ms. Olinda Braganza ,Ms. Swetta Pereira ,Ms.Pratiksha Deshmukh

Report prepared by Ms Savita Kulkarni & Ms Snehal Lopes
Coordinator, STTP



ST. FRANCIS INSTITUTE OF TECHNOLOGY

Mount Painsur, Borivli (West), Mumbai-400103

Department of Mechanical Engineering

25th June, 2019

Report on “Workshop: Faculty Training on Solidworks2019 ”

- Workshop – Solidworks Software
- Resource Person - Mr. Piyush Dhuri
(Executive Application Engineer)
Addonix Technological Pvt Ltd.
- Duration – 10th June- 14th June, 2019
- Time - 10.00 am- 5.00 pm
- Venue – EXTC Lab (Room no: 502)
- No. of Registered Faculty Members: 10

A. Details:

Mechanical Engineering Department had organized a workshop for the faculty members of all departments.

Schedule of Workshop:-

Day	Product	Schedule Date	Session	Instructor	Status	Venue
1	SolidWorks Essential	10-06-2019	10:00 am – 5:00 pm	Mr. Tushar	Completed	EXTC Lab (Room no: 502)
2	SolidWorks Part Modeling	11-06-2019	10:00 am – 5:00 pm	Mr. Piyush	Completed	
3	SolidWorks Drawing	12-06-2019	10:00 am – 5:00 pm	Mr. Piyush	Completed	
4	SolidWorks Assembly Modeling	13-06-2019	10:00 am – 5:00 pm	Mr. Piyush	Completed	
5	SolidWorks Simulation	14-06-2019	10:00 am – 5:00 pm	Mr. Piyush	Completed	

The workshop focused on the following key points:

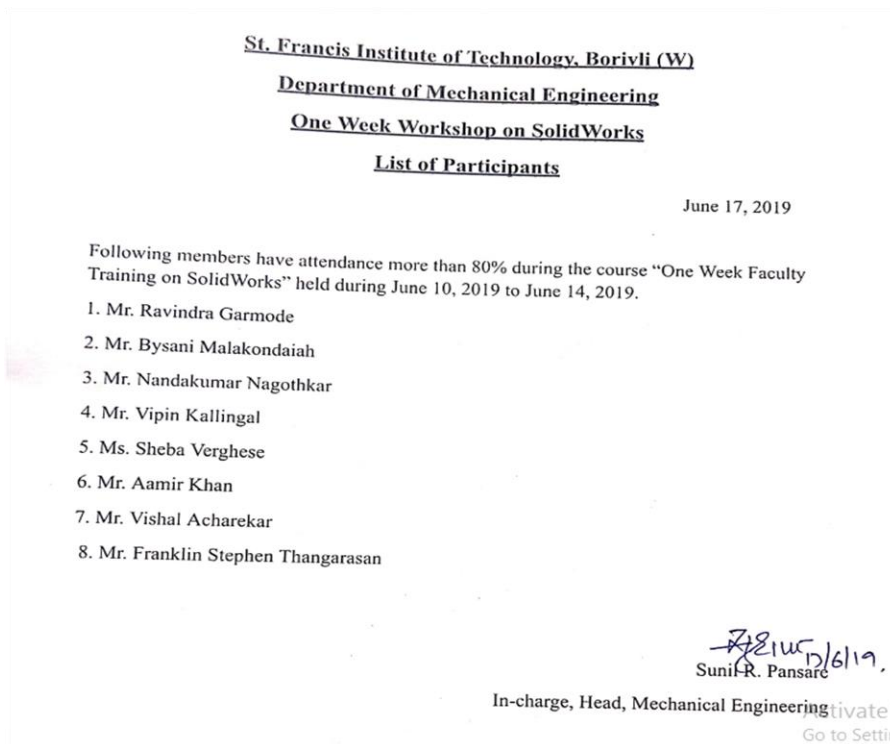
- The course aims to give the essentials of SOLIDWORKS software.
- Course focuses upon Solid works software for the creation of both parts and assemblies along with drafting.
- Apply dimensioning and tolerancing techniques in order to complete technical drawings.
- Analyse and apply the latest standards, symbols and rules for dimensioning and tolerancing to detailed and assembly drawings.

B. Images of the Session:

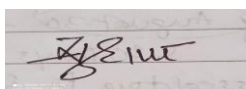




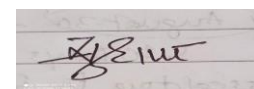
C. List of Participants



D. Certificate



Mr. Sunil Pansare
(Co-ordinator)



Mr. Sunil Pansare
(I/C HOD)

St. Francis Institute of Technology Borivali Mumbai
Basic Science and Humanities

Report on FIP -2018

Academic Year 2018-2019

Date 19th July 2018 to 21st July 2018

Venue: Room No. 105

Report on Faculty Induction Programme (FIP 2018)

Faculty Induction Programme began on Thursday, 19 July, 2018 with the Inaugural function where Director Bro Jose Thuruthiyil gave the key note address.

This was followed by the sessions of the day, the first session was on "Institute's Vision/Mission, Governance, Statutory & Regulatory bodies and ISO 9001-2015 awareness" conducted by Mr. Francis D'souza in which he highlighted on the requirements needed for ISO certification along with an explanation of quality policy .

The second session was on "Creating the positive Conducive environment for the learner" delivered by Mr. Paul Fernandez wherein sir guided the participants to be self-motivated and to be an inspiring teacher.

The last session for the day was on "Pre -microteaching session " conducted by Ms. Preethi Colaco where the participants were familiarised with the methods and skills of teaching.

On Day 2, we began with a session on Accreditation and Quality Assurance by Dr. Deepak Jayaswal. The participants were introduced to aspects that helped them know more about SFIT and challenges in achieving an accreditation.

Our Principal, Dr. Sincy George, conducted the second session. The participants were acquainted to concepts of programme outcomes and course outcomes.

The third session by Dr. C. Hariprasad, introduced the participants to the course file and its various elements highlighting importance of session plan and teaching learning process.

The concluding session of the day was on "Testing, Assessment and Evaluation" by Ms. Rekha Ajikumar

Third day began with the session "Real mechanics of teaching" where Dr. Gautum Shah and Mr. M. K. Bysani shared their real life experiences of teaching.

Ms. Preethi Colaco conducted the post micro teaching session. Feedback provided from the resource person, the session judges-Mr. Sunil Pansare, Dr. Poonam Hemnani, Dr. Sincy George and also their peers helped the participants to enhance their skills.

Teaching is science and it is an art also", through this Programme we have touched upon three major aspects:

1. How to motivate students and become a inspiring teacher
2. How to keep a record and maintain a document for further reference.
3. How to enhance the skills of teaching through the practical approach.

The programme concluded with the valedictory function.

Rekha
23/07/2018

FIP - 18 Participant

Attendance for Day 1		FACULTY INDUCTION PROGRAMME 2018				Thursday, 19th
July 2018						
Sr. No	Name	Branch / Department	Contact Number	Session 1	Session 2	Session 3
1	Ms. Monica Pal	INF	9820612589/ 9405807988	<i>MPal</i>	<i>MPal</i>	<i>MPal</i>
2	Ms. Gauree Jagushte	FE	9224883950	<i>Jagushte</i>	<i>Jagushte</i>	<i>Jagushte</i>
3	Ms. Asma Hazir	FE	9819737354	<i>Asma</i>	<i>Asma</i>	<i>Asma</i>
4	Mr. Praveen Mathew	FE	9447782360/ 8075084320	<i>Praveen</i>	<i>Praveen</i>	<i>Praveen</i>
5	Mr. Tulshiram Kudale	FE	9175142317	<i>Kudale</i>	<i>Kudale</i>	<i>Kudale</i>
6	Ms. Sheba Grace Varghese	FE	9152636248	<i>Sheba</i>	<i>Sheba</i>	<i>Sheba</i>
7	Mr. Nandakumar Nagothkar	FE	7276199336/ 9561918899	<i>Nagothkar</i>	<i>Nagothkar</i>	<i>Nagothkar</i>
8	Ms. Nidhi Tiwari	FE	8793010537	<i>Tiwari</i>	<i>Tiwari</i>	<i>Tiwari</i>
9	Ms. Megha Fernandes	FE	9224286214	<i>Mf</i>	<i>Mf</i>	<i>Mf</i>
10	Mr. Alister Dsouza	EXTC	9769236750	<i>Alister</i>	<i>Alister</i>	<i>Alister</i>
11	Ms. Stephina D'Souza	ME-CMPN	9930528780/ 9930835347	<i>SD'souza</i>	<i>SD'souza</i>	<i>SD'souza</i>
12	Ms. Micheile Alva	ME-CMPN	7208164136/ 9029082992	<i>MAlva</i>	<i>MAlva</i>	<i>MAlva</i>
13	Ms. Ketki Naik	ME-EXTC	9867782917/ 9987750356			

FIP Schedule

19 July 2018 to 21 July 2018						
DAY	DATE	9:30 – 10:00	SESSION I 10:15 – 11:45	SESSION II 11:45 – 12:45	SESSION III 1:45 – 2:45	SESSION IV 3:00 – 4:00
1	19 July, Thursday	Inauguration	Institute's Vision/Mission, Governance, Statutory & Regulatory bodies and ISO 9001:2015 awareness. (Mr. Francis Dsouza)	Creating the positive/Conducive Environment for the Learner (Mr. Paul Fernandes)	Micro-Teaching (Pre) (Ms. Preethi Colaco)	
2	20 July, Friday	SESSION I 9:15 – 10:45	SESSION II 11.00 - 12.30		SESSION III 1:30 – 2:30	SESSION IV 2:45– 4:00
		Accreditation Process For Educational Quality Assurance (Dr. Deepak Jayswal)	CO – PO Mapping (Dr. Sincy George)		Teaching Learning Process And Coursefile (Dr.C. Hariprasad)	Testing, Assessment and Evaluation (Ms. Rekha Ajikumar)
3	21 July, Saturday	SESSION I 9:15 – 10:45	SESSION II 11.00 – 2:15		2:30 P.M.	
		Real Mechanics Of Teaching (Mr. Bysani M. & Dr. Gautam Shah)	Micro-Teaching (Post) (Ms. Preethi Colaco)		Valedictory Function	

2017-18

Attendance Sheet for Date : 2017-08-20
Foundation Program in ICT for Education

August 3rd, 2017 to September 7th, 2017

Under the National Mission on Education through ICT, MHRD, New Delhi
1067 - St. Francis Institute of Technology, Borivali, Mumbai

Participant			Signature			
S No	Participant ID	Name	Session 1	Session 2	Session 3	Session 4
1	163610	Arti Deshpande	<i>Arti</i>	<i>Arti</i>	<i>Arti</i>	<i>Arti</i>
2	163832	Sneha Jadhav	<i>Sneha Jadhav</i>	<i>Sneha Jadhav</i>	<i>Sneha Jadhav</i>	<i>Sneha Jadhav</i>
3	164025	Ravindra K. Garmode	AB	AB	AB	AB
4	164055	Preethi Fiona Colaco	<i>Preethi</i>	<i>Preethi</i>	<i>Preethi</i>	<i>Preethi</i>
5	164467	Snehal Kulkarni	<i>Snehal</i>	<i>Snehal</i>	<i>Snehal</i>	<i>Snehal</i>
6	164482	Jayashri Mittal	<i>Jayashri</i>	<i>Jayashri</i>	<i>Jayashri</i>	<i>Jayashri</i>
7	164497	Pradhnya Pradhan	<i>Pradhnya</i>	<i>Pradhnya</i>	<i>Pradhnya</i>	<i>Pradhnya</i>
8	164569	Dakshata Panchal	AB	AB	AB	AB
9	164636	Mohammad Faiz Ansari	<i>Mohammad</i>	<i>Mohammad</i>	<i>Mohammad</i>	<i>Mohammad</i>
10	164652	Vandana Patil	AB	AB	AB	AB
11	164734	Rupesh Mishra	<i>Rupesh</i>	<i>Rupesh</i>	<i>Rupesh</i>	<i>Rupesh</i>
12	164739	Varsha Shrivastava	<i>Varsha</i>	<i>Varsha</i>	<i>Varsha</i>	<i>Varsha</i>
13	164744	Vaishali Jadhav	<i>Vaishali</i>	<i>Vaishali</i>	<i>Vaishali</i>	<i>Vaishali</i>
14	164776	Sridari Iyer	<i>Sridari</i>	<i>Sridari</i>	<i>Sridari</i>	<i>Sridari</i>
15	164790	Pradnya Rane	<i>Pradnya</i>	<i>Pradnya</i>	<i>Pradnya</i>	<i>Pradnya</i>
16	164972	Rajkumar Shende	<i>Rajkumar</i>	<i>Rajkumar</i>	<i>Rajkumar</i>	<i>Rajkumar</i>
17	166061	Beatrice Lobo	<i>Beatrice</i>	<i>Beatrice</i>	<i>Beatrice</i>	<i>Beatrice</i>
18	166405	Shree Jaswal	<i>Shree</i>	<i>Shree</i>	<i>Shree</i>	<i>Shree</i>
19	167327	Jovita Serrao	<i>Jovita</i>	<i>Jovita</i>	<i>Jovita</i>	<i>Jovita</i>
20	167348	Monika Cheema	<i>Monika</i>	<i>Monika</i>	<i>Monika</i>	<i>Monika</i>
21	167582	Hemant Khanolkar	AB	AB	AB	AB
22	167639	Shamsuddin Khan	<i>Shamsuddin</i>	<i>Shamsuddin</i>	<i>Shamsuddin</i>	<i>Shamsuddin</i>

2017-08-20

*(Sayan. Karmalade
W.C RCIO 1067)*

*Yash
Dr. Uday Kumar
RCIO - 1067
RC*

cNui4ho9XZ

23	167940	Deepa Wilfred Panakkal	Alia	Alia	Alia	Alia
24	168469	Sunil Pansare	AB	AB	AB	AB
25	169597	Nilesh Deshpande	Alia	Alia	Alia	Alia
26	169876	Namrata Mankad	Namrata	Namrata	Namrata	Namrata

(Signature)
 (Smt. Namrata Mankad
 (WC - RC ID 1067)).

