



**Swami Keshvanand Institute of Technology,
Management & Gramothan**



**A Report of the
One Week Student Workshop on Internet of Things (IoT)
(November 7-12, 2022)**

Jointly Organized By

**Department of Electronics & Communication Engineering
and**

**Department of Computer Science & Engineering
(Under the Aegis of Center of Excellence-IoT, SKIT, Jaipur)**

In Association With:

Enovate Skills, NITTTR Campus, Chandigarh

CSIR-IMMT: InTEC, Bhubaneswar



Event Coordinators

**Dr. Praveen Kumar Jain, Mr. Ankit Agarwal, Ms. Pooja Choudhary, Mr. Pallav Rawal
Ms. Anjana Sangwan, Ms. Priyanak Sharma, Ms. Rashmi Dadheech**

Faculty-Coordiators



Dr. Praveen Kumar Jain
Professor, ECE-SKIT
Email: pkjain@skit.ac.in



Ms. Anjana Sangwan
Asso. Professor, CSE-SKIT
Email: anjana@skit.ac.in



Mr. Ankit Agarwal
Asso. Professor, ECE-SKIT
Email : ankit.agarwal@skit.ac.in



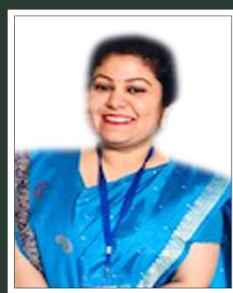
Mr. Pallav Rawal
Associate Professor, ECE-SKIT
Email: pallav@skit.ac.in



Ms. Pooja Choudhary
Assistant Professor, ECE-SKIT
Email : pooja.choudhary@skit.ac.in



Ms. Priyanka Sharma
Assistant Professor, CSE-SKIT
Email: priyanka.sharma@skit.ac.in



Ms. Rashmi Dadhich
Assistant Professor, CSE-SKIT
Email: rashmi.dadhich@skit.ac.in

Student-Coordiators

Ayushi Khandal (B.Tech III Sem - CSE)

Arushi Bansal (B.Tech III Sem - CSE)

Aryan Gupta (B.Tech III Sem – CSE)

Ayush Garg (B.Tech III Sem – CSE)

Gaurav Sharma (B.Tech V Sem-CE)

Muskan Goyal (B.Tech V Sem - CSE)

Nitya Singh (B.Tech V Sem - CSE)

Navya Gupta (B.Tech V Sem - CSE)

Nidhi Yadav (B.Tech V Sem - CSE)

Piyush Jain (B.Tech V Sem - CSE)

Table of Content

| Particular(s) | Page No(s) |
|---|------------|
| 1. About Workshop | 4 |
| 2. Workshop Outcomes | 5 |
| 3. Approval Letter | 6 |
| 4. Workshop Outcomes and Program Outcomes Mapping | 7 |
| 5. Call for Registration | 8 |
| 6. About Invited Speaker and their consent | 9-14 |
| 7. Poster of the Workshop | 15 |
| 8. Schedule | 16 |
| 9. Glimpses (Day Wise with Participant Feedback) | 17-28 |
| 10. Media Coverage | 29 |
| 11. Technical Report | 30-31 |
| 12. Sample Certificates | 32 |
| 13. Attainment of Outcomes | 33 |
| 14. List of Participants | 34-48 |

About Workshop

Internet of Things (IoT) is the inter-networking of physical devices, vehicles, buildings, and other items, embedded with electronics, software, sensors, actuators, and network connectivity that enable these objects to collect and exchange data. By learning the inter-connection and data exchange, Students can create their own IoT Networks with connected devices and can access it from anywhere in the world.

The Internet of Things is expected to emerge as a huge business opportunity for the Indian IT industry in the years ahead. The expansion of IoT in the country is expected to be spurred by several developments:

- ❖ The proliferation of sensors, which will work with an ever growing number of intelligent systems and applications.
- ❖ The Indian Government's plan of developing 100 smart cities in the country, for which Rs. 7,060 crore has been allocated in the current budget.
- ❖ The launch of the Digital India Program of the Government, which aims at 'transforming India into a digitally empowered society and knowledge economy.
- ❖ The Indian IT industry has an opportunity to provide software applications, services and analytics related to IoT over the next few years.

This workshop aims to provide the knowledge and experience on the fast growing field of IoT to the participants. Practical understanding of how Arduino Uno & Raspberry Pi work and thorough clarity on the Internet of Things will be provided to participants.

Workshop Outcomes

After completion of this workshop, participants will be able to:

WO1: Understand building blocks of Internet of Things and their applications.

WO2: Use Arduino and Raspberry Pi module in the implementation of the basic projects.

WO3: Realize the revolution of Internet in Mobile Devices, Cloud & Sensor Networks.

The workshop outcomes is mapped with the program outcomes indicators of UG engineering program. The matrix is shown as follows:

| WO | Bloom's Level | PO Indicators | PSO Indicators |
|------------|---------------|--|--|
| WO1 | L2 | 1.1.1, 1.2.1, 1.3.1, 1.4.1, 12.1.1,12.1.2, 12.2.1, 12.2.2, 12.3.1, 12.3.2 | 1.1.1, 1.1.2, 1.1.4, 1.2.1, 1.2.2 |
| WO2 | L3 | 1.1.1, 1.2.1, 1.3.1, 1.4.1, 2.1.1, 2.1.2, 2.2.1, 2.2.2, 2.2.4, 2.3.1, 2.4.1, 2.4.2, 3.1.1, 3.1.2, 3.1.3, 3.1.4, 3.2.1, 3.2.2, 3.2.3, 3.3.1, 3.4.1, 5.1.1, 5.1.2, 5.2.1,5.2.2, 2.4.4, 12.1.1,12.1.2, 12.2.1, 12.2.2, 12.3.1, 12.3.2 | 1.1.1, 1.1.2, 1.1.4, 1.2.1, 1.2.2, 2.1.1, 2.1.2, 2.2.1 |
| WO3 | L4 | 1.1.1, 1.2.1, 1.3.1, 1.4.1, 2.1.1, 2.1.2, 2.2.1, 2.2.2, 2.2.4, 2.3.1, 2.4.1, 2.4.2, 3.1.1, 3.1.2, 3.1.3, 3.1.4, 3.2.1, 3.2.2, 3.2.3, 3.3.1, 3.4.1, 5.1.1, 5.1.2, 5.2.1,5.2.2, 2.4.4, 12.1.1,12.1.2, 12.2.1, 12.2.2, 12.3.1, 12.3.2 | 1.1.1, 1.1.2, 1.1.4, 1.2.1, 1.2.2, 2.1.1, 2.1.2, 2.2.1 |

Approval Letter

ECE Deptt. Proposed Events to be Organize in the Session 2022-2023

| Sr. No. | Type of Event | Title | Mode | Dates | Name of Coordinators | Any Collaboration | Budget Required |
|---------|--------------------------|--|---------|------------------|--|-----------------------------|------------------------|
| 1 | International Conference | Recent Advances in Electronics and Communication Technologies (RAECT-2022) | Hybrid | 10-11 Feb 2023 | Dr. Mukesh Arora | - | 1,00,000/- |
| 2 | Lecture Series | Recent trends in Electronics and Communication 2.0 | Hybrid | 10-14 Oct, 2022 | Ms. Kiran Rathi Ms. Suman Sharma Dr. Monika Mathur Dr. Vikas Pathak | - | 25000/- |
| X | Lecture Series | Emerging Trends in Electronics Engineering (ETEE-2023) | Hybrid | March 6-10, 2023 | Mr. Neeraj Jain Mr. Rahul Pandey Mr. Abhinandan Jain Mr. Sunil Lakawat Mr. Lalit Lata | - | 25000/- <i>Mukesh</i> |
| 4 | Workshop | Internet of Things | Hybrid | 7-12 Nov. 2022 | Dr. Praveen K Jain Ms. Anjana Sangwan Mr. Ankit Agarwal Ms. Pooja Choudhary Ms. Rashmi Dadhich, Ms. Priyanka Sharma Mr. Pallav Rawal | CS Department, SKIT | 25000/- |
| 5 | Workshop | Signal Processing using Python and MATLAB | Hybrid | 16-21 Jan, 2023 | Dr. Monika Mathur, Ms. Kiran Rathi, Mr. Harshal Nigam, Dr. Shubhi Jain, Ms. Rajni Idwal Mr. J. P. Vijay | - | 25,000/- |
| 6 | FDP | SCILAB | Online | 5-17 Dec. 2022 | Ms. Priyanka Sharma Ms. Rajni Idwal | Spoken Tutorial, IIT Bombay | Nil |
| 7 | FDP | Smart Electronics and Materials (FDP-SEM) | Hybrid | 21-25 Nov. 2022 | Dr. Rukhsar Zafar Dr. Swati Arora Ms. Manju Choudhary Ms. Pooja Choudhary | - | 50,000/- |
| X | FDP | Mentoring skills, Counseling and guidance for faculties | Offline | 19-23 Dec. 2022 | Ms. Suman Sharma, Ms. Kiran Rathi, Ms. Namarata Saxena, Mr. Dinesh Verma | - | 50,000/- <i>Mukesh</i> |

