



**SARVAJANIK
UNIVERSITY**

INCLUSIVE | INTEGRATED | INNOVATIVE



Sarvajani University
Sarvajani College of Engineering & Technology
Department of Information Technology



GUJCOST-DST Sponsored 5-Days STTP in Online Mode

on

“Recent Trends in Information Security and Privacy”

Organized by

Department of Information Technology

During

25th October - 29th October 2021

Corordinated By

Dr. Dhruti Sharma, Assistant Professor, IT, SCET
Dr. Vivaksha Jariwala, Associate Professor, IT, SCET

About Sarvajanik University (SU)

Sarvajanik University (SU) has been established by Sarvajanik Education Society. The Sarvajanik Education Society is a 109 year old, democratically run, philanthropic society serving the educational needs of over 33,000 students in its 33 institutes. The members of the Society are eminent citizens of South Gujarat. It is the largest educational society in India, which depends on philanthropy of the community.

The University offers a student centric choice based approach along with liberal studies education. The University ensures for its students, a holistic personality development with ethical and informed professional commitment, individuals sensitive and sensible to concerns of society and the world.

About Sarvajanik College of Engineering and Technology (SCET)

Sarvajanik College of Engineering and Technology is being the oldest self-financed institute in Gujarat, caters to more than 2500 students, offering 10 UG and 6 PG programs in engineering faculty of diverse fields. It is one of the prime Institutions offering technical education in field of Engineering & MCA. Both the courses are affiliated with the Sarvajanik University, Surat and Gujarat Technological University, Chandkheda approved by AICTE, New Delhi.

SCET is taking a lead role in developing Training & Placement related activities of south Gujarat region with the help of GTU- ITAP Cell. It is acting as a single point of contact for companies to help them for recruitment of Engineers, Pharmacist, MBA, M.Sc., B.Sc. Diploma etc. SCET with its innovative approach towards INSTITUTE INDUSTRY IN TRACTION has an excellent placement records for its students.

About IT Department

The department of Information Technology Engineering, established in 2001 provides one of the best learning opportunities to students with its contemporary course design and curriculum encompassing not only Information Technology but also covering key of Communication Technology and by providing state-of-art learning resources. The department currently offers an AICTE approved Bachelor's Degree in Information Technology and is affiliated to the Gujarat Technological University. The department has qualified and dedicated faculty members with the specialization in various areas like information security, computer networks, machine learning, wireless network, etc.

About STTP

Department of Information Technology of Sarvajani College of Engineering and Technology organized GUJCOST-DST sponsored 5-days STTP in Online Mode on **“Recent Trends in Information Security and Privacy”** during **25-29 October 2021**.

The STTP was aimed to spread awareness about current trends in information Security and privacy in various fields viz. Wireless Sensor Network(WSN), Internet of Things (IoT), Social Network, Cloud Computing etc. amongst faculty members. The prime context was the discussion on the security and privacy challenges in the emerging areas, and their potential solutions. The security approaches used in constrained environments were also discussed. Participants got knowledge on the latest cryptographic/noncryptographic approaches besides traditional mechanisms which are mostly covered by the core textbooks of syllabus. With such knowledge, the faculties may guide their students for proposing research in the field of information security and privacy both in the non-constrained as well as in the constrained environment.

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SARVAJANIK UNIVERSITY
SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF INFORMATION TECHNOLOGY



5 DAYS ONLINE STTP
ON
“RECENT TRENDS IN INFORMATION SECURITY AND PRIVACY”

25TH OCTOBER - 29TH OCTOBER 2021

COORDINATED BY
DR. DHRUTI SHARMA
DR. VIVAKSHA JARIWALA

STTP Flyer



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SARVAJANI EDUCATION SOCIETY
SARVAJANIK COLLEGE OF ENGINEERING & TECHNOLOGY



GUJCOST sponsored Short Term Training Programme (online) on
Recent Trends In Information Security and Privacy