(Signature)
 (Dr. Uday Kantilal Kholi)
 RCC
 RC ID - 1067

Who Should Attend

As this FDP is not subject-specific, teaching faculty from any domain, including faculty from management, polytechnics, science, arts and commerce can participate. Teachers registered in a Masters or a PhD program, during their employment as a teacher, can also participate. Additionally, participants should have basic familiarity with computer. Participants, who have not certified in the earlier FDP (2016), are eligible to participate in the FDP.

Duration and Venue

This Two-week FDP consists of two components as follows:

1. **Online work by individual participants:** Each participant is expected to access the online platform, using a PC at home or office, on any convenient day and time during the week, with an online test every week. Each participant has to spend 6 to 8 hours of efforts per week during this component of the FDP. This is equivalent to one day of work in a regular FDP. This activity will be spread over 5 calendar weeks: From Thursday 03 August to 07 September 2017.

2. **Face-to-Face interaction:** Participants will have to physically attend these sessions at their chosen or designated Remote Centres (RCs), established across the country by IIT Bombay. Focused interactive sessions with the participating teachers, will be conducted by the faculty from IIT Bombay. The discussions and local tutorial sessions will be moderated by the Workshop Coordinators appointed at each RC. This activity will be conducted on the weekend of 19, 20 August 2017.

Teaching Faculty

Prof. Deepak B. Phatak, Dept of CSE, IIT B
Prof. Kannan Moudgalya, Dept of Chem Engg, IIT B
Prof. U. V. Bhandarkar, Dept of Mech. Engg, IIT B
Prof. P. Sunthar, Dept of Chem Engg, IIT B
Dr. Sameer Sahasrabudhe, Dept of CSE, IIT B
Mr. Jayakrishnan M. IDP in ET, IIT B

Course Fee

Funding support from Ministry of Human Resource Development (MHRD) permits us to offer the FDP without any course fees. Participants have to take care of their expenses for travel/food during the A-VIEW interaction at Remote Centres.

Additional benefits

It has been decided that 250 top performing participants, will be identified based on the assessment criteria of both the FDPs. Further, they will also be offered an opportunity to participate as associate faculty (with an appropriate honorarium, of course), for conducting these FDPs in future.

Accommodation: Not Applicable

How to Apply

If you wish to attend this course, you should register online. The online registration has started from **Friday 7 July 2017. The last date of online registration is Wednesday 02 August 2017.**

The URL for registration is
<http://www.it.iitb.ac.in/nmeic/announcements.html>

The registration for FDP201x - "Pedagogy for Online and Blended Teaching-Learning Process" will be limited to participants, who successfully complete the FDP101x.

Address for communication:

Dr. Kalpana Kannan
Sr. Project Manager,
Department of CSE, Kanwal Rekhi Building,
Indian Institute of Technology Bombay,
Mumbai - 400 076
Tel.: +91-22-2576 4989
Fax: +91-22-2572 0022
Email: eoutreach@it.iitb.ac.in

Remote Center (Code : 1316)

Dronacharya College of Engineering
Plot No.27, Knowledge Park-3
Greater Noida (U.P.). Ph.0120-2322022

Two-Week AICTE approved FDP

Under the aegis of Pandit Madan Mohan
Malaviya National Mission for Teachers and
Teaching (PMMMNMTT)
on

"Foundation Program in ICT for Education"

(This FDP will be offered in a blended/Hybrid mode)

03 August to 07 September 2017

Conducted by

IIT Bombay



Course Coordinator

Professor Deepak B. Phatak
Department of Computer Science & Engineering

Indian Institute of Technology Bombay
Mumbai – 400076

Introduction (FDP101x)

IIT Bombay has been involved with distance synchronous education, since year 2000. We have trained over 1,36,000 teachers, in partnership with IIT Kharagpur, under the T10KT (Train 10 Thousand Teachers at a time) project sponsored by NMEICT. All training workshops so far, were on specific subjects of Engineering and Science Education, most of which are taught as core courses in our colleges and universities. The participating teachers have benefitted from these programs.

Online educational methodology, and flipped-classrooms with associated pedagogy of active learning, have quickly emerged as the mainstay of effective education in this century. However, most of our teachers lack skills and competencies for proper and effective use of ICT in education. It is thus an urgent national requirement that all our teachers, at least those teaching in our professional colleges, are empowered to use technology effectively, to enhance the quality of education.

To meet this requirement, IIT Bombay has specially designed a Faculty Development Program (FDP) on "Use of ICT in Education for Online and Blended Learning". A pilot implementation of this course was done during May-July, 2016. A total of 2193 participants had successfully completed this workshop and had obtained the certificate. The FDP was a single course then having a longer duration.

Based on the inputs of the participants and course team, this year the course is being offered as a two-part FDP so as to focus on Technology and Pedagogy respectively. These FDPs are conducted under the aegis of Pandit Madan Mohan Malaviya National Mission for Teachers and Teaching (PMMMNMTT). The first course under this FDP, with a focus on technology, is titled "Foundation Program in ICT for Education" and is designed as a Blended/Hybrid MOOC (Massive Open Online Course) – FDP101x. There will be one weekend face-to-face sessions at the Remote Centres. The course will be offered from 03 August to 07 September 2017.

The second part of this FDP is scheduled from 14 September to 12 October 2017 and has been explained separately.

Learning Objectives for the Course

After successful completion of the course, participants will be able to:

- i. Identify various ICT devices and applications useful in teaching-learning
- ii. Develop awareness towards ethical practices for use of ICT in education
- iii. Make use of best practices for information dissemination using ICT

Course Content

1. Information Capture, Storage, and Display

- Subsystems of Computer Devices for Capture
 - Keyboard, Monitor, Printer, Webcams, Mouse, Hard disks
 - Tablets and Smart Phones Servers,
 - Cloud, Storage Farms, CD/DVD, Pen Drive
- Effective Storage and Display
 - Directory Organization and File Handling
 - Dealing with Multiple Information format
 - Organizing and Searching

2. The World of Internet and Web

- Essentials
 - Basics of Connectivity, LANs and WANs, Wireless and Bluetooth
 - Organization of Web, IP Address, Domain Names, DNS Servers
 - Browsers and Plug-ins
- Effective Exploration of Web
 - Searching Techniques
 - Best Practices for Exploration

3. Use of ICT for Resource Creation and Management

- Digital Content Creation using common productivity tools
 - Document Editors

- Presentation Software
- Spreadsheets

- Audio-Video Resource Creation: Spoken Tutorial Methodology
- Content Management Systems
- Learning Management Systems

4. Best Practices for Information Dissemination with ICT

- Best Practices for Visual Communication
- Best Practices for Online Collaboration
 - ICT as a facilitator for academic ethics and Integrity
 - Creative Commons Licensing
 - Netiquettes for effective email communication
 - Practices for engaging in a healthy online discussion
- Facilitating collaborative resource creation and evaluation for online usage

Criteria for Certification

IIT Bombay will award certificates only to those participants who successfully complete prescribed online tests with minimum 50% aggregate score, and meaningfully participate in face-to-face sessions. **AICTE has recognized this as a Two-week FDP.**

Note 1: This FDP is conducted under the T10KT project of IIT Bombay. Live recording of the course and other created content will be released under Open Source, through a portal. All participants are required to sign a No Objection Certificate for such release of content contributed by them during and after the FDP. All contributors will be acknowledged.

Note 2: Since the content is released under Creative Commons, participants have to ensure that they provide accurate citations. All the content generated will undergo check for plagiarism and plagiarism detected will lead to cancellation of registration and serious disciplinary actions.

Report on IIT Bombay Workshop on Foundation Program in ICT for Education

SFIT is recognized as remote center for conducting FDP under IIT Bombay. Under this scheme following program is organized by SFIT.

Topic: Foundation Program in ICT for Education

This was a Two-week FDP workshop consists of two components as follows:

1. **Online work by individual participants**, Where participants through online activity completed the assignments and task and also online test were given by the. This is equivalent to one day of work in a regular FDP. This activity will be spread over 5 calendar weeks: From Thursday 03 August to 07 September 2017.
2. **Face-to-Face interaction** on 19th August and 20th August 2017, Participants had physically attended these sessions at our Remote Centre (RC-1067).The discussions and local tutorial sessions was moderated by me as a Workshop Coordinator.

Learning Objectives for the Course:

Participants are now able to:

- i. Identify various ICT devices and applications useful in teaching-learning
- ii. Develop awareness towards ethical practices for use of ICT in education
- iii. Make use of best practices for information dissemination using ICT

Participants Details:

Total 21 participants participated and successfully completed their workshop with more than 50% Score and 100% attendance. Out of these 21 participants 2 participants were from external college. All these 21 participants were eligible for the next FDP 2 Workshop as they cleared the first one.

Attendance Sheet for Date : 2017-09-17

Pedagogy for Online and Blended Teaching-Learning Process

September 14th, 2017 to October 12th, 2017

Under the National Mission on Education through ICT, MHRD, New Delhi

1067 - St. Francis Institute of Technology, Borivali, Mumbai

Participant			Signature			
S No	Participant ID	Name	Session 1	Session 2	Session 3	Session 4
1	171256	Arti Deshpande				
2	171429	Sneha Jadhav				
3	171598	Preethi Fiona Colaco	AB	AB	AB	AB
4	171879	Snehal Kulkarni	AB	AB	AB	AB
5	171888	Jayashri Mittal	AB	AB	AB	AB
6	171899	Pradhnya Pradhan				
7	172006	Mohammad Faiz Ansari				
8	172077	Rupesh Mishra	AB	AB	AB	AB
9	172081	Varsha Shrivastava	AB	AB	AB	AB
10	172085	Vaishali Jadhav				
11	172109	Sridari Iyer	AB	AB	AB	AB
12	172119	Pradnya Rane				
13	172249	Rajkumar Shende				
14	172956	Beatrice Lobo	AB	AB	AB	AB
15	173174	Shree Jaswal	AB	AB	AB	AB
16	173810	Jovita Serrao	AB	AB	AB	AB
17	173821	Monika Cheema	AB	AB	AB	AB
18	174050	Shamsuddin Khan				
19	174271	Deepa Wilfred Panakkal	AB	AB	AB	AB
20	175307	Nilesh Deshpande				
21	175463	Namrata Mankad	AB	AB	AB	AB

RCID 1067

2017-09-17 workshop co-ordinator

17/09/17
(Sagar Hemalaxi)

RCID 1067

Remote center co-ordinator
KTLCSIMX19

17/09/17
(Arundhanti Khot)

Who Should Attend

Participants who have successfully completed the FDP101x are eligible to attend this FDP.

Duration and Venue

This Two week FDP consists of three components as follows:

- 1. Online work by individual participants:** Each participant is expected to access the online platform, using a PC at home or office, on any convenient day and time during the week, with an online test every week. Each participant has to spend 6 to 8 hours of efforts per week during this component of the FDP. This is equivalent to one day of work in a regular FDP. This activity will be spread over 5 calendar weeks: From Thursday 14 September 2017 to Thursday 12 October 2017.
- 2. Face-to-Face interaction:** Participants will have to physically attend these sessions at their chosen or designated Remote Centres (RCs), established across the country by IIT Bombay. Focused interactive sessions with the participating teachers, will be conducted by the faculty from IIT Bombay. The discussions and local tutorial sessions will be moderated by the Workshop Coordinators appointed at each RC. This activity will be conducted on the weekends of: 16 & 17 September 2017 and 7, 8 October 2017.
- 3. Team Assignment:** Teams of 3 to 5 members will be formed from amongst the participants at each RC. Each team is required to create and review the assignment, and submit the same online. Here again, each participant has to spend adequate effort, albeit in a coordinated manner with other members of the team.

Teaching Faculty

Prof. Sridhar Iyer, IDP in ET, IIT Bombay
Prof. Sahana Murthy, IDP in ET, IIT Bombay
Mr. Jayakrishnan M., IDP in ET, IIT Bombay
Dr. Sameer Sahasrabudhe, Dept of CSE, IIT Bombay
Prof. Deepak B. Phatak, Dept. of CSE, IIT Bombay

Course Fee

Funding support from Ministry of Human Resource Development (MHRD) permits us to offer the FDP without any course fees. Participants have to take care of their expenses for travel/food during the A-VIEW interaction at Remote Centres.

Additional benefits

It has been decided that 250 top performing participants, will be identified based on the assessment criteria of both the FDPs. Further, they will also be offered an opportunity to participate as associate faculty (with an appropriate honorarium, of course), for conducting these FDPs in future.

Accommodation: Not Applicable

How to Apply

This FDP will only be limited to those participants who qualify in FDP101x. These participants will be directly enrolled to FDP201x.

The URL to see details is

<http://www.it.iitb.ac.in/nmeict/announcements.html>

Address for communication:

Dr. Kalpana Kannan
Sr. Project Manager,
Department of CSE, Kanwal Rekhi Building,
Indian Institute of Technology Bombay,
Mumbai - 400 076.
Tel: +91-22-2576 4089
Fax: +91-22-2572 0022
Email: eoutreach@it.iitb.ac.in

Remote Center (Code:1316)

Dronacharya College of Engineering
Plot No.27, Knowledge Park-3
Greater Noida (U.P.)
Ph.0120-2322022

Two-Week AICTE approved FDP

Under the aegis of Pandit Madan Mohan
Malaviya National Mission for Teachers and
Teaching (PMMMNMTT)

on

"Pedagogy for Online and Blended Teaching-Learning Process"

(This FDP will be offered in a blended/Hybrid
mode)

14 September to 12 October 2017

Conducted by

IIT Bombay



Course Coordinator

Professor Deepak B. Phatak
Department of Computer Science & Engineering

Indian Institute of Technology Bombay
Mumbai - 400076

Introduction (FDP201x)

IIT Bombay has been involved with distance synchronous education, since year 2000. We have trained over 1,38,000 teachers, in partnership with IIT Kharagpur, under the T10KT (Train 10 Thousand Teachers at a time) project sponsored by NMEICT. All training workshops so far, were on specific subjects of Engineering and Science Education, most of which are taught as core courses in our colleges and universities. The participating faculty has benefitted from these programs.

Online educational methodology, and flipped-classrooms with associated pedagogy of active learning, have quickly emerged as the mainstay of effective education in this century. However, most of our teachers lack skills and competencies for proper and effective use of ICT in education. It is thus an urgent national requirement that all our teachers, at least those teaching in our professional colleges, are empowered to use technology effectively, to enhance the quality of education.