→ Funds may be conducted in accordance to budget approved under head training & travel yes permitted and approved conditionally for financial approval.
Mukesh
 28.9.22

Approved
Mukesh
 MOD-ECE
 19/10/2022

WO-PO/PSO Mapping Using Performance Indicators (PIs)

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO 1 | PSO 2 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|-------|-------|
| WO1 | 3 | - | - | - | - | - | - | - | - | - | - | 3 | 3 | - |
| WO2 | 3 | 3 | 3 | - | - | - | - | - | - | - | - | 3 | 3 | 3 |
| WO3 | 3 | 3 | 3 | - | - | - | - | - | - | - | - | 3 | 3 | 3 |
| WO | 3 | 3 | 3 | - | - | - | - | - | - | - | - | 3 | 3 | 3 |

WO-PO/PSO Mapping: Formulation and Justification

The WO-PO/PSO mapping is based on the correlation of workshop outcome (WO) with Program Outcome Indicators. These indicators are the breakup statements of broad Program Outcome statement.

The correlation is calculated as number of correlated indicators of a PO/PSO mapped with WO divided by total indicators of a PO/PSO. The calculated value represents the correlation level between a WO & PO/PSO.

Detailed formulation and mathematical representation can be seen below in equation :

Input: WO_i : The i^{th} workshop outcome

PO_j : The j^{th} Program Outcome

I_{jk} : The k^{th} indicator of the j^{th} Program Outcome

$\alpha(I_{jk}, WO_i)$: level of WO-PO/PSO mapping

$=1$, if, $0 < \alpha < 0.33$

$= 2$, if, $0.33 \geq \alpha < 0.66$

$= 3$, if, $0.66 \geq \alpha < 1$

λ : Degree of correlation

$\alpha I_{jk}, WO_i = \text{count}(\lambda I_{jk}, WO_i) / \text{count } I_{jk}, PO_j$

Call for Registration



**Swami Keshvanand Institute of Technology,
Management and Gramothan, Jaipur**



Department of Electronics and Communication Engineering

&

Department of Computer Science Engineering

Jointly Present

One Week Student Workshop (Hybrid Mode) on

Internet of Things (IoT)

Under the Aegis of Centre of Excellence-IoT, SKIT, Jaipur

In Association With:

Ennovate Skills, NITTTR Campus, Chandigarh

InTec-IMMT-CSIR, Bhubaneswar



7th - 12th November 2022



01:30 pm - 3:30 pm



workshop_student@skit.ac.in

Register Here :



shorturl.at/goSW9

Event Coordinators:

Dr. Praveen Kr. Jain (ECE)
Mr. Ankit Agarwal (ECE)
Ms. Pooja Choudhary (ECE)

Ms. Anjana Sangwan (CSE)
Ms. Priyanka Sharma (CSE)
Ms. Rashmi Dadheech (CSE)



<https://www.skit.ac.in/>



SKIT, Jagatpura, Jaipur

Call for Registration

Dear All,

Greetings from SKIT, M & G, Jaipur !!

We are pleased to inform you that the Departments of Electronics and Communication Engineering and Computer Science & Engineering jointly organizing One Week Student Workshop (Hybrid Mode) on “Internet of Things “ under the aegis of Centre of Excellence-IoT, SKIT M&G, Jaipur scheduled from 07th- 12th , November 2022.

There are no registration fees.

Registration Link: shorturl.at/goSW9

Join the WhatsApp group for further updates:

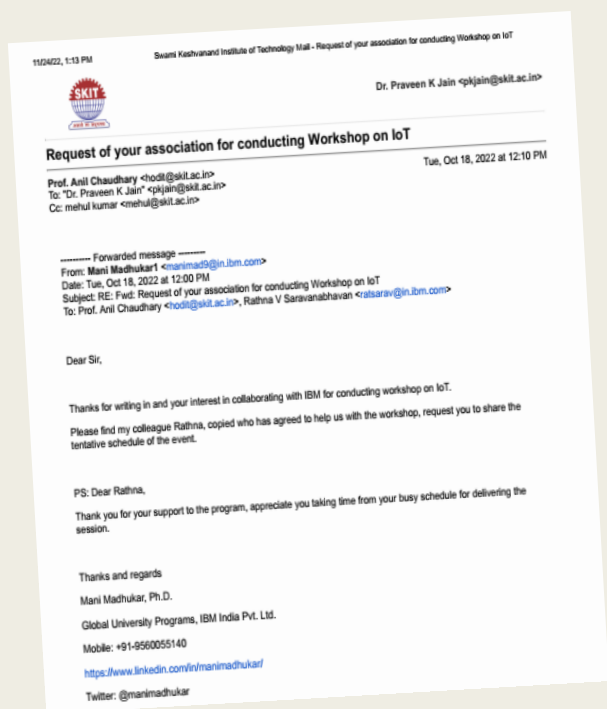
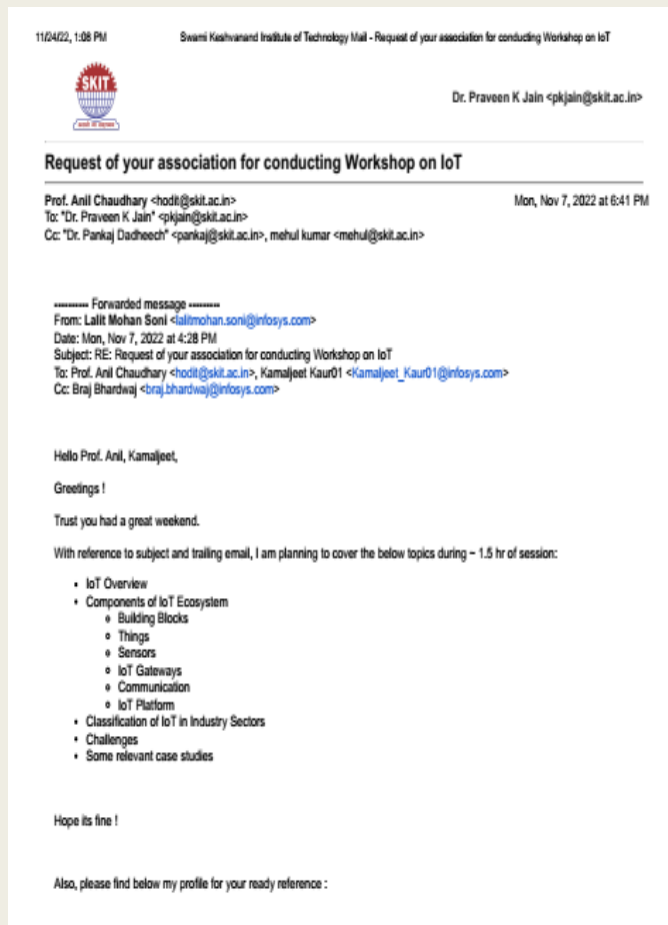
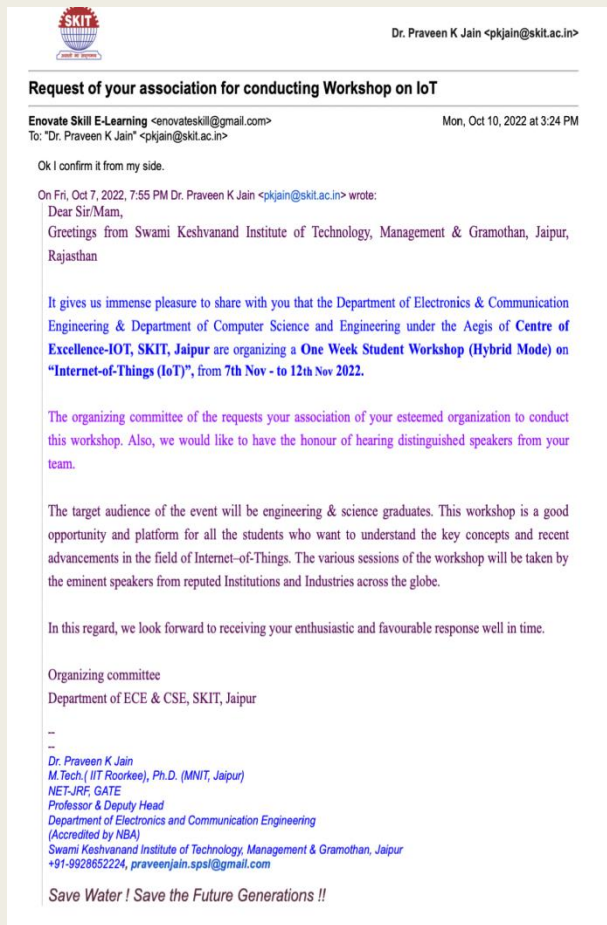
<https://chat.whatsapp.com/LoRrtjaw7KR6nrmIJ8wvOUA>