25 October 2021 - 29 October 2021

Resource Persons



Dr. P. Kumaraguru
Associate Prof.
Dept. of CS
IIIT Delhi



Dr. Nishant Doshi
Associate Prof.
Dept. of CSE
PDEU Gandhinagar



Dr. Urbi Chatterjee
Assistant Prof.
Dept. of CSE
IIT Kanpur



Dr. Kaushal Shah
Assistant Prof.
Dept. of CSE
PDEU Gandhinagar



Dr. J Sathish Kumar
Assistant Prof.
Dept. of CSE
NIT Allahabad



Dr. Saurabh Pande
Assistant Prof.
Dept. of CSE
LNMIIT Jaipur



Dr. Shweta Bhandari
Assistant Prof.
Dept. of CSE
LNMIIT Jaipur



Dr. Vineeta Jain
Assistant Prof.
Dept. of CSE
LNMIIT Jaipur



Dr. Kamal Macwan
Asst. Professor
Institute of Technology
NIRMA University
Ahmedabad



Dr. Ruchika Gupta
Post Doctoral
Research Fellow
IIT Guwahati

Coordinators
Dr. Dhruti Sharma
Assistant Prof. - IT SCET
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Dr. Vivaksha Jariwala
Associate Prof. - IT SCET
vivaksha.jariwala@scet.ac.in

Head Of Department
Prof. (Dr.) Mita Parikh
IT SCET
Principal
Prof. (Dr.) Hiren Patel
SCET



Scan to register or visit
<https://forms.gle/KV24os2K1a49cLZU9>

STTP Brochure

Registration form

5-Days Online STTP on “Recent Trends in Information Security and Privacy”

1. Name Mr/Ms :
2. Designation:
3. Department:
4. Institution Address:
5. Phone/Fax:
6. E-mail:
7. Qualification:
8. Experience:
9. Detail of fee Amount:

I declare that the details furnished above are correct to the best of my knowledge and belief. I also undertake to abide by the rules and other condition prescribed to conduct the training programme at Sarvajani College of Engg. & Tech., Surat.

Place:

Date: (Signature) _____

Patron

Dr. Hiren Patel
Principal, SCET

Coordinator(s)

Dr. Dhruvi Sharma
Assistant Professor
Information Technology Department,
SCET.

Dr. Vivaksha Jariwala
Associate Professor
Information Technology Department,
SCET.

Important Dates

STTP Dates: 25/10/2021-29/10/2021

Last date of application: 22/10/2021

Notification of Acceptance: 23/10/2021

(By E-mail only)

Address for Correspondence

Information Technology Department, SCET

E-mail: dhruvi.sharma@scet.ac.in

vivaksha.jariwala@scet.ac.in

GUJCOST Sponsored



5-Days Online STTP On Recent Trends in Information Security and Privacy

25th October - 29th October 2021

Organized By:
Information Technology Department

Coordinated by
Dr. Dhruvi Sharma
Dr. Vivaksha Jariwala



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Sarvajani College of Engineering & Technology
Constituent Institute of Sarvajani University
Dr. R. K. Desai Marg, Athwalines, Surat-395001
Ph. No. 0261-2240146-148
Website: <http://www.scet.ac.in>

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About STTP

The STTP is aimed to equip the participants with the knowledge of the current research issues in the area of Information Security and Privacy.

The indicative topics – not necessarily limited to these only - that may be covered during the course are as follows:

- Introduction to data security and privacy, the issues and solutions
- Security Issues in constrained environment.
- Introduction to IoT, IoE, and Security Protocols
- Social Networks with Security and privacy approaches
- Network On Chip (NOC) and its Security
- Security and Privacy of machine learning
- Security Threats to E-Commerce

Eligibility

Faculty members/ Students from technical institutes all over the India are invited to participate.

Registration Fees

The STTP is online. There is no registration fee.