To meet this requirement, IIT Bombay has specially designed a Faculty Development Program (FDP) on "Use of ICT in Education for Online and Blended Learning". A pilot implementation of this course was done during May-July, 2016. A total of 2193 participants had successfully completed this workshop and had obtained the certificate. The FDP was a single course then having a longer duration.

Based on the inputs of the participants and course team, this year the course is being offered as a two-part FDP so as to focus on both the Technology and Pedagogy. These FDPs are conducted under the aegis of Pandit Madan Mohan Malaviya National Mission for Teachers and Teaching (PMMMNMTT). The second course under this FDP, with a focus on pedagogy, is titled "Pedagogy for Online and Blended Teaching-Learning Process" and is designed as a Blended MOOC (Massive Open Online Course) – FDP201x. There will be two weekend face-to-face sessions at the Remote Centres. The course will be offered from 14 September 2017 till 12 October 2017.

The first part of this FDP is scheduled from 03 August to 07 September 2017 and has been explained separately.

Learning Objectives for the Course

After successful completion of the course, participants will be able to:

- i. Integrate active learning in their regular teaching-learning practice
- ii. Create an Open Educational Resource to be used in their classrooms
- iii. Justify the blending of online instruction in their regular teaching-learning practice
- iv. Participate in Collaborative Community involved in Open Education Resource creation and dissemination

Course Content Modules

1. Effective Blended/Hybrid Education

- Using available online resources in regular classroom
- Pedagogy of Active Learning
 - Think-Pair-Share
 - Peer Instruction
 - Collaborative Problem Solving
- Flipped Classroom

2. Online Courses

- Designing and Developing a MOOC
- Conducting a MOOC
- Effective Use of Discussion Forum
- Methods of Online Assessment
- Exposure to various MOOC platforms

3. Adopting Online/Blended Education in Teaching-Learning Process

- Using available autonomy
 - Implementing Flipped Classrooms
 - Recognition of Grades and Credits through MOOCs
 - Factoring in marks of online assessment in regular courses

- Using "Assessment for Learning" while blending instruction
 - Rubrics: Facilitating Local Assessments, Evaluation Reports and Presentations
 - What, why and How of Peer Assessment

4. Building and Nurturing Collaborative Communities

- Open Educational Resources (OERs)
- Lessons from Open Source Community – Evolving Leaders and Mentors
- Creating and using an OER
 - Crowdsourcing methods
 - Quality Assurance
 - Implementing OER in your classroom
- Participation in Sectoral Communities

Criteria for Certification

IIT Bombay will award certificates only to those participants who successfully complete prescribed online tests with minimum 50% aggregate score, meaningfully participate in face-to-face sessions, and submit the team assignment. **AICTE has recognized this as a Two-week FDP.**

Note 1: This FDP is conducted under the T10KT project of IIT Bombay. Live recording of the course and other created content will be released under Open Source, through a portal. All participants are required to sign a No Objection Certificate for such release of content contributed by them during and after the FDP. All contributors will be acknowledged.

Note 2: Since the contents are being released under Creative Commons, participants have to ensure that they provide accurate citations. All the content generated will undergo check for plagiarism and plagiarism detected will lead to cancellation of registration and serious disciplinary actions.

FDP in Pedagogy for online and blended Teaching Learning Process

SFIT is recognized as remote center for conducting FDP. Under this scheme SFIT organized the following program.

This was a Two-week FDP workshop consists of two components as follows:

1. **Online work by individual participants:** Where participants through online activity completed the assignments and task and also online test were given by the. This activity will be spread over 5 calendar weeks: From Thursday 14 September 2017 to Thursday 12 October 2017.
2. **Face-to-Face interaction:** This activity was conducted on the weekends of: 16 & 17 September 2017 and 7, 8 October 2017. Participants had physically attended these sessions at our Remote Centre (RC-1067).The discussions and local tutorial sessions were moderated by me as a Workshop Coordinator.
3. **Team Assignment:** Teams of 3 to 5 members was formed from amongst the participants at the RC. Each team was required to create and review the assignment, and submit the same online. Here again, each participant has to spend adequate effort, albeit in a coordinated manner with other members of the team.

Learning Objectives for the Course:

Participants are now able to:

- i. Integrate active learning in their regular teaching learning practice
- ii. Create an Open Educational Resource to be used in their classrooms
- iii. Justify the blending of online instruction in their regular teaching-learning practice
- iv. Participate in Collaborative Community involved in Open Education Resource creation and dissemination

Participants Details:

Total 09 participants participated and successfully completed their workshop. Out of these 09 participants 2 participants were from external college.

DAILY ATTENDANCE IN STTP ON

COMMERCIAL TRENDS IN ANTENNAS & MICROWAVE TECHNOLOGIES: Inclination Towards Start-ups

Sr. No.	Participants	25-6-2018		26-6-2018		27-6-2018		28-6-2018		29-6-2018	
		Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening
1	Ameya Kadam	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK
2	Monika Cheema	MC	MC	MC	MC	MC	MC	MC	MC	MC	MC
3	Pallavi Patil	PPatil	PPatil	PPatil	PPatil	PPatil	PPatil	PPatil	PPatil	PPatil	PPatil
4	Nazahat Balur	Blur	Blur	Blur	Blur	Blur	Blur	Blur	Blur	Blur	Blur
5	Deepthi Sekhar	DS	DS	DS	DS	DS	DS	DS	DS	DS	DS
6	Tanu Sharma	TSharma	TSharma	TSharma	TSharma	TSharma	TSharma	TSharma	TSharma	TSharma	TSharma
7	Supriya Dicholkar	SD	SD	SD	SD	SD	SD	SD	SD	SD	SD
8	Kuldeep Gadhiya	KGadhiya	KGadhiya	KGadhiya	KGadhiya	KGadhiya	KGadhiya	KGadhiya	KGadhiya	KGadhiya	KGadhiya
9	Vishal Patel	VPatel	VPatel	VPatel	VPatel	VPatel	VPatel	VPatel	VPatel	VPatel	VPatel

GS
 Dr. Gautam Shah
 HOD, EXTC Convener CTAM


AP
 Anjali Chaudhari
 Coordinator, CTAM


DAILY ATTENDANCE IN STTP ON

COMMERCIAL TRENDS IN ANTENNAS & MICROWAVE TECHNOLOGIES: Inclination Towards Start-ups

Sr. No.	Participants	25-6-2018		26-6-2018		27-6-2018		28-6-2018		29-6-2018	
		Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening	Morning	Evening
10	Swapnil Chilap	<u>S.C.</u>	<u>S.C.</u>	<u>S.C.</u>	<u>S.C.</u>	<u>S.C.</u>	<u>S.C.</u>	<u>S.C.</u>	<u>S.C.</u>	<u>S.C.</u>	<u>S.C.</u>
11	Jovita Serrao	<u>J.Serrao</u>	<u>J.Serrao</u>	<u>J.Serrao</u>	<u>J.Serrao</u>	<u>J.Serrao</u>	<u>J.Serrao</u>	<u>J.Serrao</u>	<u>J.Serrao</u>	<u>J.Serrao</u>	<u>J.Serrao</u>
12	Pranita Herwade	<u>PH</u>	<u>PH</u>	<u>PH</u>	<u>PH</u>	<u>PH</u>	<u>PH</u>	<u>PH</u>	<u>PH</u>	<u>PH</u>	<u>PH</u>
13	Saish Sawant	<u>S.S</u>	<u>S.S</u>	<u>S.S</u>	<u>S.S</u>	<u>S.S</u>	<u>S.S</u>	<u>S.S</u>	<u>S.S</u>	<u>S.S</u>	<u>S.S</u>
14	Chaitalee Khankal	<u>Chaitalee</u>	<u>Chaitalee</u>	<u>Chaitalee</u>	<u>Chaitalee</u>	<u>Chaitalee</u>	<u>Chaitalee</u>	<u>Chaitalee</u>	<u>Chaitalee</u>	<u>Chaitalee</u>	<u>Chaitalee</u>
15	Krishna Kumar Tripathi	<u>K.K.T</u>	<u>K.K.T</u>	<u>K.K.T</u>	<u>K.K.T</u>	<u>K.K.T</u>	<u>K.K.T</u>	<u>K.K.T</u>	<u>K.K.T</u>	<u>K.K.T</u>	<u>K.K.T</u>

Participants No: 8, - 15 are Non-ISTE participants. No certificates are awarded.


 Dr. Gautam Shah
 HOD, EXT C
 Convener, CTAM


 Ms. Anjali Chaudhari
 Coordinator, CTAM

Patron

Bro. Jose Thuruthiyil – Director, SFIT
Dr. Sincy George – Principal, SFIT

Convener

Dr. Gautam Shah
Head of the Department (EXTC), SFIT

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Ms. Pallavi Patil
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Ms. Ramjee Yadav
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Ms. Afreenzehra Sayed
Ms. Nikita Jain
Mr. Swapnil Chilap
Mr. Sandip Dhende
Ms. Norita D'souza

Supporting Staff

Mr. Kiran Patil
Ms. Meenakshi Surve
Mr. Pradeep Ghadi

For Whom ?

- ✦ Faculty members and Academicians
- ✦ Researchers and Ph.D Scholars
- ✦ Practitioners from Industry

Registration Procedure

Registration Fees:

- ✦ Participants from UGC approved institutions:
Rs. 4000/- (ISTE Members)
Rs. 4500/- (Non ISTE Members)
 - ✦ Participants from Industry / Others: Rs. 4500/-
- Fill the registration form along with Online payment/ NEFT details before 18th June 2018.
Link for registration: <http://www.sfitengg.org>

Account Details for NEFT:

BENEFICIARY NAME:

ST. FRANCIS I.T.I A/C ENGG COLLEGE

BANK NAME: THE CATHOLIC SYRIAN
BANK LTD

A/C NO: 033100479542190001

IFSC CODE: CSBK0000331

BRANCH: BORIVALI

Number of seats is limited to 30 participants.

Important Dates

Registration opens: 11th May 2018
Last day of registration: 18th June 2018

Travel Allowance and Accommodation

No travel allowance and accommodation facility will be provided to the participants. However, on prior request, accommodation may be arranged.



St. Francis Institute of Technology

Department of
**Electronics and Telecommunication
Engineering**

Announces

AICTE-ISTE Approved
One Week

Short Term Training Program

On

**“Commercial Trends in Antennas
and Microwave Technologies:
Inclination towards Start-Ups”**

June 25, 2018

to

June 29, 2018

Mount Painsur, S.V.P. Road,
Borivali (West), Mumbai 400103.
Ph. No. 022-28928585 / 28908585

<http://www.sfitengg.org>
ctamextc@sfitengg.org

About SFIT

St. Francis Institute of Technology was established in 1999 with a view to create Engineering Institute to fulfill the long felt need for an Institute of Excellence in Borivali. SFIT is a Roman Catholic Minority Educational Institute affiliated to the University of Mumbai, approved by AICTE and ISO 9001: 2008 certified and is NBA accredited till June 2019. At SFIT, we offer three UG Programs in the most coveted disciplines namely: Information Technology, Computer Engineering and Electronics & Tele communication engineering as well as Masters and PhD programs in Computer Engineering and Electronics & Telecommunication Engineering.



About the Department of EXTC

Department of EXTC was established in 1999 and currently offers a Bachelor's, Masters and Ph.D degrees. The department consists of highly experienced faculty members well supported by a competent non-teaching support team.

About the Program

As India moves towards 5G based services, the demand for MIMO antennas, miniaturized RF ceramic chip antennas and body-wearable antennas is likely to soar exponentially over the next decade. Designing systems for future technologies therefore requires expertise over software/EDA tools and chip design. Even phased-array antennas and radars relying on them are on the cutting edge of military radar technology. Even though India leads in the number of launched satellites, most of the microwave equipment and antennas in particular are imported. It is imperative to design in India and develop cost effective solutions in order to cater to a large population. On the other hand, at the backend, microwave networks need meticulous planning and spectrum management.

This one week program shall help participants to identify current and future market needs, research trends and emerging applications of Antennas and

RF/Microwave systems. They shall also be exposed to latest EDA tools used for design of RF/Microwave sub-system and antennas.

Objectives

- ✦ To motivate the participants towards initiating their own start-ups in RF/Microwave and antennas.
- ✦ To facilitate the participants with in-depth knowledge and hands-on training on design of contemporary microwave antennae.
- ✦ To bridge the gap between theory and practice through subject and industry experts.