Certificate in hard copy will be provided to those who will attend the session and submit feedback on the lecture. For further queries contact us at: workshop_ece@skit.ac.in

Regards

Coordinators: Workshop –IoT

Consent from Speakers



About Speakers



Mr. Ajay Godara

Founder & CEO, Enovate Skills, Chandigarh

- Innovator, founder & CEO at Enovate Skill NITTTR, Chandigarh start-up. Techno_preneur, Mentor of Change at NITI AYOOG G.O.I.
- He has a vast experience of design, development & deployment of IoT platform from smart home to Smart Factory. He has delivered more than 100 talks and workshop on National Platform and taken many expert session on ICT based workshop at NITTTR, Chandigarh.
- He is a Mechanical engineer with thorough hands-on experience of developing and deploying IoT solutions using a variety of technologies.
- His articles has been published in many reputed magazines and EFY is one of them. Currently he is working on smart village project.

About Speakers



Mr. Lalit Mohan Soni **Principal & Lead (Mining), Infosys**

- ❖ Professional Mining Engineer with over 16 years of diverse experience in the Mining industry.
- ❖ Currently working as Principal Consultant with Infosys and leading the mining team.
- ❖ Associated with the IoT practice at engineering service unit and focus on operational, digital & technology transformation for multiple clients.
- ❖ Has rich experience in Mine Planning, resource and reserve estimation as per JORC/SAMERC codes, Resource and pit optimization, 3-D Modeling, Project Planning, Digital Transformation, process & operation management.
- ❖ Worked on various international assignments on various commodities across the globe.

About Speakers



Rathna V Saravanabhavan
Cloud Solution Architect, IBM

- ❖ Cloud Solution Architect with 19+ years of IT Experience in Cloud Computing Architecture, IoT, Enterprise Application Architecture and Integration Architecture, Solution Architecture, Content Management and Client-Server Technologies.
- ❖ Diverse expertise in defining architectures and providing technical design and end to end solutions for Network management Systems(NMS/EMS) of Storage and Telecommunication smart devices, Large Financial Applications (Banking/ Insurance) and Supply Chain projects.
- ❖ Involved in framework design. Expertise in IBM Cloud/Bluemix , Java, JEE, Web Technologies, Spring, Hibernate, JMS, Rest Web-services, Oracle, DB2, Agile with Discipline, AD 2.0 and Scrum.

About Speakers



Dr. Satyajit Rath,
Principal Scientist – Head-CNeM,
CSIR-IMMT, Bhubaneswar

- ❖ Dr. Satyajit Rath, started his career as a Software Professional with M/s Geo-Informatics, Bhubaneswar.
- ❖ In April 2008 Dr. Rath joined CSIR-Institute of Minerals and Materials Technology (IMMT), Bhubaneswar. As a Sr. Scientist and Head of Computer Networking & e-Management Cell, he is leading software related project consultancy and IT applied research in the allied field of Decision Support Expert system; Decision Analysis & Prediction Modelling; Process Simulation and Modelling; Digital Image Analysis; Geomatics & Remote Sensing.
- ❖ As a faculty under AcSIR, he is actively involved in teaching computer allied subjects in PhD programs being conducted at IMMT. He has three patents and one copyright to his credit. In addition to research career currently he is the CPIO and Nodal officer, National Knowledge Network at IMMT. As a Rotarian he is also actively involved in several flagship social activities in and around the BBSR City.

Department of Electronics & Communication Engineering
and

Department of Computer Science & Engineering

STUDENT WORKSHOP

Internet of Things (IoT)

(Under the Aegis of Center of Excellence - IoT, SKIT, Jaipur)

In Association With:

Enovate Skills, Chandigarh

CSIR-IMMT: InTEC, Bhubaneswar

Eminent Speakers



MR. AJAY GODARA

CEO, Enovate Skills,
Chandigarh



DR. SATYAJIT RATH

Principal Scientist and Head-CNeM,
CSIR-IMMT, Bhubaneswar



MS. RATHNA V SARAVANABHAVAN

Technical Solution Architect, IBM



MR. LALIT MOHAN SONI

Principal Consultant, Infosys Jaipur



07th-12th November 2022

Event Coordinators:

**Dr. Praveen Kr. Jain, Mr. Ankit Agarwal, Ms. Pooja Choudhary, Mr. Pallav Rawal
Ms. Anjana Sangwan, Ms. Priyanka Sharma, Ms. Rashmi Dadheech**

For more information contact us: workshop_student@skit.ac.in

Schedule of Workshop

| Date and Day | Time | Eminent Speaker |
|--------------------------|-------------------------------|---|
| 07.11.2022 (Monday) | 9:30 am -11:30 am | Mr. Ajay Godara, Mentor of Change (NITI Ayog, G.O.I) and CEO -Enovate Skill, Chandigarh |
| 08.11.2022 (Tuesday) | 9:30 am – 11:00 am | Mr. Ajay Godara, Mentor of Change (NITI Ayog, G.O.I) and CEO -Enovate Skill, Chandigarh |
| | 11:30 am – 1:00 pm | |
| | 1:00 pm – 2:30 pm | |
| 08.11.2022 (Tuesday) | 9:30 am – 11:00 am | Mr. Ankit Agarwal, SKIT |
| | 11:30 am – 1:00 pm | Mr. Yogendra Gupta, SKIT |
| | 1:00 pm – 2:30 pm | Mr. S. Sarabjeet Singh, SKIT |
| 10.11.2022 (Thursday) | 11:00 am-12:30 pm | Mr. Lalit Mohan Soni Principal Consultant, Infosys, Jaipur |
| 11.11.2022 (Friday) | 9:30 am- 11:00 am (Online) | Ms. Ratna Saravanabhavan V & Mr. Raghu Ramaswamy Solution Architect, IBM |
| 12.11.2022 (Saturday) | 11:30 am- 1:00 pm (Online) | Dr. Satyajit Rath Principal Scientist and Head-CNeM CSIR-IMMT, Bhubneswar |
| 12.11.2022 (Saturday) | 1:15 pm- 1:45 pm (Online) | Dr. Satyajit Rath (Chief Guest) |