STTP Schedule

Sr No	Date/Time	09:30 AM - 10:30 AM	10:45 AM - 11:45 AM	12:00 PM - 01:00 PM	02:00 PM - 3:00 PM
1.	25th October 2021 (Monday)	Introduction to information security and privacy <i>Dr. Vivaksha Jariwala</i>	Cryptographic approaches to attain information security and privacy <i>Dr. Shweta Bhandari</i>	Non-Cryptographic approaches for privacy preservation and its application in data publishing <i>Dr. Kamal Macwan</i>	Lab Session – 1 Scyther: A security protocol verification tool <i>Ms. Hiral Trivedi</i>
2.	26th October 2021 (Tuesday)	Wireless Sensor Networks (WSN), Characteristics, Typical Configurations, Deployment, Models <i>Dr. Saurabh Kumar</i>	Security Issues in WSNs, Attack Models, DoS Attacks, Countering Approaches, Innetwork Processing <i>Dr. Kaushal Shah</i>	Privacy Preserving Secure Data Aggregation in WSNs <i>Dr. Kaushal Shah</i>	Lab Session – 2 Simulation and profiling of IoT protocols on Cooja simulator. <i>Mr. Himanshu Patel</i>
3.	27th October 2021 (Wednesday)	Introduction to Internet of Things(IoT), Attacks and Remedies <i>Dr. Nishant Doshi</i>	Authentication Protocols in IoT <i>Dr. Nishant Doshi</i>	Design of Lightweight Authentication Protocols using Physically Unclonable Functions for Internet-of-Things <i>Dr. Urbi Chatterjee</i>	Smartphone security: Myths vs Reality <i>Dr. Vineeta Jain</i>
4.	28th October 2021 (Thursday)	Privacy & Security in Online Social Networks <i>Dr. P. Kumaraguru</i>	Privacy & Security in Online Social Networks <i>Dr. P. Kumaraguru</i>	Data Mining - Issues and Implications <i>Dr. Mita Parikh</i>	Stress Management <i>Prof. Apurva Mandalayawala</i>
5.	29th October 2021 (Friday)	Location Based privacy <i>Dr. Ruchika Gupta</i>	Network On Chip (NOC) and its Security <i>Dr. Ruchika Gupta</i>	Block Chain security <i>Dr. J Sathish Kumar</i>	Feedback