Topics Covered

- ✦ Entrepreneurship in RF/Microwave sector
- ✦ Research opportunities in Antenna Design
- ✦ Metamaterial Applications
- ✦ Body wearable Antennas
- ✦ Design and analysis of UWB Antennas
- ✦ Radio Network Planning and Management

Eminent Speakers

- ✦ Dr. Girish Kumar, IIT Bombay
- ✦ Dr. S. V. Kulkarni, IIT Bombay
- ✦ Dr. Kushal Tuckley, AGV Systems
- ✦ Mr. Chirag Dadia, ATDI
- ✦ Dr. Amit Deshmukh, DJSCOE, Mumbai
- ✦ Dr. S. S. Mande, DBIT, Mumbai
- ✦ Dr. Avinash Vaidya, PCE, Navi Mumbai
- ✦ Dr. Shilpa Kharche, TEC, Navi Mumbai
- ✦ Mr. Pramod Bhawarthe, Research Scholar, SPIT

Report of the STTP/Workshop

AICTE-ISTE approved one-week Short Term Training Program

1. **Date of the STTP:** 25/06/2018 to 29/06/2018
2. **Title of the STTP:** Commercial Trends in antennas and Microwave Technologies: Inclination towards Start-ups
3. **Topic of each session Day wise and Resource person details:**

Monday 25/06/18	9:00am 10:00am	Registration and Breakfast		
	10:00am--12:45pm	Inauguration & key note address Session1	Design of reflectors for EM radiation Dr. Girish Kumar (IIT,Bombay)	
	12:45pm-1:45 pm	Lunch break		
	1:45 pm-3:15pm	Session 2	Fundamentals of patch Antenna (Variable and Constant Method)	Mr. Pramod Bhawarthe, Research Scholar, SPIT
	3:15 pm-3:30pm	Tea break		
	3:30 pm- 5:00 pm	Session 3	Hands-on Session	Mr. Pramod Bhawarthe, Research Scholar, SPIT
Tuesday 26/06/18	9:00am 9:30 am	Breakfast		
	9:30am-11:00am	Session 1	Inset Feed Patch Antenna	Mr. Pramod Bhawarthe, Research Scholar, SPIT
	11:00 am-11:15am	Tea Break		
	11:15 am-1:00pm	Session 2	Probe Feed Patch Antenna	Mr. Pramod Bhawarthe, Research Scholar, SPIT
	1:00 pm-2:00pm	Lunch break		
	2:00 pm-4:00 pm	Session 3	Hands-on Session	Mr. Pramod Bhawarthe, Research Scholar, SPIT
Wednesday 27/06/18	9:00 am 9:30 am	Breakfast		
	9:30 am-11:00 am	Session1		Dr. S. S. Mande (DBIT)
	11:00 am-11.15 am	Tea Break		
	11:15am-12:45pm	Session 2	Mode Theory and Broadband Microstrip Antennas	Dr. Amit Deshmukh (DJSCOE)
	12:45pm-1:45pm	Lunch Break		
	1:45am-3.15pm	Session 3	Broadband Antennas and Monopulse Tracking	Dr. Hemant Kumar (Ph.D., IITB)
	3:15pm-3:30pm	Tea break		
	3:30pm-5.00pm	Session 4	Hands-on Session	Dr. Hemant Kumar (Ph.D., IITB)
Thursday 28/06/18	9:00am 9:30am	Breakfast		
	9:30am-11.00am	Session 1	Computational Electromagnetics and Applications	Dr. S. V. Kulkarni, IITB
	11:00 am-11.15am	Tea Break		
	11:15am-12:45pm	Session 2	UWB Antennas	Dr. Shilpa Kharche (TEC)
	12:45 pm-1:45 pm	Lunch break		
	1:45am-3.15pm	Session 3	Microwave Link Planning and Management	Mr. Chirag Dadia, ATDI
	3:15pm-3:30pm	Tea Break		
	3:30pm-5.00pm	Session 3	RF Spectrum Management	Mr. Chirag Dadia, ATDI
Friday 29/06/18	9:00am-9:30am	Breakfast		
	9:30am-11.00am	Session 1	Market Influence on Microwave Module Design	Dr. Kushal Tuckley AGV Systems

	11:00 am-11.15am	Tea Break		
	11:15am-12:45pm	Session 2	Design of novel high gain antennas	Dr. Avinash Vaidya, PCE
	12:45pm -1:45pm	Lunch break		
	1:45pm-3.15pm	Session 3	Consultancy in the RF/Antenna/Microwave sector	Dr. Avinash Vaidya, PCE
	3:15pm-3:45pm	High-Tea		
	3:45pm-5:00pm	Valedictory Function		

Sr. No.	Resource Persons	Contact Details	Topic
1	Dr. Girish Kumar	Department of Electrical Engineering IIT Bombay, Powai Mumbai 400 076, India Email : gkumar@ee.iitb.ac.in Phone (Internal(O)) : (0091 22) - 2576 7436	Commercial Trends in Antennas and Microwaves
2	Dr. S. V. Kulkarni	Department of Electrical Engineering IIT Bombay, Powai Mumbai 400 076, India Email : svk@ee.iitb.ac.in Phone (O) : (0091 22) - 2576 7430	Computational Electromagnetics for HF Electromagnetics
3	Dr. Kushal Tuckley	AGV Systems Pvt. Ltd., Goregaon (East) Mumbai-400063 kushal@ee.iitb.ac.in Mobile: 9869069155	Design Approaches which made differences in Antennas and Microwave Systems
4	Dr. Amit Deshmukh	D. J. Sanghvi College of Engineering, Vileparle (W), Mumbai-400056 amit.deshmukh@djsece.ac.in Mobile: 9820424746	Design of Microstrip Antennas: Resonant mode perspective
5	Dr. Hemant Kumar	IIT Bombay, Powai Mumbai 400 076, India hemant.antennalab@gmail.com 9833256981	Broadband Antennas and Monopulse Tracking
6	Mr. Chirag Dadia	E-307, Kailash Industrial Complex Hiranandani Link Road, Parksite Vikhroli (West) Mumbai - 400 079, India cdadia@atdi.com Mobile: 9820899933	Microwave Link Planning and Spectrum Management
7	Mr. Pramod Bhawarthe	Padmabhushan Vasantdada Patil Pratisthans College of Engineering, Sion-Chunabhatti, Mumbai-022. ppbhavarthe@gmail.com Mobile: 9930104709	Probe fed and Inset Fed Microstrip Antenna Design using CAD tool
8	Mr. Rahul Khadase	Anjuman-I-Islam's Kalsekar Technical Campus, School of Engineering & Technology New Panvel. rahulbkhadase@gmail.com Mobile:8983624287	Body-Wearable Antennas
9	Ms. Pallavi Malame	Sardar Patel Institute of Technology, Munshi Nagar, Andheri (W), Mumbai-400058 pallavi_malame@spit.ac.in Mobile: 9819832583	Hands on Sessions using CAD tool

2. **Venue of the STTP:** SFIT Campus (Offline)

3. **Duration of the Seminar:** One week (5 Days)

4. **Conducted for:** Students/Research Scholars/Faculties/ Industry experts

5. Objective of the Workshop:

1. To motivate the participants towards initiating their own start-ups in RF/Microwave and antennas.
2. To facilitate the participants with in-depth knowledge and hands-on training on design of contemporary microwave antennae.
3. To bridge the gap between theory and practice through subject and industry experts.

6. Description of the Entire Event

Overview of the session:

As India moves towards 5G based services, the demand for MIMO antennas, miniaturized RF ceramic chip antennas and body-wearable antennas is likely to soar exponentially over the next decade. Designing systems for future technologies therefore requires expertise over software/EDA tools and chip design. Even phased-array antennas and radars relying on them are on the cutting edge of military radar technology. Even though India leads in the number of launched satellites, most of the microwave equipment and antennas in particular are imported. It is imperative to design in India and develop cost effective solutions in order to cater to a large population. On the other hand, at the backend, microwave networks need meticulous planning and spectrum management.

This one week program helped participants to identify current and future market needs, research trends and emerging applications of Antennas and RF/Microwave systems. They shall also be exposed to latest EDA tools used for design of RF/Microwave sub-system and antennas.

7. This one week program shall help participants to identify current and future market needs, research trends and emerging applications of Antennas and Technical Details:

1. Hands on sessions on IE3D, HFSS were included in the event.

Regarding total number of participants:

2. There were around 7 ISTE and 8 Non-ISTE participants.

Overall feedback about the Workshop and about the resource person:

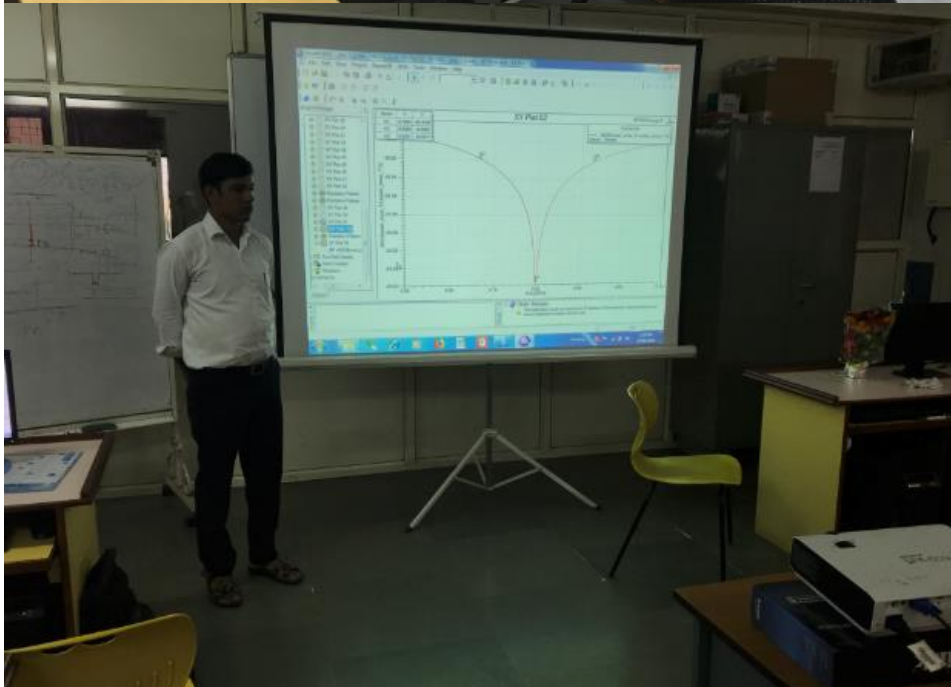
3. All the sessions were very good and informative.

How do the objectives of the seminar meet the requirements?

4. The participants were able to learn about various tools used to design and analyze any antenna at high frequency structure.
5. Mathematical derivations required for the design of a microstrip antenna was also covered.
6. Practical applications, limitations and modification in the design of antennas was

covered.

Photographs of the Workshop:





Participant list with attendance and score details:

Sr. No.	Participant	ISTE Membership No.	Remarks	Attendance	Score
1	Ameya Kadam	LM 43907	-	100	15/20
2	Monika Cheema	LM 67489	-	100	18/20
3	Pallavi Patil	LM 68358	-	100	15/20
4	Nazahat Balur	(Non-ISTE)	Filled Membership Form Attached	100	20/20
5	Deepthi Sekhar	(Non-ISTE)	Filled Membership Form Attached	100	15/20
6	Tanu Sharma	(Non-ISTE)	Filled Membership Form Attached	100	17/20
7	Supriya Dicholkar	(Non-ISTE)	Filled Membership Form Attached	100	15/20

Dr. Gautam Shah
HOD, EXTC
Convener, STTP

Ms. Anjali Chaudhari
Coordinator STTP



St. Francis Institute of Technology
(Permanently Affiliated to University of Mumbai, Approved by AICTE & ISO 9000:2008 Certified)

Department of Information Technology

NBA accredited (1/7/2016- 30/6/2018)

AICTE sponsored STTP on

Analytics Essentials & Tools in Applied Research

27th November 2017 - 8th December 2017



List of Participants

Sr. No.	Participant Name
1.	Ms. Smita Patil
2.	Ms. Samira Nigrel
3.	Mr. Dnyaneshwar Bhabad
4.	Ms. Uma Goradiya
5.	Ms. Jayamalini K.
6.	Ms. Lydia Suganya
7.	Ms. Jyoti Jadhav
8.	Ms. Zainab Pirani
9.	Mr. Saurabh Korgaonkar
10.	Ms. Prachi Godbole
11.	Ms. Linda John
12.	Mr. Ronald Laban
13.	Mr. Sankusu Sharma
14.	Mr. Ajay Sirsat
15.	Ms. Aruna Khubalkar
16.	Ms. Roshni Padate
17.	Ms. Swati Nadkarni
18.	Dr. Vinita Bhatia
19.	Mr. Jestin Johny
20.	Ms. Natika Poddar
21.	Mr. Papinder Nagi
22.	Mr. Prakash Lalwani
23.	Ms. Sulbha Raorane
24.	Ms. Prathibha Sudhakaran
25.	Mr. Sanjiv Borkar
26.	Ms. Amrita Mathur
27.	Ms. Shree Jaswal
28.	Mr. Rajkumar Shende
29.	Mr. Shamsuddin Khan
30.	Mr. Sunil Pansare
31.	Ms. Monika Cheema
32.	Ms. Dakshata Panchal
33.	Ms. Vandana Patil
34.	Ms. Priya Karunakaran
35.	Mr. Vinod Alone
36.	Mr. Chetan Mahajan
37.	Mr. Amol Patil

V. Jadhav
8/12/17

Patron

Bro. Jose Thuruthiyil – Director SFIT
Dr. Sincy George – Principal SFIT

Convener

Dr. Joanne Gomes
Head of the Department (INFT),SFIT

Co-coordinators

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Contact No. 9920485662

Ms. Vandana Patil
Assistant Professor
Email: vandanapatil@sfitengg.org
Contact No. 9321134442

Organizing Team

Ms. Nazneen Ansari	Mr. Bhavesh Pandya
Ms. Nitika Rai	Ms. Sonali Vaidya
Ms. Prachi Raut	Ms. Priyanca Gonsalves
Ms. Minal Lopes	Ms. Elizabeth George
Ms. Shree Jaswal	Ms. Monalisa Lopes
Ms. Grinal Menezes.	Ms. Snehal D'mello
Ms. Amrita Mathur	Ms. Renia Lopes
Mr. Vaibhav Kala	Ms. Lissa Rodrigues
Ms. Mrinmoyee Mukharjee	Ms. Nikita Tiwari
Ms. Alvina Alphonso	Ms. Kiran Isarani
	Ms. Monika Pal

Supporting Staff

Mr. Pundalik Naik Mr. Rajesh Gurav
Ms. Jenet Alphanso Ms. Kalyani Gavnanng
Mr. Gaurav Salvi

Resource Persons

- ✦ Eminent Faculty from IITs and premier institutes
- ✦ Professional Industry Experts

For Whom ?

- ✦ Faculty members and Academicians
- ✦ Researchers and Ph.D Scholars
- ✦ Practitioners from Industry

Registration Procedure

Registration Fees: Rs. 2000/-

All candidates are required to confirm their participation by paying the above amount. The amount will be refunded to the participants after the valedictory function.

Account Details for NEFT:

BENEFICIARY NAME: ST. FRANCIS I.T.I A/C ENGG COLLEGE

BANK NAME: THE CATHOLIC SYRIAN BANK LTD

A/C NO: 033100479542190001

IFSC CODE: CSBK0000331

BRANCH: BORIVALI

Fill the registration form along with transaction ID of NEFT payment before 20th November 2017. Kindly follow this link for registration:

<http://www.sfitengg.org>

Number of seats is limited to 30 participants.

Important Dates

Registration opens: 27th October 2017

Last day of registration: 25th November 2017

Travel Allowance and Accommodation

No travel allowance and accommodation facility will be provided to the participants. However, on prior request, accommodation may be arranged.