Minute to Minute Program of the Inaugural Ceremony (7th November 2022)

| Time (AM) | Activity |
|------------|--|
| 9:00-9:02 | Lamp Lighting |
| 9:02-9:05 | Floral Welcome + Memento presentation |
| 9:05-9:10 | Welcome Addresses by Prof. S. L. Surana, Director (Academics) |
| 9:10-9:20 | About the Workshop by Prof. Anil Choudhary, Head-IT, SKIT |
| 9:20-9:30 | Address by Chief Guest (Mr. Ajay Godara) |
| 9:30-9:35 | Vote of Thanks- Prof. Mukesh Arora, Head-OFA & ECE, SKIT |
| 9:35-9:40 | Group Photo |

Glimpses of the Inaugural Ceremony

07th November 2022, 9:00 AM at Gyan Mandir, SKIT



Lamp Lighting by Dignitaries



Dignitaries on Dias



Floral Welcome of Mr. Ajay Godara by Dr. S. L. Surana



Memento Presentation to Mr. Ajay Godara by Dr. Anil Choudhary



Welcome Address by Dr. S. L. Surana



Details of Workshop by Dr. Anil Choudhary



Group Photograph



Students Participation

Glimpses of the 1st Day Session

07th November 2022, 10:00 AM at Gyan Mandir, SKIT



Invited Speaker:

**Mr. Ajay Godara, Mentor of Change (NITI AYOJ, G.O.I)
CEO-Enovate Skill, Chandigarh**

Glimpses of the 2nd Day Session

08th November 2022, 9:00 AM at IAI Lab, SKIT

19



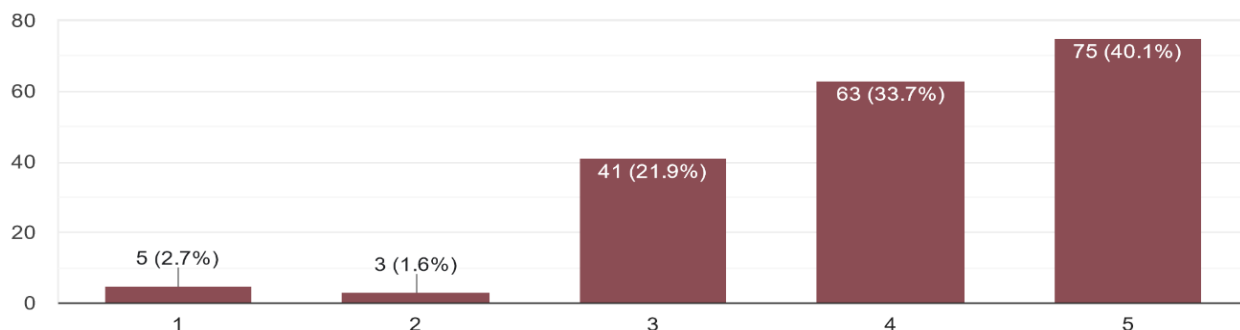
Invited Speaker:

**Mr. Ajay Godara, Mentor of Change (NITI AYOG, G.O.I)
CEO-Enovate Skill, Chandigarh**

Day-1 and Day-2 Feedback Analysis

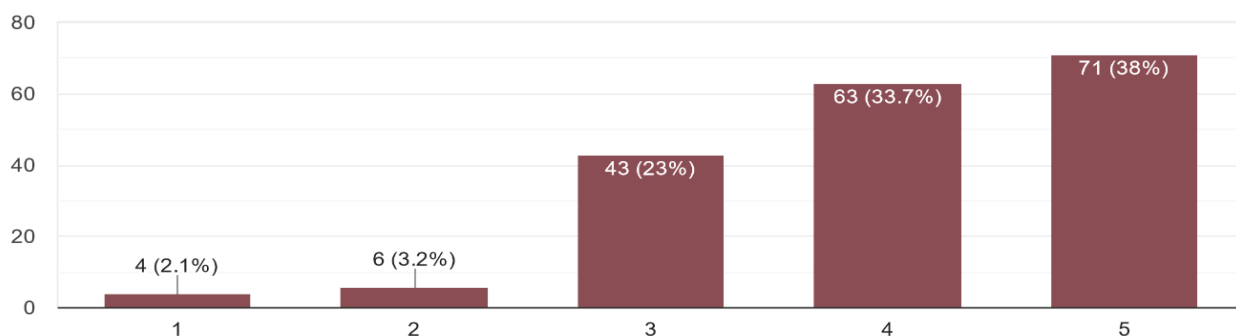
1. Your experience about the today's session