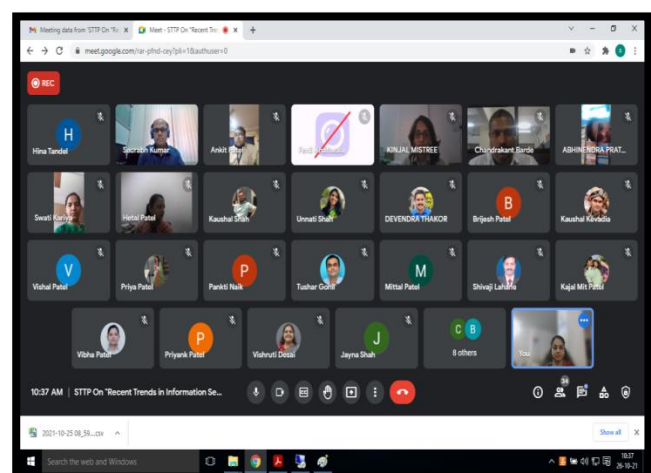
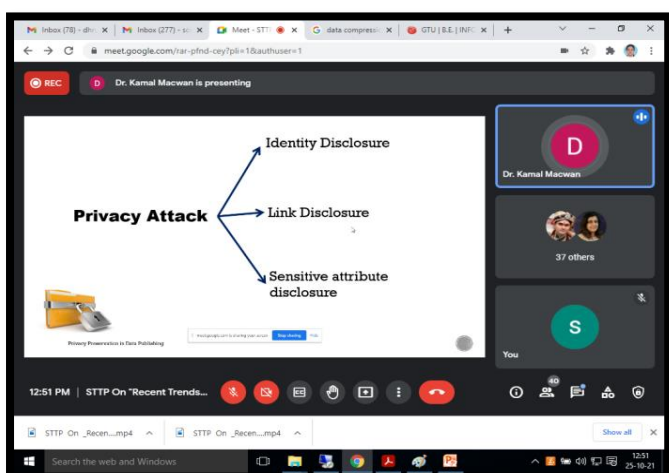
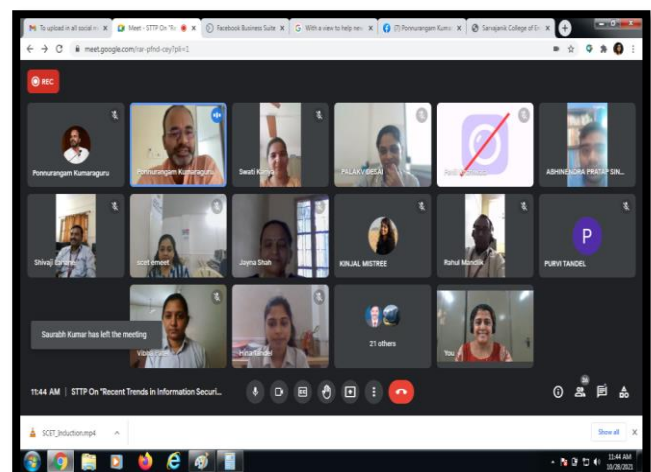
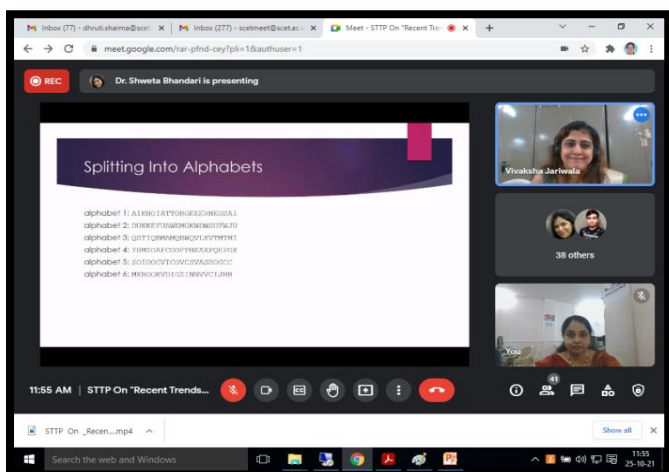
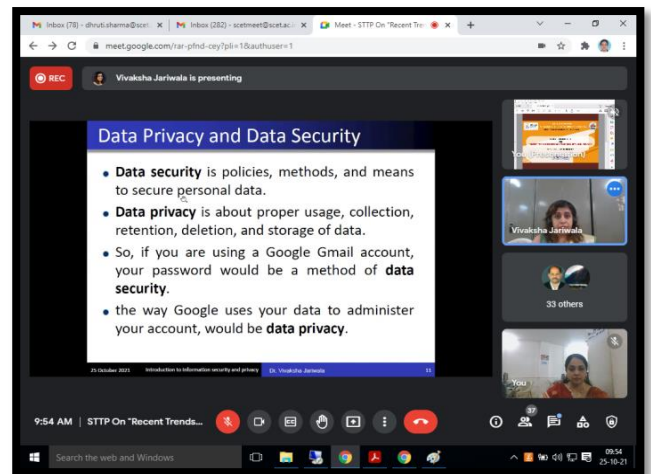
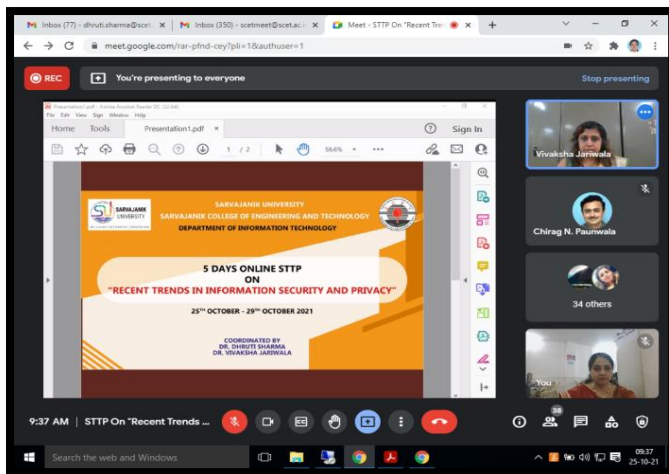
Speakers Details