St. Francis Institute of Technology

Department of Information Technology

Announces

AICTE Sponsored
Two Week

Seminar
on

“Analytics Essentials and Tools in Applied Research”

**November 27, 2017
to
December 08, 2017**

Mount Poincur, S.V.P. Road,
Borivali (West), Mumbai 400 103.
Ph. No. 022-28928585 / 28908585

<http://www.sfitengg.org>
inft_sttp2017@sfitengg.org

About SFIT

St. Francis Institute of Technology was established in 1999 with a view to create Engineering Institute to fulfill the long felt need for an Institute of Excellence in Borivali. SFIT is a Roman Catholic Minority Educational Institute affiliated to the University of Mumbai, approved by AICTE and ISO 9001: 2008 certified and is NBA accredited till August 2018. At SFIT, we offer three UG Programs in the most coveted disciplines namely: Information Technology, Computer Engineering and Electronics & Tele communication engineering as well as PG and PhD programs in Computer Engineering and Electronics & Telecommunication Engineering.



About the Department of IT

Department of IT was established in 1999 and currently offers a Bachelor's degree in IT (Intake: 120). The department consists of highly experienced faculty

members well supported by a competent non-teaching support team. The department strives to create a conducive environment for transforming the enrolled potential fresher into competent Information Technology professional or entrepreneurs with integrity and ethical value.

About the Program

'Research' plays an important role in today's age. The use of statistical reasoning and methodology is indispensable in modern research oriented world. Much of the advanced research in engineering, information science, biology and genetics relies on the use of statistical or analytical tools. Statistics is the essential branch of mathematics that is not only studied theoretically by advanced mathematicians but also it is used by researchers in many fields to organize, analyze and summarize data.

This two week STTP program tries to improve basic statistical analytics concepts using recent analytics tools such as R and Python programming.

This program will give the participants an in-depth knowledge of statistical analysis and it will help to improve all participants' fluency in analyzing the data statistically. The participants will know how to visualize, analyze and interpret the data to make decisions. All the participants will be trained in interactive way and hence they will be able to solve real-world problems too. This workshop focuses on how statistics as a core binds with programming in analytical world.

Objectives

- ✦ To facilitate the participants with in-depth knowledge of statistical analysis with the help of analytical tools such as R and Python programming.
- ✦ To improve the participant's fluency in analyzing the statistical data.
- ✦ To develop the ability to visualize, analyze and interpret the data while making decisions.
- ✦ To solve real world problems using analytical concepts and tools.

Expected Outcome

After successful completion of this STTP, all the participants will be able to,

- ✦ use statistical tools to analyze data.
- ✦ install and use different libraries/packages from huge number of packages available in R.
- ✦ learn how to clean, visualize and analyze complex data.
- ✦ extract useful patterns from any data provided.
- ✦ learn the popular machine learning techniques for regression, classification as well as for prediction tasks.
- ✦ deal with real-world data problems with higher dimensions and complex relationships.
- ✦ solve the given assignments efficiently by considering the computational runtime along with using statistical tools.

St. Francis Institute of Technology
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Department of Information Technology

NBA accredited (1/7/2016- 30/6/2018)

AICTE sponsored Seminar on

Analytics Essentials & Tools in Applied Research

27th November 2017 - 8th December 2017



Session Report

This two week seminar tried to improve basic statistical analytics concepts using recent analytics tools such as R and Python programming. This program gave the participants an in-depth knowledge of statistical analysis. The participants got to know how to visualize, analyze and interpret the data to make decisions. All the participants were trained in an interactive way which will help them to solve real-world problems in future. This workshop focused on how statistics as a core binds with programming in analytical world.

Inauguration Ceremony

Name of the Delegate & Topics covered	Highlights of the Session
<p>Name: Inauguration</p>	<p>The first day of the AICTE sponsored seminar had a grand opening with learned delegates on the dais and off the dais. The day started with St. Francis Prayer and Sarasvati Vandana, followed by the Lighting of the Lamp. Rev. Bro. Jose presided over the Inauguration Ceremony and gave his motivating remarks to the Department for conducting the seminar in this magnitude. The Chief Guest Dr. Veena Deshmukh was heartily welcomed by the Institute.</p>
<p>Topic(s): Inauguration Ceremony</p>	



Inauguration Ceremony with Chief Guest Dr. Veena Deshmukh, Former Professor SNDTWU



Inauguration Ceremony Audience

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AICTE sponsored Seminar on

Analytics Essentials & Tools in Applied Research

27th November 2017 - 8th December 2017



Day 1: Monday, 27th November 2017

Session 1:

Name of the Delegate & Topics covered	Highlights of the Session
Name: Dr. Veena Deshmukh	
Topic(s): Role of Statistics in Analytics	Dr. Veena Deshmukh's session mainly highlighted about what is analytics, statistics and statistical analysis. While explaining analytics, she spoke about what is big data, types of analytics and steps in analytics. She then explained what is statistics, need and use of statistics along with some examples of application of statistics. After this she gave the definition of statistical analysis and elaborated on descriptive and inferential statistics. Later she discussed various parametric and non-parametric statistical tests. She concluded the session with the concepts of probability distribution.



Dr. Veena Deshmukh taking first session on Role of Statistics



Dr. Veena Deshmukh with participants

St. Francis Institute of Technology

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Department of Information Technology

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AICTE sponsored Seminar on

Analytics Essentials & Tools in Applied Research

27th November 2017 - 8th December 2017



Session 2:

Name of the Delegate & Topics covered	Highlights of the Session
<p>Name: Dr. Madhukar Dalvi</p>	
<p>Topic(s): Statistical Concepts</p>	<p>Dr. Madhukar Dalvi started his session with discussion on what is research and how to do research. He briefly explained the concepts of data mining and analysis. Later he explained what is hypothesis, types of hypothesis, steps for testing hypothesis He then took a brief hands-on session on SPSS tool used for statistical analysis of data.</p>
 <p>Dr. Madhukar Dalvi, Assistant Prof. Khandelwala College, Malad delivering session</p>	 <p>Dr. Madhukar Dalvi with participants</p>

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27th November 2017 - 8th December 2017



Session 3 & 4:

<p>Name of the Delegate & Topics covered</p>	<p>Highlights of the Session</p>																																								
<p>Name: Mr. Santosh Chapneri</p>																																									
<p>Topic(s): Hands On: Statistical Concepts using Jupyter Notebook I</p>	<p>Introduction to Jupyter notebook was given in session 3 by Mr. Santosh Chapneri. In session 4, Python basics were done on Jupyter notebook under the instructions of Mr. Santosh Chapneri</p>																																								
<table border="1"> <thead> <tr> <th>Parameter</th> <th>SAS</th> <th>R</th> <th>Python</th> </tr> </thead> <tbody> <tr> <td>Availability/Cost</td> <td>3</td> <td>5</td> <td>5</td> </tr> <tr> <td>Ease of Learning</td> <td>4.5</td> <td>2.5</td> <td>5.5</td> </tr> <tr> <td>Data Handling Capabilities</td> <td>4</td> <td>4</td> <td>5</td> </tr> <tr> <td>Graphical Capabilities</td> <td>3</td> <td>4.5</td> <td>4.5</td> </tr> <tr> <td>Advancements in Tools</td> <td>4</td> <td>4.5</td> <td>4.5</td> </tr> <tr> <td>Job Scenario</td> <td>4</td> <td>4.5</td> <td>4.5</td> </tr> <tr> <td>Customer Service Support and Community</td> <td>4</td> <td>3.5</td> <td>5.5</td> </tr> <tr> <td>Deep Learning Support</td> <td>2</td> <td>3</td> <td>4.5</td> </tr> <tr> <td>Total</td> <td>38.5</td> <td>31.5</td> <td>41</td> </tr> </tbody> </table>	Parameter	SAS	R	Python	Availability/Cost	3	5	5	Ease of Learning	4.5	2.5	5.5	Data Handling Capabilities	4	4	5	Graphical Capabilities	3	4.5	4.5	Advancements in Tools	4	4.5	4.5	Job Scenario	4	4.5	4.5	Customer Service Support and Community	4	3.5	5.5	Deep Learning Support	2	3	4.5	Total	38.5	31.5	41	
Parameter	SAS	R	Python																																						
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<p>Mr. Santosh Chapneri , Assistant Prof. ,EXTC Dept., SFIT taking session.</p>	<p>Mr. Santosh Chapneri with participants</p>																																								



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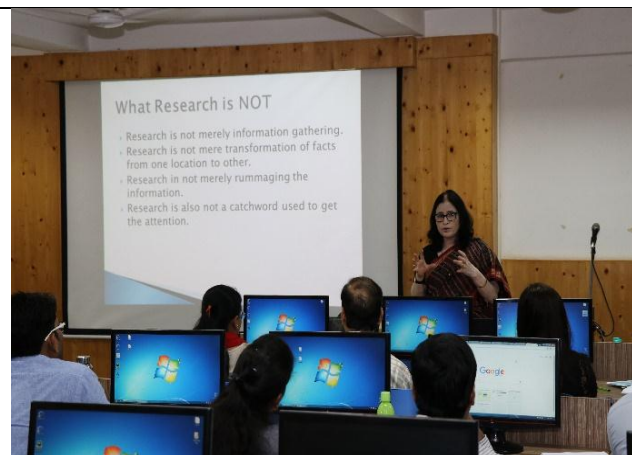
Day 2: Tuesday, 28th November 2017

Session 1:

Name of the Delegate & Topics covered	Highlights of the Session
Name: Dr. Anjali Panigrahi	
Topic(s): Research problem, Proposal and Literature Review with respect to example in Data Analytics	<p>Session started with the introduction to what research is and how to formulate a research problem. She described in formulation of research problem that whether it is a problem of research study or a small research project. Her main focus was on to find sources on research problem. Her truly said that “A problem well defined is half solved”</p> <p>How to write a literature review and read a technical research paper. Identifying relevant paper for your research work from the various source and arranging the in some pattern (author wise, year wise etc.)</p>



Dr. Anjali Panigrahi, Associate Prof., Chetana College, Bandra taking session.



Dr. Anjali Panigrahi talking about research with participants.



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Session 2:


Name of the Delegate & Topics Covered	Highlights of the Session
Name: Dr. Anjali Panigrahi	
Topic(s): Hypothesis Testing and Applications of Statistics	She started with the basics of Statistics .introducing mean median and mode with graphs She covered hypothesis with various examples on Null hypothesis and alternate hypothesis.
	
<p>Dr. Anjali Panigrahi, continuing session with Hypothesis Testing.</p>	<p>Dr. Anjali Panigrahi, felicitated by Momentoes</p>



Session 3:

Name of the Delegate & Topics Covered	Highlights of the Session
Name: Mr. Santosh Chapneri	
Topic(s): Hands On hypothesis testing	Problem solving on jupyter notebook related to hypothesis testing (Z-test,t test etc)
 <p align="center">Mr. Santosh Chaneri, continuing hands-on session with Hypothesis Testing.</p>	

Session 4:

Name of the delegate & topics covered	Highlights of the session
Name: Mr. Santosh Chapneri	
Topic(s): Hands On: Data Analytics I (Scikit learn)	Problem solving on jupyter notebook related to data analytics(classification, clustering etc)
 <p align="center">Mr. Santosh Chapneri, taking hands-on session on Scikit Learn.</p>	

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Day 3: Wednesday, 29th November 2017

Session 1:

Name of the Delegate & Topics covered	Highlights of the Session
Name: Dr. Ananthnarayan Hariharan	
Topic(s): Linear Algebra and Applications I	The speaker started the session by writing a differential equation and asking the participants to solve the same. He then gradually explained how differential equations are an application of linear algebra. He explained how a solution set is a composition of functions.



Dr. Ananthramanarayanan, Assistant Prof. IITB taking session on Linear Algebra

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Session 2:

Name of the Delegate & Topics Covered	Highlights of the Session
Name: Dr. Ananthnarayan Hariharan	
Topic(s): Linear Algebra and Applications II	In this session the speaker demonstrated how linear algebra plays a role in matrices and different numbering systems along with its real life applications. In particular, he talked about matrix transformations, square matrix, inverse matrix, Eigen values, eigen vectors and eigen spaces, and diagonalization.



Dr. Ananthramanarayanan, felicitated by memento



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Session 3 & 4:

Name of the Delegate & Topics Covered	Highlights of the Session
<p>Name: Mr. Santosh Chapneri</p>	
<p>Topic(s): Hands on: Linear Algebra</p>	<p>In this session, the speaker first explained the terminologies used in linear algebra and matrices and then demonstrated how linear algebra can be used in image compression using various matrix transforms.</p>
	
<p>Mr. Santosh Chapneri taking hands on session Linear Algebra</p>	<p>Mr. Santosh Chapneri felicitated by memento.</p>

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Day 4: Thursday, 30th November 2017

Session 1:

Name of the Delegate & Topics Covered	Highlights of the Session
Name: Dr. Sanjay Shitole	Session started with introduction to machine learning, further he discussed difference between machine learning and deep learning. Session mainly focused on neuron mathematical model, types of learning and multilayer feed forward network.
Topic(s): Machine Learning Basics, Learning Rules, Multilayer Feed forward Network and it's Applications	



Dr. Sanjay Shitole , HOD IT, SNTD University taking session on Machine Learning

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Session 2:

Name of the Delegate & Topics Covered	Highlights of the Session
Name: Dr. Sanjay Shitole	
Topic(s): Deep Learning	Session continued with one of the learning rule perceptron, with numerical example and explored deep learning concepts.



Dr. Sanjay Shitole with participants

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Session 3:

Name of the Delegate & Topics Covered	Highlights of the Session
Name: Mr. Siddhesh Wagle	
Topic(s): Hands on: Basic Python	He briefly described the theoretical concepts that were to be implemented on jupyter.in the session majorly the basic functions that were required to train the neural network.



Mr. Siddhesh Wagle , Resource Person from industry, Cerelab Mulund taking hands on session.



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Session 4:

Name of the Delegate & Topics Covered	Highlights of the Session
Name: Mr. Siddhesh Wagle	
Topic(s): Hands on: Tensorflow for Deep Learning	Using an example on training neural network using tensor flow and application of deep learning example deep art, deep dream generator etc.



Mr. Siddhesh Wagle taking hands on session on Deep Learning

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Day 5: Saturday, 2nd December 2017

Session 1:

Name of the Delegate & Topics Covered	Highlights of the Session
Name: Dr. Sangeeta Zope Chaudhari	
Topic(s): Classification Approaches in Supervised Learning	In this session the speaker introduced computer classification, supervised and unsupervised classification approaches and explained the role of features, classifier and training data in supervised classification. She also explained supervised learning process and the different supervised learning algorithms.