187 responses



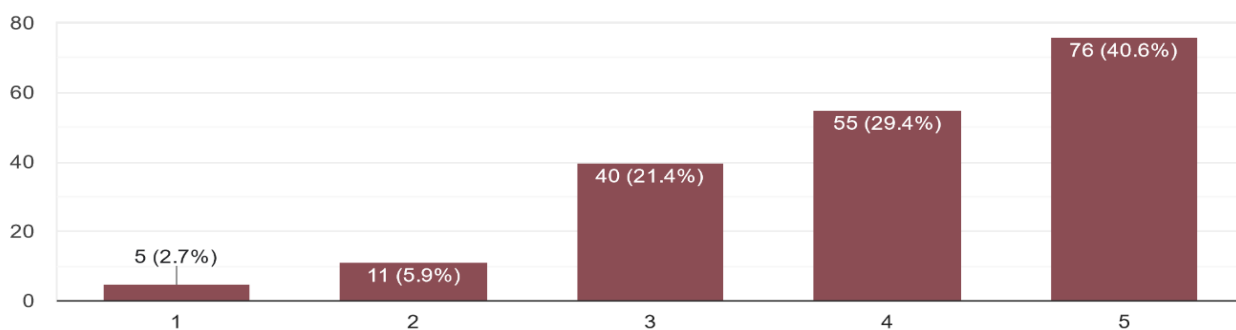
2. Knowledge Enhancement

187 responses



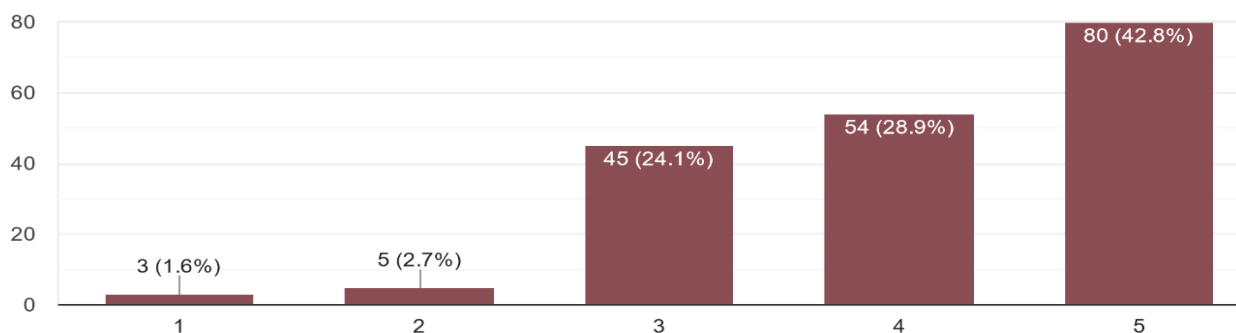
3. Relevancy of topics

187 responses



4. About speakers of Workshop

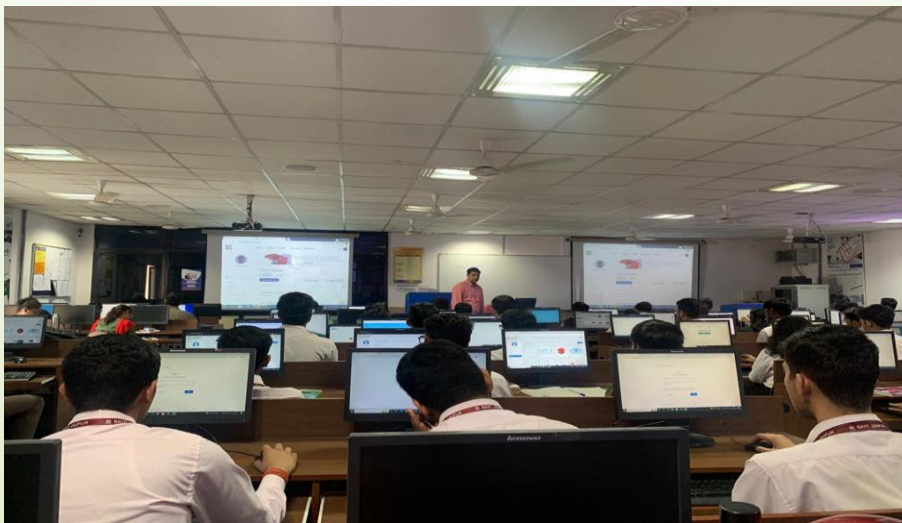
187 responses



Glimpses of the 3rd Day Session

09th November 2022, 9:00 AM at IAI Lab, SKIT

21



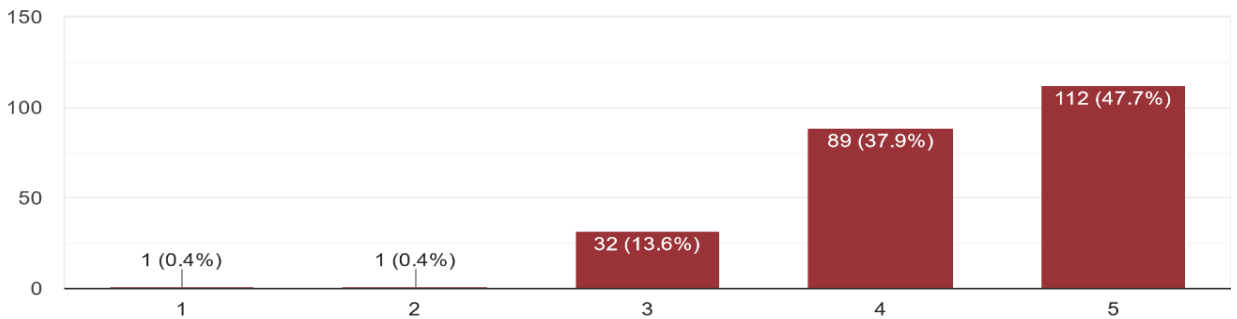
Invited Speaker:

Mr. Ankit Agarwal, Mr. Yogendra Gupta, Mr. S. Sarabjeet Singh,
SKIT, Jaipur

Day-3 Feedback Analysis

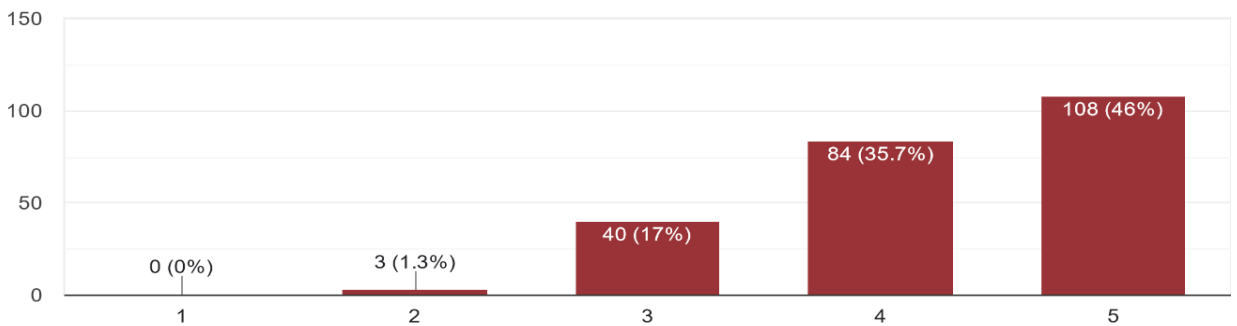
1. Your experience about the today's session

235 responses



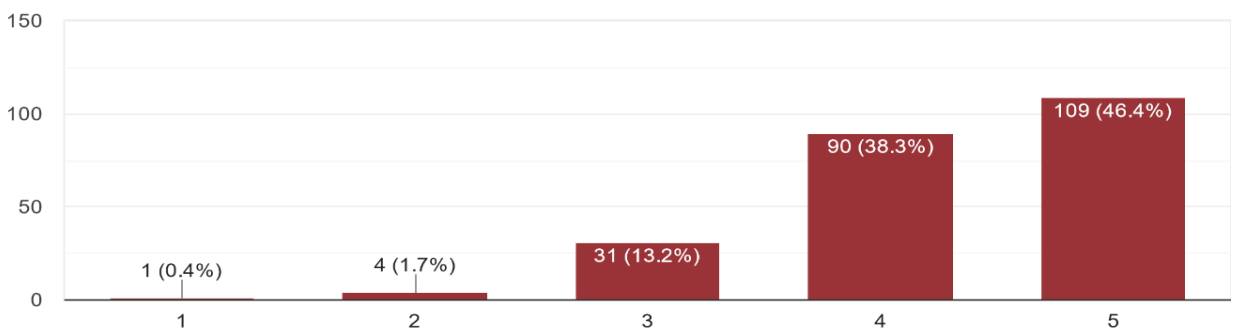
2. Knowledge Enhancement

235 responses



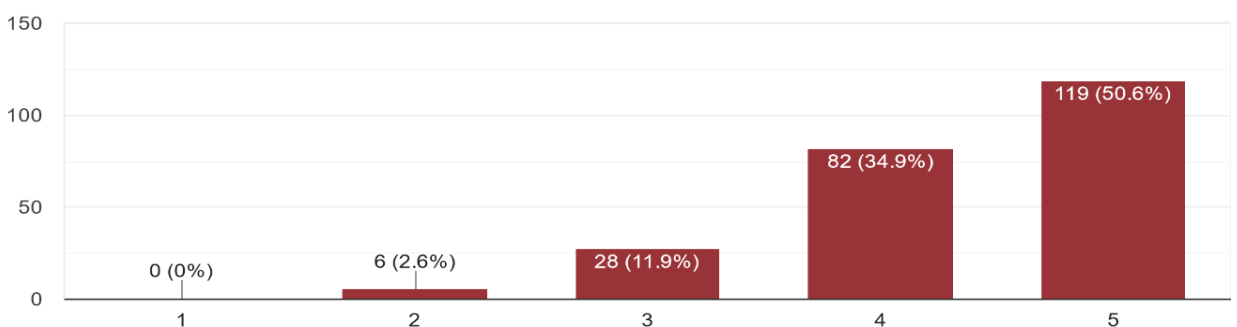
3. Relevancy of topics

235 responses



4. About speakers of Workshop

235 responses



Glimpses of the 4th Day Session

10th November 2022, 9:00 AM at Gyan Mandir Auditorium, SKIT



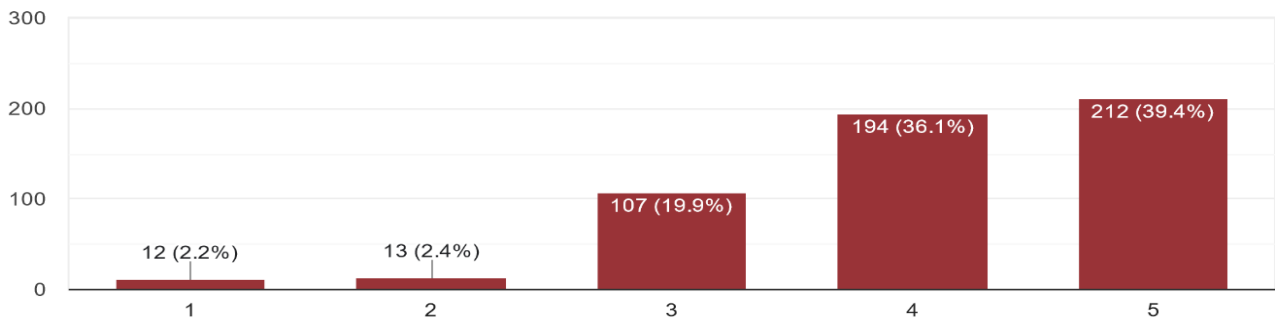
Invited Speaker:
Mr. Lalit Mohan Soni, Principal & Lead (Mining), Infosys