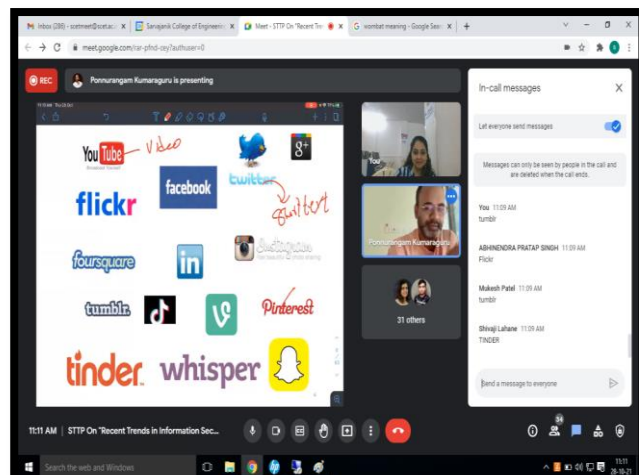
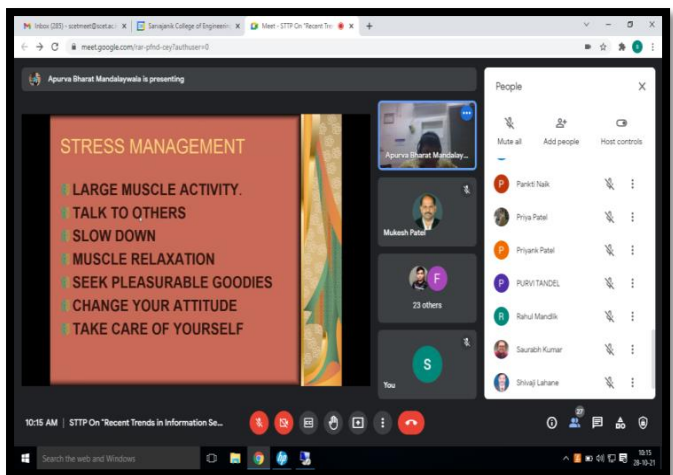
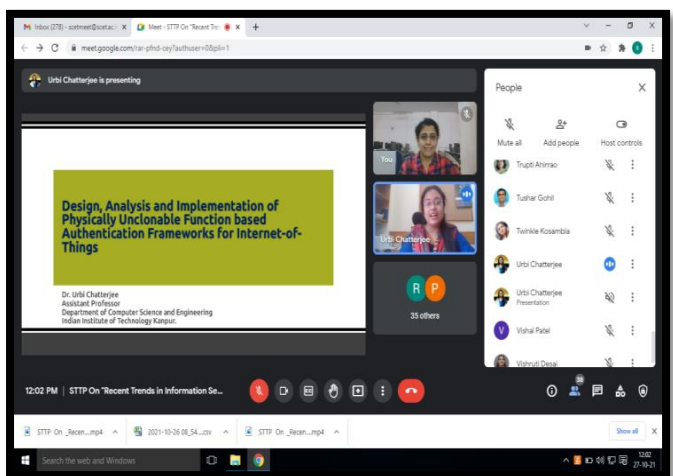
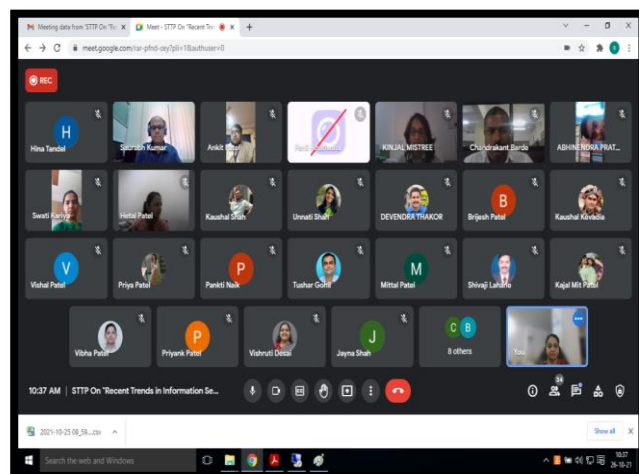
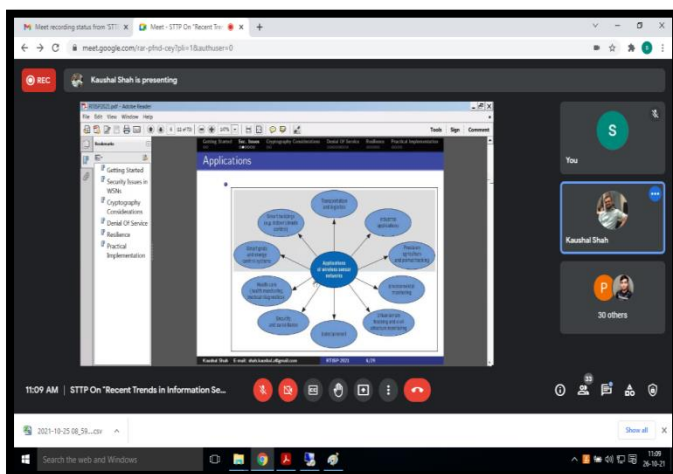
- 1) **Dr. P. Kumaraguru**, Professor, Indian Institute of Information Technology (IIIT), Hyderabad, Telangana.
- 2) **Dr. Nishant Doshi**, Associate Professor, Computer Engineering Department, Pandit Deendayal Energy University(PDEU), Gandhinagar, Gujarat.
- 3) **Dr. Urbi Chatterjee**, Assistant Professor, Department of Computer Science and Engineering, Indian Institute of Technology(IIT), Kanpur, Uttar Pradesh.
- 4) **Dr. Kaushal Shah**, Assistant Professor, Computer Engineering Department, Pandit Deendayal Energy University(PDEU), Gandhinagar, Gujarat.
- 5) **Dr. J Sathish Kumar**, Assistant Professor, Computer Science and Engineering, National Institute of Technology(NIT), Allahabad, Uttar Pradesh.
- 6) **Dr. Saurabh Kumar**, Assistant Professor, Department of Computer Science & Engineering, LNM Institute of Information Technology(LNMIIT), Jaipur, Rajasthan
- 7) **Dr. Shweta Bhandari**, Assistant Professor, Department of Computer Science & Engineering, LNM Institute of Information Technology(LNMIIT), Jaipur, Rajasthan
- 8) **Dr. Vineeta Jain**, Assistant Professor, Department of Computer Science & Engineering, LNM Institute of Information Technology(LNMIIT), Jaipur, Rajasthan
- 9) **Dr. Kamal Macwan**, Assistant Professor, Department of Computer Science & Engineering, Nirma University, Ahmedabad, Gujarat.
- 10) **Dr. Ruchika Gupta**, Postdoctoral Research Fellow, Indian Institute of Technology(IIT), Guwahati, Aasam.