Dr. Sangita Zope , HOD IT Dept. , AC Patil College of Engg. Taking session on Classification approaches.

Dr. Sangita Zope with participants.



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Session 2:

Name of the Delegate & Topics Covered	Highlights of the Session
<p>Name: Dr. Varsha Turkar</p>	
<p>Topic(s): Classification Assessment and Clustering</p>	<p>The speaker introduced ‘confusion matrix’ to the participants and explained the elements of the confusion matrix. She then explained the four outcomes of classification and the errors associated with it as well as error rate, kappa coefficient and accuracy.</p> <p>She then moved on to unsupervised classification, clustering, hierarchical and nonhierarchical (K-means) clustering and ISODATA algorithm.</p>
	
<p>Dr. Varsha Turkar, Associate Prof., VIT taking session on Clustering.</p>	<p>Dr. Varsha Turkar, explaining participants.</p>



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Session 3:

Name of the Delegate & Topics Covered	Highlights of the Session
<p>Name: Dr. Sangeeta Zope Chaudhari</p> <p>Topic(s): Hands on: Tableau</p>	<p>In this session, the speaker introduced ‘Tableau’ software to participants. She then gave a hands on experience of ‘Tableau-Desktop’ to participants. She showed how to import your database tables, how to connect to different databases and how to input your files in tableau software. She then explained the difference between dimensions and measures and demonstrated how data analysis takes place in tableau with inbuilt aggregate functions, sorting and filtering. She also emphasized on the numerous visual representations and reports that tableau creates like bar graph, line chart, geographical maps, dual axes charts, tables, etc. She also demonstrated how to create a worksheet, workbook and dashboard.</p>



Dr. Sangeeta Zope taking hands on session on tableau.



Dr. Sangeeta Zope felicitated by memento.

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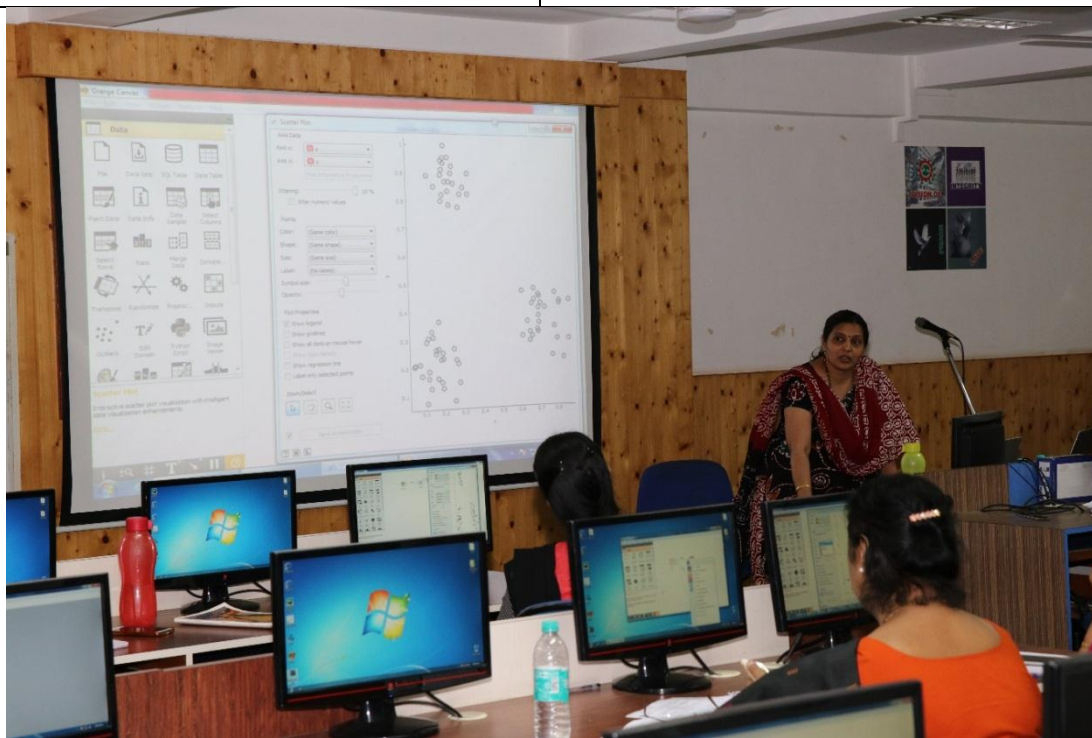
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Session 4:

Name of the Delegate & Topics Covered	Highlights of the Session
Name: Dr. Varsha Turkar	
Topic(s): Hands on: Orange	<p>In this session, the speaker introduced ‘orange’ software to participants which is a free data mining and machine learning tool.</p> <p>She then provided a hands on experience to participants of ‘orange’ and showed them how to solve clustering problems with it. She also showed creation of scatter plots and separation of features with rank projections. She demonstrated both hierarchical and k-means clustering. She also demonstrated how k- means fails for spherical shaped clusters.</p> <p>In the end she showed how Orange can be used to compare various classification approaches.</p>



Dr. Varsha Turkar taking hands on session on Orange



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Day 6: Monday, 4th December 2017

Session 1:

Name of the Delegate & Topics Covered	Highlights of the Session
Name: Dr. Sivaramakrishnan	
Topic(s): Optimization Concepts	The speaker introduced the concept of optimization, especially linear optimization with real world examples. The Network Routing problem and other linear optimization problems were explained with help of practical illustrations. The future and scope of linear optimization was discussed so that the attendees can seek interest in the arena.



Dr. Sivaramkrishanan, Associate Prof., IIT Bombay felicitated by Dr. Vaishali Jadhav.



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Session 2:

Name of the Delegate & Topics Covered	Highlights of the Session
Name: Dr. Sivaramakrishnan	
Topic(s): Techniques to solve optimization problems	The session was continued by discussing techniques to solve optimization problems. Various tools were mentioned. The concept of Linear Programming was introduced as the simplest ways to perform optimization which would help one solve some very complex optimization problems by making a few simplifying assumptions. .



Dr. Shivaramkrishnan, taking session on Optimization Techniques

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Session 3:

Name of the Delegate & Topics Covered	Highlights of the Session
Name: Mr. Divesh Kubal	
Topic(s): Hands-on: Word to vectors I, Deep Learning Techniques with respect to Natural Language Processing (NLP) in Python	The speaker introduced Python from the very basics. He explained the concept of deep learning and its applications in Natural Language Processing (NLP). The focus was elaborated on types of Classifications. The session also involved topics on Role of classifier and discussion on supervised classification algorithms like decision tree, minimum distance, parallel piped algorithm, maximum likelihood and nearest neighbor algorithm.



Mr. Divesh Kubal , Resource Person from Industry, Gray Matrix Solutions, taking session on Deep Learning

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Session 4:

Name of the Delegate & Topics covered	Highlights of the session
Name: Mr. Divesh Kubal	
Topic(s): Hands-on- Word to Vectors II, Prediction with Conventional Neural Networks and Recurrent Neural Networks with respect to NLP in Python	The last session was on the usage of a data mining tool called Orange. Hierarchical clustering, k-means algorithm were also explained. Moreover, the session covered Prediction with Convolutional Neural Networks where the networks have neurons with learnable weights and biases. The speaker also gave hands o-on session on Recurrent Neural Networks with respect to NLP in Python language.



Mr. Divesh Kubal continuing session on Supervised Learning.



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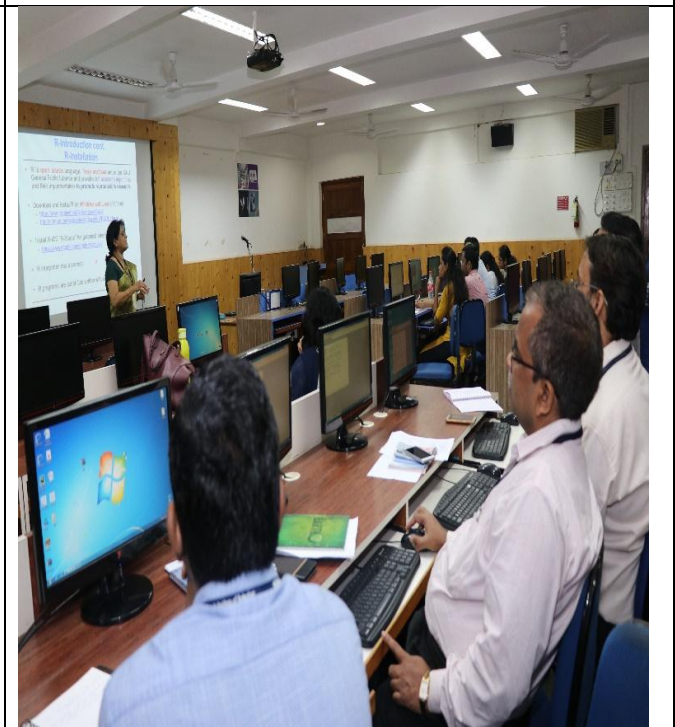
Day 7: Tuesday, 05th December 2017

Session 1:

Name of the Delegate & Topics covered	Highlights of the Session
<p>Name: Dr. Joanne Gomes</p>	
<p>Topic(s): Introduction to R</p>	<p>Session started with introduction to R language and then continued with its importance, features and installation. Further she discussed all the basic syntax required for programming. There was hands on R Studio with making audience aware of R studio environment. Session concluded with exercise on problems in R.</p>



Dr. Joanne Gomes , HOD IT Dept., SFIT taking session on R-Studio.



Dr. Joanne Gomes with participants.

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Session 2:

Name of the Delegate & Topics Covered	Highlights of the Session
Name: Mr. Divesh Kubal	
Topic(s): KNN, SVM and Naïve Bayes	Session started with introduction to KNN, SVM and Naïve Bayes with numerical example and there implementation using R.



Participants attending Mr. Divesh Kubal's Session.



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Session 3:

Name of the Delegate & Topics covered	Highlights of the Session
Name: Mr. Divesh Kubal	
Topic(s): Unsupervised Learning, Clustering, K-means clustering	He briefly described the theoretical concepts Difference between supervised and unsupervised learning and implementation using R on K means clustering algorithm.



Mr. Divesh Kubal taking hands-on session on Deep Learning

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Session 4:

Name of the Delegate & Topics Covered	Highlights of the Session
Name: Mr. Divesh Kubal	
Topic(s): Market Basket Analysis & Apriori Algorithm	Session continued with introduction to market basket analysis and apriori algorithm with numerical example and there implementation using R.



Participants from St. John College of Engg. Attending session on Market Basket Analysis and Apriori algorithm.



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Day 8: Wednesday, 06th December 2017

Session 1:

Name of the Delegate & Topics Covered	Highlights of the Session
<p>Name: Dr. Kavita Sonawane</p>	
<p>Topic(s): Performance Evaluation and Validation in Data Science</p>	<p>Session started with introduction to validation and evaluation, further she discussed why to evaluate and common mistakes while evaluation. A systematic approach for selection of validation process such as randomized split, three way split, K cross fold validation etc.</p>
	
<p>Dr. Kavita Sonawane, HOD CMPN Dept., SFIT, took session on performance Evaluation and Validation.</p>	<p>Dr. Kavita Sonawane with Participants.</p>

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Session 2:

Name of the Delegate & Topics Covered	Highlights of the Session
Name: Mr. Divesh Kubal	
Topic(s): Clustering and Dimensionality Reduction using R	Session started with detailed discussion on clustering continued with previous days session and concluded with dimensionality reduction using R.



Mr. Divesh Kubal took session on Dimensionality Reduction using R.

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Session 3:

Name of the Delegate & Topics Covered	Highlights of the Session
Name: Mr. Divesh Kubal	
Topic(s): Spectral clustering , K-means	He briefly described the theoretical concepts On spectral clustering and k means clustering and there implementation in R.



Participants attending Mr. Divesh Kubal's session on Spectral Clustering using R.

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Session 4:

Name of the Delegate & Topics Covered	Highlights of the Session
Name: Mr. Divesh Kubal	Using an example sir explained feature selection concept and using R implemented the same.
Topic(s): PCA, Feature Selection using R	



Participants attending Mr. Kubal's Session on PCA using R.

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Day 9: Thursday, 7th December 2017

Session 1:

Name of the Delegate & Topics Covered	Highlights of the Session
Name: Mr. Hemant Palivela	
Topic(s): Parameter Tuning for Machine Learning Models	The speaker began his session by explaining the difference between statistical analysis, data mining, machine learning and artificial intelligence. He then emphasized on how parameter tuning is essential in machine learning for obtaining proper result set. The speaker then explained random forest algorithm.



Mr. Hemant Palivela, Resource Person from Industry, Aureus Solutions, took session on Parameter Tunning.

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Session 2:

Name of the Delegate & Topics covered	Highlights of the session
Name: Mr. Hemant Palivela	
Topic(s): Projects on Binary Classification Problems	In this session, the speaker explained bagging algorithm. He also explained various concepts like bootstrap, bootstrap aggregation, ensembling, boosting and stacking. He then discussed a project on binary classification problem using random forest and bagging approaches.



Mr. Hemant Palivela, took session on Classification and Random Forest.



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Session 3 and 4:

Name of the Delegate & Topics covered	Highlights of the Session
Name: Mr. Hemant Palivela	
Topic(s): Implementation of Industry relevant Projects in R	The speaker started this session by explaining the difference between Python and R to participants. He then demonstrated how random forest algorithm and bagging method can be implemented in R for binary classification projects. He also demonstrated that random forests have better accuracy than bagging while bagging is faster than random forest.



Mr. Hemant Palivela, took session on implementation of industry relevant projects using R.



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Day 10: Friday, 8th December 2017

Session 1:

Name of the Delegate & Topics Covered	Highlights of the Session
Name: Mr. Hemant Palivela	
Topic(s): Case Studies	<p>In the first session, the speaker gave an interesting talk on how to approach any machine learning problem using the five steps in Data Science. The topic involved explanation of the machine learning framework. Once the framework is set, the training and validation stage completes the machine learning module. General algorithms used for problem solving helped attendees understand the various approaches with which a machine learning problem can be handled.</p>



Mr. Hemant Palivela discussing case studies.