Day-4 Feedback Analysis

24

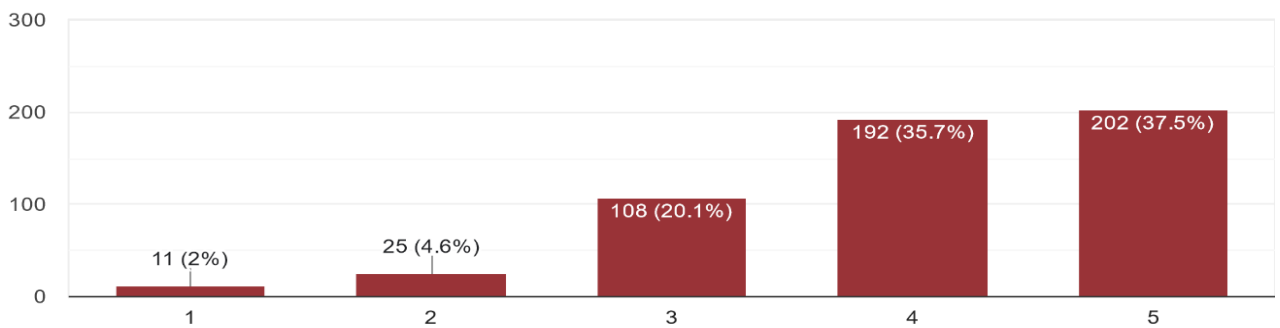
1. Your experience about the today's session

538 responses



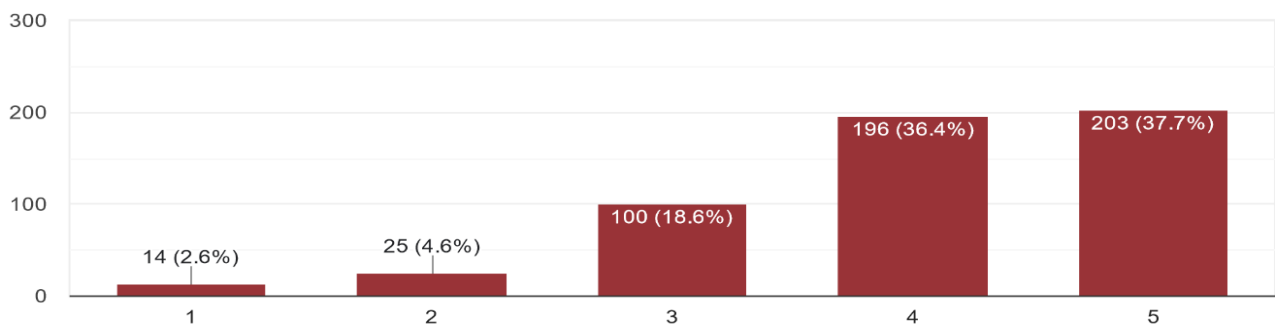
2. Knowledge Enhancement

538 responses



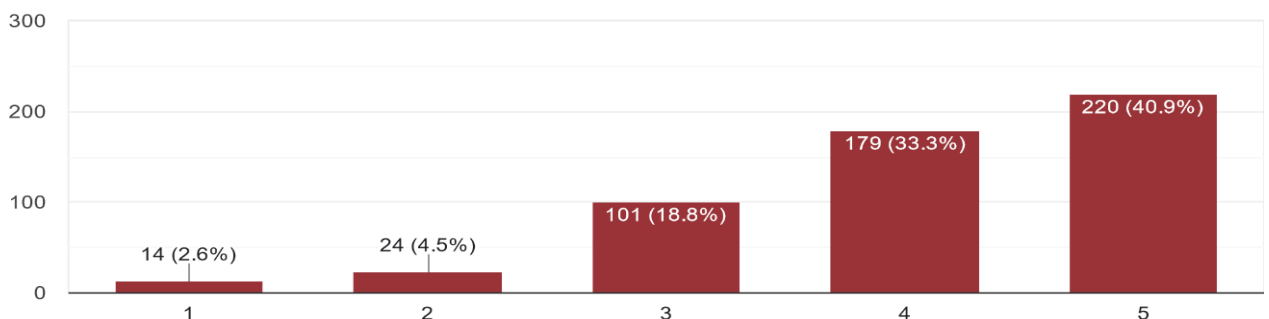
3. Relevancy of topics

538 responses



4. About speakers of Workshop

538 responses



Glimpses of the 5th Day Session

11th November 2022, 9:30 AM (Online using Cisco-Webex Platform)

Webex interface showing the session content table and participant list. The content table lists 8 items, including Session and Class Introduction, Introduction to IoT, Key Trends and Statistics, Value, Benefit and Challenges, Solution Components, Industry Use Cases and Case Studies, Product Demo, and Conclusions. The participant list shows 137 attendees, including Dr. Praveen Jain, Ankit Agarwal, Raghu Ramaswamy, Anil Chaudhary, Anjana Sangwan, MEHUL MAHRISHI, Pooja Choudhary, Priyanka Sharma, and Rathna Saravanabhavan.

| # | Topic | Date & Time |
|---|---|--------------------------|
| 1 | Session and Class Introduction – 5 mins | |
| 2 | Introduction to IoT – 10 mins | Date : 11-Nov-2022 |
| 3 | Key Trends and Statistics – 5 mins | |
| 4 | Value, Benefit and Challenges – 10 mins | Duration & Time : 1.5 hr |
| 5 | Solution Components – 20 mins | 9:30 to 11:00 |
| 6 | Industry Use Cases and Case Studies – 15 mins | Q&A : 15 mins |
| 7 | Product Demo – 15 mins | |
| 8 | Conclusions – 10 mins | |

Webex interface showing the IoT Use Case by Industry diagram and participant list. The diagram illustrates various industries including Manufacturing, Health Care, Automotive, Logistics & Supply Chain, Retail, and Smart Building. The participant list shows 239 attendees, including Dr. Praveen Jain, Ankit Agarwal, Raghu Ramaswamy, Anil Chaudhary, Anjana Sangwan, MEHUL MAHRISHI, Pooja Choudhary, Priyanka Sharma, and Rathna Saravanabhavan.

Webex interface showing the Gartner quote and participant list. The quote states: "The Internet of Things (IoT) is the network of physical objects that contain embedded technology to communicate and sense or interact with their internal states or the external environment." The participant list shows 260 attendees, including Dr. Praveen Jain, Ankit Agarwal, Raghu Ramaswamy, Anil Chaudhary, Anjana Sangwan, MEHUL MAHRISHI, Pooja Choudhary, Priyanka Sharma, and Rathna Saravanabhavan.

Webex interface showing a line graph and participant list. The graph displays data points over time, with a peak in the middle. The participant list shows 152 attendees, including Dr. Praveen Jain, Ankit Agarwal, Raghu Ramaswamy, Anil Chaudhary, Anjana Sangwan, MEHUL MAHRISHI, Pooja Choudhary, Priyanka Sharma, and Rathna Saravanabhavan.

Webex interface showing the Substation Inspection video and participant list. The video is titled "Substation Inspection – IBM, National Grid and Boston Dynamics" and shows a high-voltage power substation. The participant list shows 237 attendees, including Dr. Praveen Jain, Ankit Agarwal, Raghu Ramaswamy, Anil Chaudhary, Anjana Sangwan, MEHUL MAHRISHI, Pooja Choudhary, Priyanka Sharma, and Rathna Saravanabhavan.