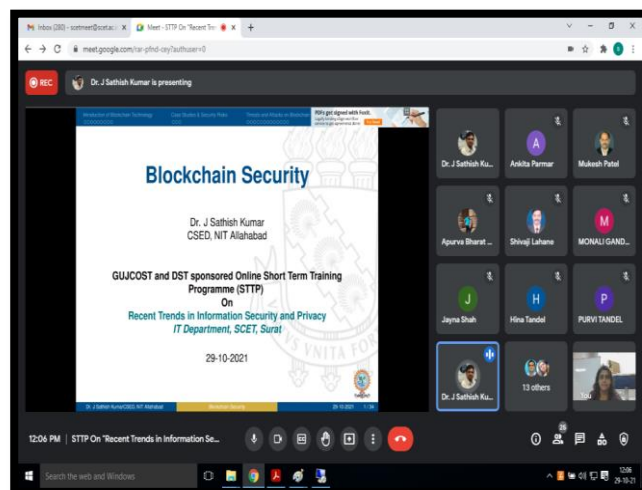
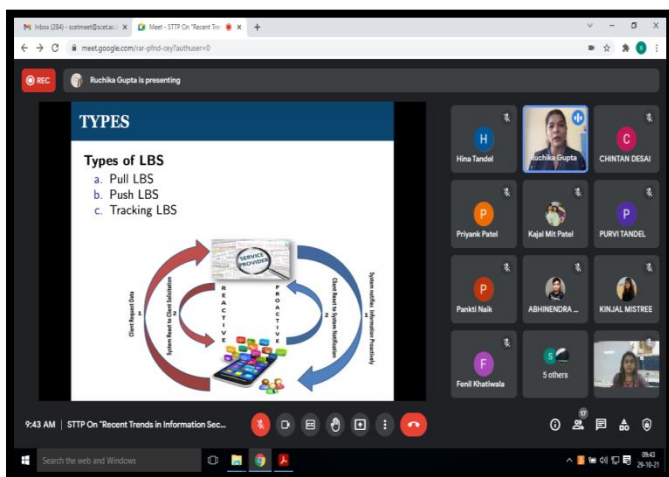
Registration Details