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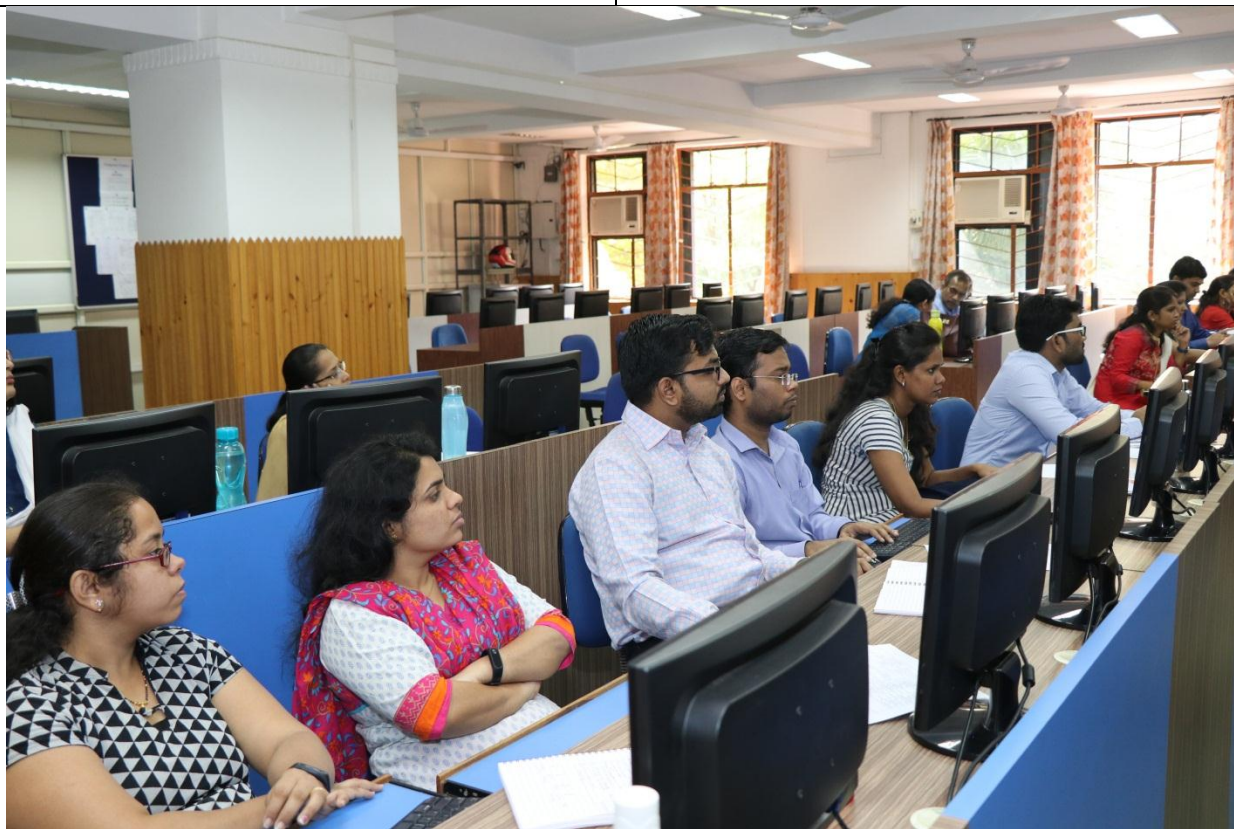
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Session 2:

Name of the Delegate & Topics Covered	Highlights of the Session
Name: Mr. Hemant Palivela	
Topic(s): Case Studies	The second session was an elaboration on parameter tuning in machine learning models. The speaker started with the discussion on difference between data mining, statistics, machine learning and AI? Random forest Algorithm was explained in detailed along with its working and example. Random Forest Algorithm was also compared to Bagging algorithm to understand its advantages and disadvantages.



Participants attending session of Mr. Hemant Palivela

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Session 3 & 4

Name of the Delegate & Topics Covered	Highlights of the Session
<p>Name: Valedictory</p>	
<p>Topic(s): Valedictory Ceremony & Certificate Distribution</p>	<p>The Valedictory ceremony commenced with the St, Francis Prayer and Sarasvati Vandana. The Chief Guest was Mr. Pramod Shanbhag and the Guest of Honor was Mr. Hemant Palivela. Dr. Vaishali Jadhav gave a summary of the two week seminar. Mr. Pramod Shanbhag addressed the audience and mentioned importance of such seminars conducted in the institute. Feedback by participants is taken. Then after certificate distribution, the valedictory ended with a vote of thanks by Ms. Vandana Patil.</p>
	
<p>Chief Guest Mr. Pramod Shanbhag addressing the gathering.</p>	<p>Certificate Distribution by Principal, SFIIt Dr. Sincy George.</p>

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27th November 2017 - 8th December 2017



Summary

The coordinator of the program was Dr. Joanne Gomes, HOD IT Department. The topic for the program was “Analysis Essentials & Tools in Applied Research”. The main aim behind this topic was to motivate the people for research with awareness of statistical concepts & latest analytics tools using R & Python programming. The Program was scheduled for 10 days from 27th November 2017 to 8th December 2017.

Dr. Veena Deshmush, former director –cum-professor, center at distance education, SNDT university started our first session with basic statistical concepts and definitions of statistics, analytics etc. Dr. Madhukar Dalvi, Associate Prof. from Khadelwala was our second resource person highlighted the role of statistics in analytics & role of analytics in applied research. He started with first analytical tool i.e. IBM SPSS statistical & package for the social sciences. It is used for editing & analyzing all sorts of data. In the afternoon session Mr. Santosh Chapneri, internal faculty, EXTC Department, SFIT took hands on session with Jupyter notebook and introduced python on very first day.

On Second day on 28th November 2017 Dr. Anjali Panigrahi, Associate Professor, Chetana College Bandra took a morning session with importance at research, literature review and hypothesis testing methods. In the afternoon session Mr. Santosh Chapneri introduced new latest analytical concept with SciKit –learn.

On third day 29th November 2017 Dr. Ananthram Narayanan resource person from IIT Bombay highlighted the concepts of linear algebra and corresponding hands on was taken by Mr. Santosh Chapneri.

On the fourth day on 30th November 2017 Dr. Sanjay Shitole HOD IT SNDT university IIT Bombay PhD holder introduced machine learning concepts and took the perception learning rule in detail. He

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AICTE sponsored Seminar on

Analytics Essentials & Tools in Applied Research

27th November 2017 - 8th December 2017



showed various videos which gave the importance of intelligent machine in today's life. The corresponding hand on was taken by Mr. Siddersh, he was a first resource person from industry. He is working in CERE LAB Industry Mulund. He took Basic Machine Learning as well as deep learning concepts using python.

On the fifth day on 2nd December 2017 our resource person was Dr. Sangeeta Zope HOD IT Department A.C. Patil Engg College. She completed her PhD from IIT Bombay. She started Classification approaches in supervised learning and she took hands on table au i.e. another analytics tool used for data representation, data calculation as well as for data prediction or forecasting. Dr. Varsha Turkar another resource person took morning session on clustering approaches and introduced a new analytics tool i.e. Orange. Dr. Varsha is currently working as associate professor in Vidhyalankar Institute of technology & she completed for PhD from IIT Bombay.

On 6th day on 4th December 2017 Dr. Shivatamkrishnan, Associate Professor in IIT Bombay took session on linear optimization and techniques to solve optimization problems. In afternoon session, Mr.Divesh Kubal, 2nd industry resource person, working as a senior python developer in Gray Matrix Solutions took the hands on in Machine Learning concepts. He highlighted the concepts of machine learning such as feature engineering Shallow learning Deep learning convolution Neural network Cost function Loss Function and corresponding programing using python and Tensorflow packages.

On the 7th day on 5th December 2017 Dr. Joanne Gomes PhD from SNTD university HOD IT department took a session on introduction to R. She introduced dynamically typed language i.e. R. She explained R Studio in detail with installation of packages importing of databases, along with basic R programing objects such as array factors lists vectors matrices & data frames, In the afternoon session, Mr.Divesh Kubal highlighted the concepts of ML such as support vector machine (SVM), ANN and KNN.

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On the 8th day on 6th December 2017 Dr.Kavita Sonawane, PhD from NMIMS university HOD CMPN Department took session on parameters evaluation & validation in analytics. She shared her own experience problem occurred during her PhD. Session was really very informative and motivating to participants. In the afternoon session Mr. Divesh Kubal introduced the concept of dimensionality reduction, decision tree, random forest and he discussed his own project work as case study.

On 9th & 10th day on 7th December & on 8th December 2017 Mr. Hemant Palivela , Data Analyst form Aurous Solution gave in depth knowledge about machine learning algorithms. He started with difference Data mining, Artificial Intelligence, Machine learning and statistics. He explained difference between various algorithms, classifications vs Random forests. The concepts of Bagging, bootstrap, cross validation, higher dimensional space, over fitting, under fitting, RSS (Residual Sum of Squares),Dependent vari(target) independent vari(predictors).Classification using Random Forest, Regression using Random Forest etc. he discussed real time application of insurance & financial analytics. He showed the ways for model optimization & different general algorithms used for problem solving.

This is about the 10 days schedule. Regarding participants we had total 37 participants from various engineering as well as management colleges. 6 participants from St.Francis MBA college, 4 from St. John Engg. College, 2 from St. Xavier College of Engg. , 1 from Don Bosco Institute of Technology , 1 from Sabo Siddique College of Engg. , 2 from Atharva College of Engg. , 1 from Thakur College of Engg. , 2 from Tiwari Engg College, 1 from D.Y. Patil College of Engg. Kolhapur, 2 from Vasant Dada Patil College of Engg., 2 from Fr. Angel College of Engg. Bandra , 1 from Viva College of Engg. and our internal SFIT research scholars. We had 4 participants from CMPN department, 3 from IT department & 1 form EXTC department & 1 from FE department. The Participates were really very attentive & had learning attitude.

Applications of Mathematics in Engineering and Research

LIST OF PARTICIPANTS

Sr. No	Name of Participants	NEFT	CASH	Details
1	Prof.Gayatri Pandya	NEFT		PAID
2	DR. KEYA SURAG DOSHI	NEFT		PAID
3	Vaishali Dabholkar			
4	Vinayak Eknath Kharpude	NEFT		PAID
5	ROHINI NIVRUTTI GHULE	NEFT		PAID
6	Dorill Carvalho	NEFT		PAID
7	Usha Bag	NEFT		PAID
8	MUKUL BHATT		CASH	
9	Shweta B. Shinde.		CASH	
10	Shruthi Subhash		CASH	
11	KRUPA MAHIPATI SHIKHARE		CASH	
12	Neha Adhikar Wankhede	NEFT		PAID
13	SAMEETA SARAF	NEFT		PAID
14	Shaila satish Surve	NEFT		PAID
15	Shivam Pradeep Yadav		CASH	
16	CHAVAN ASHWINKUMAR RAOSAHEB			
17	K. PRIYA KARUNAKARAN		CASH	PAID
18	Cynthia Rodrigues			
19	Praiza Robert Falcao		CASH	
20	Dipali paresh mali		CASH	
21	Vaishali More			
22	Belinda Misquitta		CASH	
23	Astrid Dsouza		CASH	
24	Grishalda Dsouza		CASH	
25	Sainath Ghosalkar		CASH	
26	Rachel L. Pereira		CASH	
27	Mohammad Faiz Ansari	NEFT		PAID
28	Jayashri Mittal		CASH	

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13	Shivam Pradeep Yadav		CASH	PAID	
14	CHAVAN ASHWINKUMAR RAOSAHEB		cash	PAID	
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16	Cynthia Rodrigues		cash	PAID	
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18	Dipali paresh mali		CASH	PAID	
19	Vaishali Gore		cash	PAID	
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21	Astrid Dsouza		CASH	PAID	
22	Grishalda Dsouza		CASH	PAID	
23	Sainath Ghosalkar		CASH	PAID	
24	Rachel L. Pereira		CASH	PAID	
25	Mohammad Faiz Ansari	NEFT		PAID	
26	Jayashri Mittal		CASH	PAID	
27	Nidhi G		cash	PAID	
28	Pallavi Chopade		cash	PAID	
			16500	3000	6000

Applications of Mathematics in Engineering and Research

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5	Dorill Carvalho	NEFT		PAID	
6	Usha Bag	NEFT		PAID	
7	Shweta B. Shinde.		CASH	PAID	
8	Shruthi Subhash		CASH	PAID	
9	KRUPA MAHIPATI SHIKHARE		CASH	PAID	
10	Neha Adhikar Wankhede	NEFT		PAID	
11	SAMEETA SARAF	NEFT		PAID	
12	Shaila satish Surve	NEFT		PAID	
13	Shivam Pradeep Yadav		CASH	PAID	
14	CHAVAN ASHWINKUMAR RAOSAHEB		cash	PAID	
15	K. PRIYA KARUNAKARAN		CASH	PAID	
16	Cynthia Rodrigues		cash	PAID	
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19	Vaishali Gore		cash	PAID	
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25	Mohammad Faiz Ansari	NEFT		PAID	
26	Jayashri Mittal		CASH	PAID	
27	Nidhi G		cash	PAID	
28	Pallavi Chopade		cash	PAID	

St. Francis Institute of Technology, Borivli West, Mumbai - 400103
AICTE-ISTE Approved STTP on
Applications of Mathematics in Engineering and Research
From 1st to 6th July,2017

List of Participants

Sr. No	Name of Participants	ISTE Number
1	Ms. Usha R. Bag	LM 89414
2	Mr. Chavan Ashwinkumar Raosaheb	LM 70128
3	Ms. Priya Karunakaran	LM 72082
4	Ms. Vaishali Balaji Gore	LM 60658
5	Ms. Belinda Peter D'cunha	LM 68318
6	Ms. Astrid Alwis Mathos	LM 68320
7	Ms. Grishalda Gildas Mathos	LM 72078
8	Ms. Jayashri Mittal	LM 41372
9	Ms. Nidhi Gaur	LM 62416
10	Ms. Pallavi Pravin Chopade	LM 60657
11	Ms. Shruthi Subhash	Applied
12	Dr. Keya Surag Doshi	Applied
13	Ms. Rohini Nivrutti Ghule	Applied
14	Ms. Praiza Robert Falcao	Applied
15	Ms. Dipali Paresh Mali	Applied
16	Mr. Mohammad Faiz Ansari	Applied
17	Mr. Sainath Namdeo Ghosalkar	Applied
18	Ms. Shweta Balaji Shinde	Applied

NON-ISTE MEMBERS

Sr. No	Name of Participants	
19	Ms. KRUPA MAHIPATI SHIKHARE	
20	Ms. Gayatri B. Pandya	
21	Ms. Rachel Lucas Pereira	
22	Mr. Vinayak Eknath Kharpude	
23	Ms. SAMEETA SARAF	
24	Ms. Shaila Satish Surve	
25	Ms. Neha Adhikar Wankhede	
26	Ms. Dorill Caesar Carvalho	
27	Mr. Shivam P. Yadav	
28	Ms. Cynthia Rodrigues	

**St. Francis Institute of Technology Borivali Mumbai
Basic Science and Humanities**

Report on Mathematics STTP Report

Academic Year 2017-2018

From 01 July 2017 to 06 July 2017





St. Francis Institute of Technology, Borivli West, Mumbai - 400103

AICTE-ISTE Approved STTP on

Applications of Mathematics in Engineering and Research

From 1st to 6th July,2017

REPORT

Our idea behind this one week AICTE-ISTE approved program on “Applications of Mathematics in Engineering and Research” was to keep in mind the learners i.e. our students and teachers perspective. So the sessions were planned accordingly with guidance and support of our principal.