Invited Speaker:

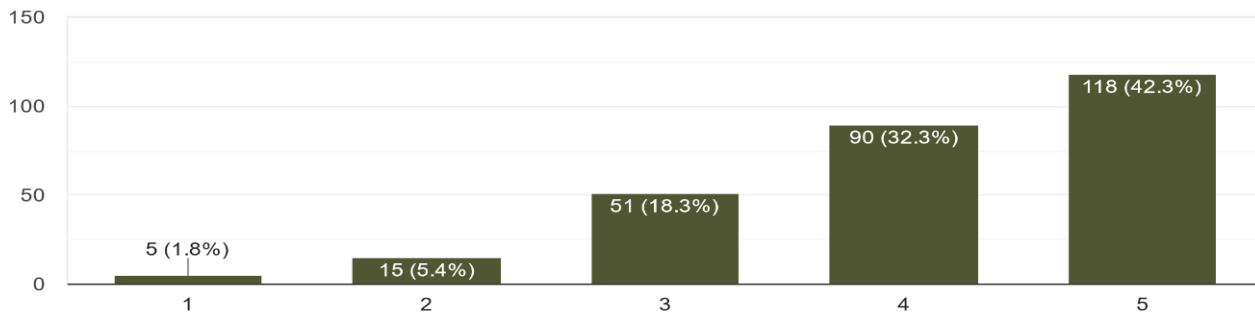
Ms. Ratna Saravanabhavan V & Mr. Raghu Ramaswamy
Solution Architect, IBM

Day-5 Feedback Analysis

26

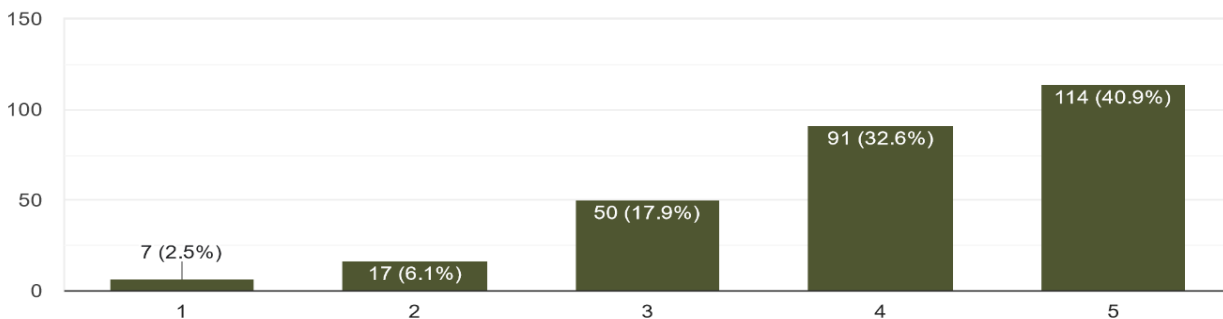
1. Your experience about the today's session

279 responses



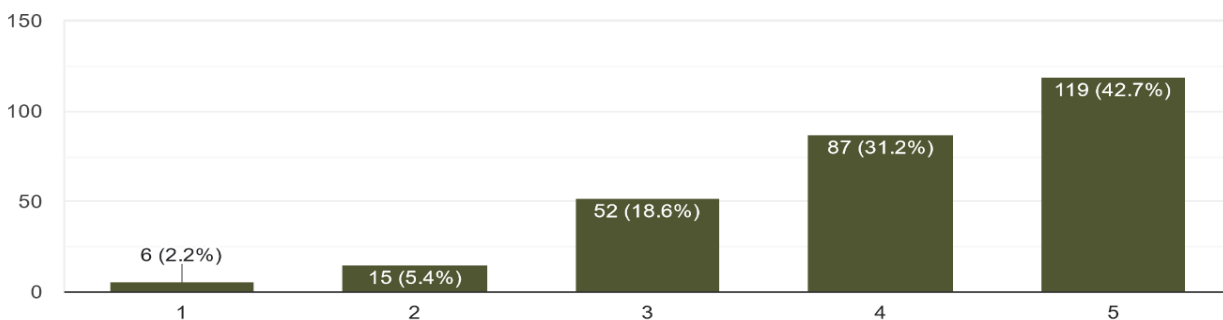
2. Knowledge Enhancement

279 responses



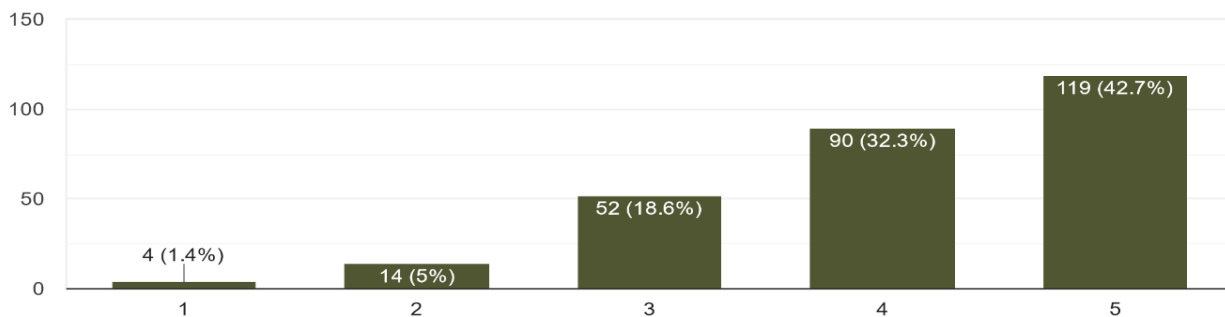
3. Relevancy of topics

279 responses



4. About speakers of Workshop

279 responses




12th November 2022, 11:00 AM (Online, using Cisco-Webex Platform)

12th November 2022, 11:00 AM (Online, using Cisco-Webex Platform)

Webinars | Files | Edit | Share | View | Audio & Video | Participant | Event | Window | Help

Dr. Praveen Jain
Host


Dr. Praveen Jain
Host

Ankit Agarwal
Host


Ankit Agarwal
Host

Viewing Satyaji Rath's screen

51%

Data Growth

85% of growth from new types of data with Machine generated data increasing 15x



2012
Digital universe = 201 Terabytes

2014
31% of enterprises managing more than 1 Petabyte

2040
Digital universe will increase by 160 Terabytes

Participants (334)

Search

Participants (3)

- Dr. Praveen Jain
- Ankit Agarwal
- Satyaji Rath
- Ankit Agarwal
- Dr. Praveen Jain
- Pooja Choudhary
- Priyanka Sharma
- Rashmi Dadvich

Attendees (328 total, 1 displayed)

View all attendees...


CCIR - INSTITUTE OF MINERALS AND MATERIALS TECHNOLOGY
Ranchi-834 002, Jharkhand, INDIA

www.iimr-ccir.in

Unmute | Start video | Share

Windows Events | File | Edit | Share | View | Audio & Video | Participants | Event | Window | Help

Dr. Praveen Jain
Host


Dr. Pankaj Dasche...

Arkit Agarwal
Guest

Arkit Agarwal
Guest

Layout

Participants (322)

Panels (5)

Dr. Praveen Jain
Host

Arkit Agarwal
Guest

Satyajit Rath
Guest

Arkit Agarwal
Guest

Dr. Pankaj Dadheech
Guest

Pallav Rawal
Guest


Pooja Choudhary
Guest

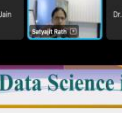
Priyanka Sharma
Guest

Rashmi Dadhich
Guest

Attendees (233 total, 2 displayed)

[View all attendees...](#)


CSIR - INSTITUTE OF MINERALS AND MATERIALS TECHNOLOGY
Bhopal campus - 462 015, Bhopal, India



www.intellect.vee.in

Unmute

Start video

Share

Close

Participants

Chat

Webinars Events | File | Edit | Share | View | Audio & Video | Participant | Event | Window | Help

Dr. Praveen Jain

100

Dr. Pratik Dashe...

100

Ankit Agarwal

100

Ankit Agarwal

100

Viewing Satyajit Rath's screen

51%

Machine Learning

The diagram illustrates the Machine Learning process flow. It starts with 'Machine Learning' at the top, which branches into 'Supervised' and 'Unsupervised'. 'Supervised' further branches into 'Regression' (with sub-points: Linear, Polynomial, Decision Tree, Random Forest) and 'Classification' (with sub-points: KNN, Trees, Logistic Regression, Naïve Bayes, SVM). 'Unsupervised' branches into 'Clustering' (with sub-points: DB, PCA, K-Means) and 'Association analysis' (with sub-points: Apriori, FP-growth). 'Clustering' and 'Association analysis' are grouped under 'Continuous', while 'Classification' and 'Association analysis' are grouped under 'Categorical'.

CSIR - INSTITUTE OF MINERALS AND MATERIALS TECHNOLOGY

Ph: 0422-2510323, Durgam, Jaipur

www.iitmr.csir.ri

Participants (312)

Search

Participants (0)

Dr. Praveen Jain

100

Ankit Agarwal

100

Satyajit Rath

100

Ankit Agarwal

100

Dr. Pratik Dashe...