There were 73 participants from the various reputed institutes from across the country such as LNM Institute of Information Technology (Jaipur), G H Raisonni Institute of Business Management(Jalgaon), R. H. Sapat College of Engineering Management Studies and Research (Nashik), Parul University (Vadodara), C.K.Pithawala College of Engineering and technology (Surat), Vadodara Institute of Education and Research (Vadodara), SVM institute of technology(Bharuch), Chhotubhai Gopalbhai Patel Institute of Technology (CGPIT) (Bardoli), GIDC College (Navsari), P.P. Savani University (Surat), R.N.G. Patel Institute of Technology(Bardoli). Almost all participants are of faculty members.

Glimpse of the STTP

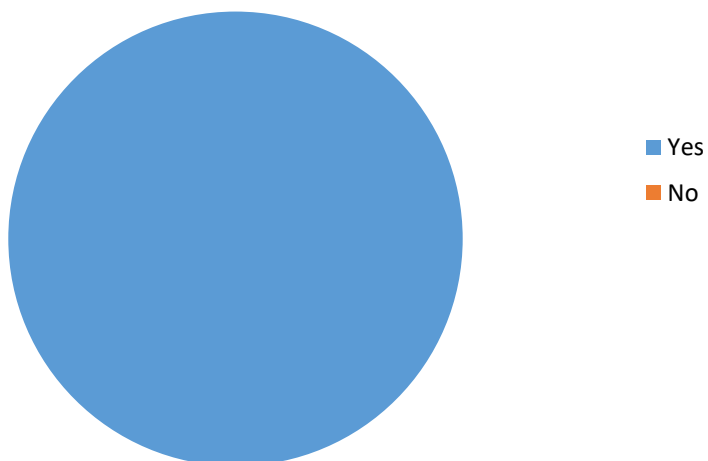




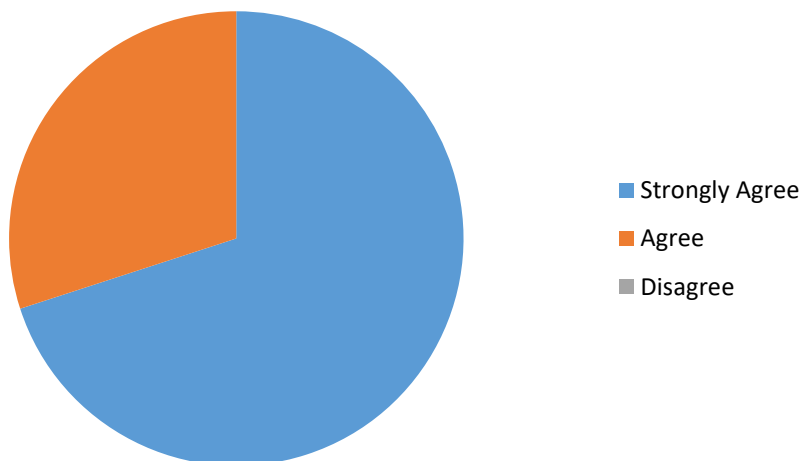


Feedback from Participants

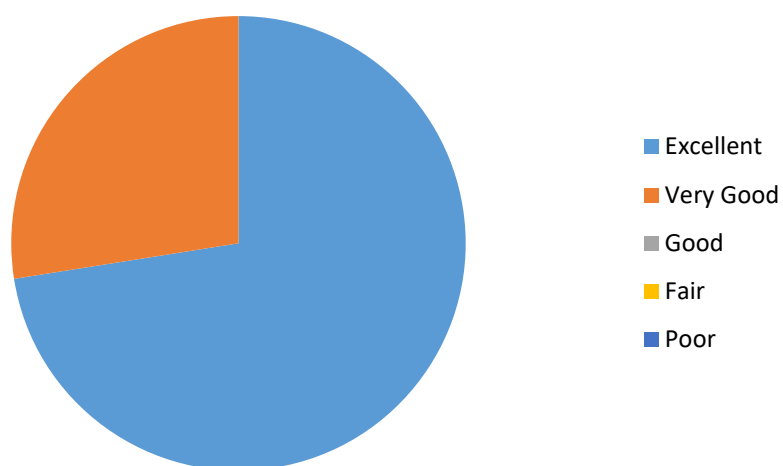
Does the content of sessions revelent to the STTP area?



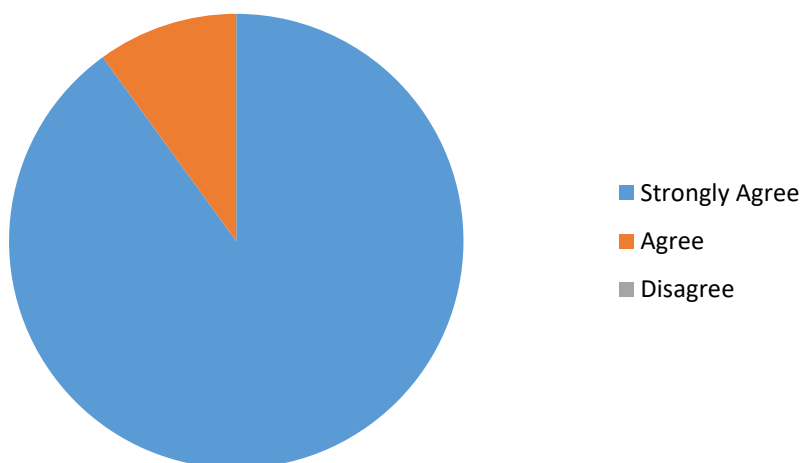
The course contents met with your expectations



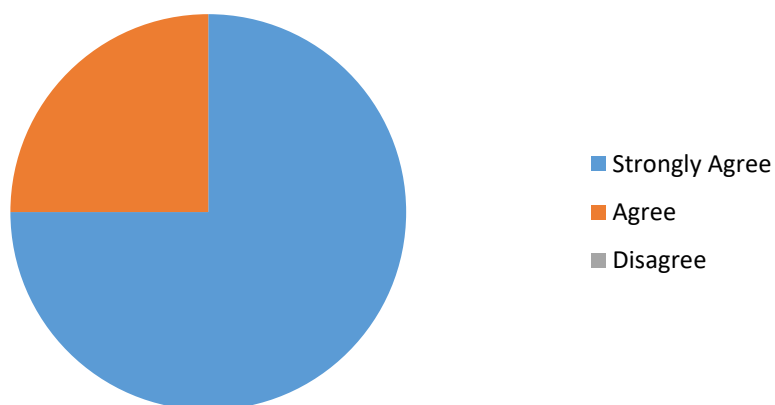
The level of the course was



The lectures were clear and easy to understand



The course exposed you to new knowledge and practices



Acknowledgement

We would like to extend our sincere gratitude to Sarvajanic College of Engineering and Technology for permitting us to submit STTP proposal to GUJCOST and subsequently providing necessary arrangements for conducting the online STTP after receiving STTP approval from GUJCOST.

We are thankful to our honourable principal Dr. Hiren Patel for his continuous guidance and support. We are also thankful to Dean R&D, Dr. Chirag Paunwala for his support. We would also like to thank our HOD Dr. Mita Parikh for encouraging us to organize such a technical program for faculties.

Our heartiest thank to Gujarat Council on Science and Technology (GUJCOST), Department of Science & Technology, (DST) and Govt. of Gujarat for their financial support to organize this Short Term Training Program.

We extend our gratitude towards all the invited speakers for sharing their knowledge and throwing lights on to the recent research topics in the field of Information Security and Privacy.

We also thank to all the teaching as well as non-teaching staff members of IT department for their self-less support.