We had in total 28 registrations. Faculties from D.J.Sanghvi College of Engineering, V.E.S. INSTITUTE OF TECHNOLOGY, K. J. Somaiya College of Engineering, MCT'S RAGIV GANDHI INSTITUTE OF TECHNOLOGY, Shree L R Tiwari College of Engineering, Dr. Babasaheb Ambedkar Technological University, A.C.Patil college of Engineering, Vidyavardini College, St. John College of Engineering, Mukesh Patel School of Technology, Management & Engineering, A.P. Shah Institute of Technology and St. Francis Institute of Technology.

Resource person's details

1. Dr. Dhananjay Kalbande from Sardar Patel Institute of Technology
2. Dr. Ananthnarayan Hariharan from IIT Bombay
3. Dr.S.B.Muley from K.C.College,Churchgate

4. Dr. Selby Jose from The Institute of Science, Mumbai
5. Dr. R.S.Maurya from Sardar Patel College of Engineering
6. Dr.Pritha Bhattacharyya from Fr. C. Rodrigues Institute of Technology
7. Dr. Sincy George from St.Francis Institute of Technology
8. Dr. C. Hariprasad from St.Francis Institute of Technology
9. Dr. Joanne Gomes from St.Francis Institute of Technology
- 10.Mr. Santosh Chapaneri from St.Francis Institute of Technology
- 11.Dr. Vikram Shete, Former Faculty of St.Francis Institute of Technology

On the very First day i.e. 1st of July after the inauguration we had a session on Mathematics for data analysis and machine learning where importance of mathematics was emphasized more and examples from our Day to day lives were given. Afternoon we had sessions on Introduction to Latex followed by hands-on experience on Latex.

On the second day i.e. 3rd of July we had a morning session on “Linear Algebra and its Applications” where how to work on different topics in Linear Algebra and its applications were discussed. In the afternoon we had practical sessions on Scilab where how to write the codes to solve mathematical problems were discussed and simultaneously participants also could execute it.

On the third day i.e. 4th of July we had session on “Techniques to Solve Non Linear Optimization Programming” in which different types of optimization were discussed and Lagrange Multiplier method was elaborated in detail. Followed by a session on “NonLinear Optimization in Electrical Engineering” where practical examples were dealt. We also had an Introduction session to R-programming followed by hands on.

On the fourth day i.e. 5th of July we had a session on Applications of Laplace Transform where how and when to apply Laplace and other transforms in electrical circuits were discussed. Afternoon we had a session on Probabilistic modeling followed by hands-on experience of making mathematical presentations using latex.

And on the final day i.e. 6th of July we had a morning session on Mathematics behind Google where the page rank method used by Google was discussed and the mathematics behind it. Then a session on mathematical modeling and iterative solution where how real life systems are represented as big or small mathematical models which can be converted to numerical models and how they can be solved by iterative methods was discussed.

In the afternoon, we had a session on “A journey through the real life application of mathematical concepts”, where how mathematical research is used in development of modern science and in our day to day life was discussed. Followed by a session on Data collection and analysis where how science, Technology and engineering are

related and how mathematical concepts are used in construction and data analysis was discussed.

Overall Lab sessions proved to be very effective and fruitful for all the participants. It was a great learning experience.

Given the expertise of our resource persons and enthusiasm of the participants we were able to execute the sessions to their satisfaction.

We believe these sessions have added knowledge of our participants in a manner that will not only benefit them but through them their student community as well. On that note we are glad that we were able to offer such a platform for everyone.

Mrs. Preethi Colaco

STTP Coordinator

Mrs. Grishalda Dsouza

STTP Coordinator

St. Francis Institute of Technology

Mount Prince, S.V.F. Road, Borivali (West), Mumbai 400 103.
One week AICTE-ISTE approved Short Term Training Program On
"Applications of Mathematics in Engineering and Research"

SCHEDULE

Day 1(Saturday, 1st July 2017)

Sr. No.	Time	Topics	Resource Person	Institution
1	9:30 am-11:00 am	Inauguration	Chief guest Dr. Dhananjay Kalbunde	Sardar Patel Institute of Technology
2	11:15 am-12:45 pm	Mathematics for data analysis and machine learning	Dr. Dhananjay Kalbunde	Sardar Patel Institute of Technology
3	1:30 pm-3:00 pm	Introduction to Latex	Mr. Santosh Chapaneri	St. Francis Institute of Technology
4	3:15 pm- 4:45 pm	Hands On Experience on Latex	Mr. Santosh Chapaneri	St. Francis Institute of Technology

Day 2(Monday, 3rd July 2017)

Sr. No.	Time	Topics	Resource Person	Institution
1	9:30 am-11:00 am	Linear Algebra and Application	Dr. Ananthnarayan Hariharan	IIT Bombay
2	11:15 am-12:45 pm	Linear Algebra and Application	Dr. Ananthnarayan Hariharan	IIT Bombay
3	1:30 pm-3:00 pm	Various Software tools in Mathematics (Sci-lab, Python...)	Mr. Santosh Chapaneri	St. Francis Institute of Technology
4	3:15 pm- 4:45 pm	Random variables and Linear Algebra with Sci-lab	Mr. Santosh Chapaneri	St. Francis Institute of Technology

Day 3(Tuesday, 4th July 2017)

Sr. No.	Time	Topics	Resource Person	Institution
1	9:30 am-11:00 am	Techniques to solve Non-linear Optimization problem	Dr. S.B. Muley	K.C. College, Churchgate
2	11:15 am-12:45 pm	Application of non-linear optimization in electrical engineering	Dr. Sincy George(Principal)	St. Francis Institute of Technology
3	1:30 pm-3:00 pm	Introduction to R programming	Dr. Joanne Gomes(HOD,IT Dept.)	St. Francis Institute of Technology
4	3:15 pm- 4:45 pm	Probability, Statistics and Linear Algebra using R programming	Dr. Joanne Gomes(HOD,IT Dept.)	St. Francis Institute of Technology

Day 4(Wednesday, 5th July 2017)

Sr. No.	Time	Topics	Resource Person	Institution
1	11:15 am-12:45 pm	Laplace transform and its application	Dr. Vikram Shete	Former Faculty of St. Francis Institute of Technology
2	1:30 pm-3:00 pm	Fourier Series and its application	Ms. Michael Ammal	Former Faculty of St. Francis Institute of Technology
3	3:15 pm- 4:45 pm	Data collection and analysis	Dr. C. Hariprasad	St. Francis Institute of Technology

Day 5(Thursday, 6th July 2017)

Sr. No.	Time	Topics	Resource Person	Institution
1	9:30 am-11:00 am	Mathematics Behind Google	Dr. Selby Jose	The Institute of Science, Mumbai
2	11:15 am-12:45 pm	Mathematical modeling and iterative solution	Dr. R.S. Maurya	Sardar Patel College of Engineering
3	1:30 pm-3:00 pm	A journey through the real life application of mathematical concept	Dr. Priha Bhattacharyya	Fr. C. Rodrigues Institute of Technology
4	3:15 pm- 4:45 pm	Probabilistic Modeling	Mr. Santosh Chapaneri	St. Francis Institute of Technology
5	4:45 pm - 5:30 pm	Valedictory		



INDIAN SOCIETY FOR TECHNICAL EDUCATION
Shaheed Jeet Singh Marg, New Delhi - 110016

February 9, 2018/3023

To,

Principal
St. Francis Institute of Technology
Borivli West
Mumbai - 400 103
Maharashtra

Sub: STTP-SF Certificates - reg.

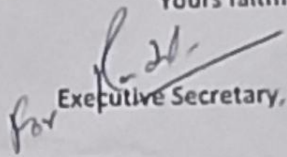
Sir,

Please find enclosed herewith certificates for 13 participants (from no. 1717 - 1734) regarding the STTP conducted by you on self financing basis on "Applications of Mathematics in Engineering and Research" during 01/07/2017 to 06/07/2017 as per the list sent by you.

Kindly acknowledge on receipt.

Thanking You,

Yours faithfully,


Executive Secretary, ISTE



**FACULTY INDUCTION PROGRAMME
(3rd July to 7th July, 2017)**

Sr. No	Name	Branch / Department	Contact Number	E-mail
1	Promila Pandey	FE	8299741030;	Promilapandey01@gmail.com
2	Babasaheb Shinde	FE	9860658683	babasaheb.shinde@dbatu.ac.in / mebabashinde@gmail.com
3	Vipin Kallingal	FE	8433806653	kvipin1990@gmail.com
4	Nikita Tiwari	INFT	9479598139; 8588869761;	Er.nikitatiwari@gmail.com
5	Anuradha Nair	INFT	7666593794; 9527087352;	Anuradha.nair@outlook.com
6	Kiran Israni	INFT	9892736364; 9175979640;	isranikirank@gmail.com
7	Vivek Solavande	CMPN	9870686001;	viveksolavande@gmail.com
8	Vanessa D'Britto	CMPN	9096153318; 9766095663;	vanessarumao@gmail.com
9	Newton Fernandes	ME-EXTC	9619495778;	newton.fernandes.inc@gmail.com ;
10	Bhagyashree Deshpande	ME-EXTC	9167845948;	bhagyashreedeshpande01@gmail.com ;
11	Sukhaji Sawant	ME-EXTC	7208832180;	virajsawant40@gmail.com ;
12	Akanksha Tiwari	ME-EXTC	8108875157;	akankshatiwari2207@gmail.com ;
13	Rani Valentina	ME-EXTC	8087856615;	valentinarani@gmail.com ;
14	Minal Khombal	ME-EXTC	8108456043;	khombalminal@gmail.com ;
15	Niraj Yadav	ME-EXTC	9867136104;	niraj.yadav72@gmail.com ;
16	Akshata Sankhe	ME-EXTC	9273507870;	akshatasankhe10@gmail.com ;
17	Payal Shah	ME-EXTC	8655145881;	spiya922@gmail.com ;

Report on Faculty Induction Programme 2017

“A job well done today is the best preparation for tomorrow.”

-Shiv Kherra



The journey of Faculty Induction Programme 2017 began on Monday, 3 July 2017 with the Inaugural function. The very first session of Day 1 conducted by Ms. Shilpa Gangatirkar, focussed on understanding adolescent behaviour and positive handling of the same. The second session was the “Micro-teaching’ conducted by Ms. Preethi Colaco. In this session, the practical details of pedagogy were explained and it laid the foundation for their lecture performance.

On Day 2, Tuesday, 4 July 2017 we began with a session on Accreditation and Quality Assurance by Dr. Deepak Jayswal. The participants were introduced to aspects that helped them know more about SFIT, its various programmes, challenges in achieving an accreditation and the important role of faculty in getting the same. Our Principal, Dr. Sincy George, conducted the second session. The participants were acquainted to concepts of programme outcomes and course outcomes. The session helped them understand the importance of performance mapping, performance of not only the students but also that of the teachers for more effective teaching learning process. The third session by Dr. C. Hariprasad, introduced the participants to the course file and its various elements highlighting importance of detailed planning for fruitful execution of sessions and as a tool that offers much required reference to new or even fellow faculty members. The fourth session by Dr. Kevin Noronha was based on research prospects and funding agencies. Thus, guiding the participants in the direction of research and the unexplored opportunities that they could utilize.

Day 3 of FIP, Wednesday 5 July 2017 was a day of performance. Ms. Preethi Colaco conducted the post micro teaching session. The participants took the stage with well-planned and prepared content to deliver their lectures. Feedback from not only the Resource person but also from their peers helped them identify their strengths and areas that they could work on.

Day 4, Thursday 6 July 2017 was a day filled with team spirit. We began with an activity-based session on Team building. Our Resource person, Mr. Hugo D’Souza by using effective analogies, brain storming sessions and interesting activities, covered some of the most

essential aspects of team behaviour. Dr. Geeta Shetty conducted the evening sessions to cover important aspects of communication skills and contemporary teaching and evaluation. Through this session, participants understood the details that need to be paid attention to while designing, analysing and executing evaluation techniques.

Day 5, Friday, 7 July 2017 started on a serene note. Sister Shreya conducted the session on 'Stress Management' guiding participants to use their inner strength and positivity to conquer the negativities. Our second session by Dr. C. Hariprasad, elaborated specifically on the growth opportunities under Mumbai University providing guidance to participants in that regard. Ms. Deepa Panakkal conducted the final session of FIP. It was about developing a teaching persona, where in various aspects and factors of a teacher's personality were discussed using case studies and interesting analogies. The programme concluded with the valedictory function.

Altogether, we believe Faculty Induction Programme 2017 touched upon various aspects that add to the effectiveness of teaching learning process, growth of a teacher and through that benefit of the students. With the constant encouragement and support of our respected Director, Bro Jose Thuruthiyil and our Principal, Dr. Sincy George, expertise of our Resource persons, colleagues who wished us well, sincere efforts from the teaching and non-teaching members of the organizing committee and the enthusiasm of our participants, we were able to make this FIP 2017 a success.



Prepared by

Ms Deepa Panakkal
Coordinator, FIP 2017