100

Pallav Rawal

100

Pooja Choudhary

100

Priyanka Sharma

100

Rashmi Dadich

100

Attendees (205 total, 2 displayed)

View all attendees...

Participants

Chat

Dr. Satyajit Rath, Principal Scientist and Head-CNeM
CSIR-IMMT, Bhubneswar

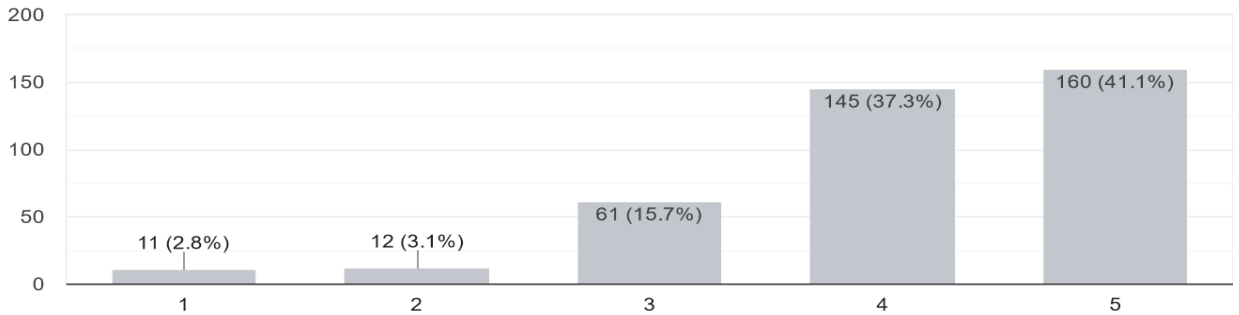
CSIR-IMMT, Bhubneswar

Day-6 Feedback Analysis

29

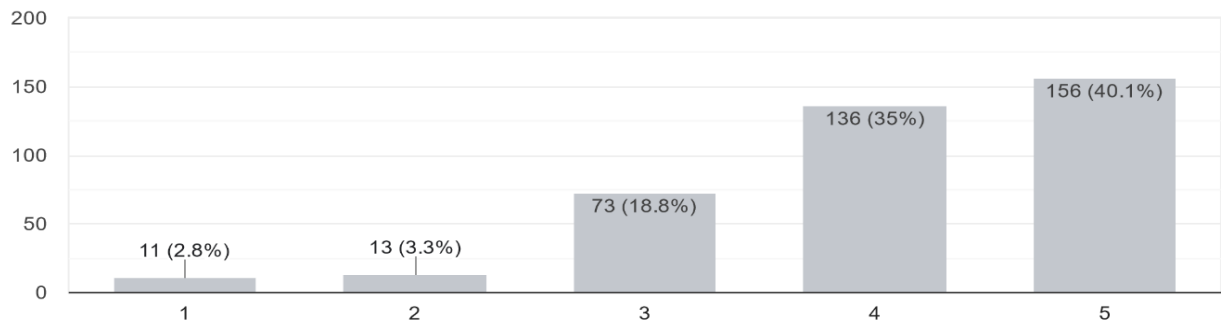
1. Your experience about the today's session

389 responses



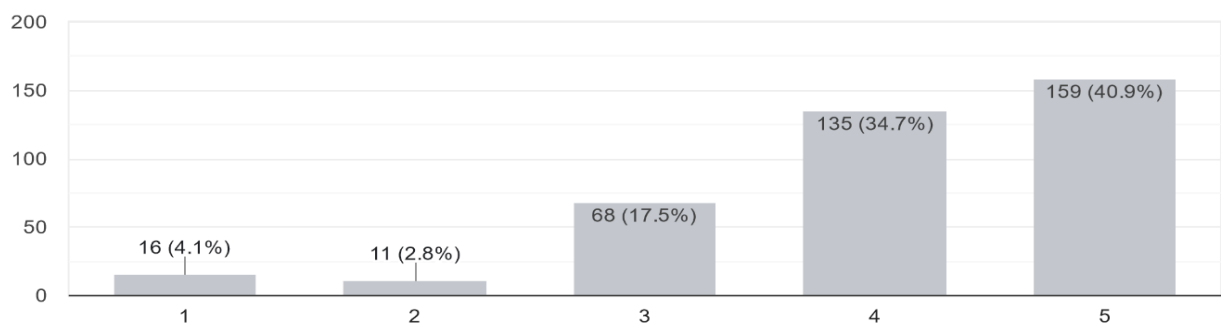
2. Knowledge Enhancement

389 responses



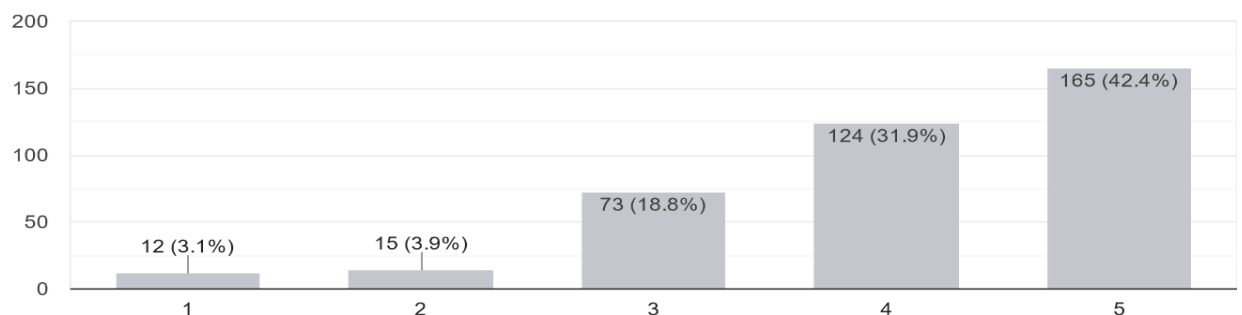
3. Relevancy of topics

389 responses



4. About speakers of Workshop

389 responses



साप्ताहिक कार्यशाला का उद्घाटन

खबरों की दुनिया

जयपुर। स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी द्वारा इंटरनेट ऑफ थिंग्स पर विद्यार्थी केंद्रित एक सप्ताह की कार्यशाला का उद्घाटन किया गया। यह कार्यशाला इलेक्ट्रॉनिक्स और संचार विभाग तथा कंप्यूटर विज्ञान इंजीनियरिंग विभाग द्वारा संयुक्त रूप से इनोवेट स्किल्स, चंडीगढ़ और सीएसआईआर-आईएमएमटी-आईएनटेक भुवनेश्वर के सहयोग से आयोजित की गई थी।

उद्घाटन समारोह के मुख्य अतिथि श्री अजय गोदारा, सीईओ-इनोवेट स्किल, चंडीगढ़ थे। उन्होंने बताया कि आईओटी तकनीक द्वारा समाज के बढ़ते डिजिटलीकरण और डेटाफिकेशन को कई नवीन और शानदार तरीकों से तेज किया जा रहा है। इंटरकनेक्टेड चीजों के इन नेटवर्क से सेल्फ-ड्राइविंग वाहन, रोबोट असेंबली लाइन और दूरस्थ

चिकित्सा उपकरण बनाना मुमकिन हुआ है, जो चिकित्सकों को सर्जरी करने और रोगियों का निदान करने में सक्षम बनाता है। उन्होंने विनिर्माण उपकरण, संपत्ति और स्थिति प्रबंधन के नेटवर्क नियंत्रण और प्रबंधन पर भी प्रकाश डाला, तकनीक में नेटवर्किंग मशीनरी, सेंसर और नियंत्रण प्रणाली का उपयोग कर के विभिन्न प्रोडक्ट के उत्पादन प्रक्रिया को अत्यधिक दक्ष बनाया जा सकता है। उद्घाटन कार्यक्रम के शुरुआत में संस्था के डायरेक्टर एकेडमिक्स (प्रो.) डॉ. एस. एल. सुराणा ने अतिथियों का स्वागत किया और डॉ. मुकेश अरोड़ा (विभागाध्यक्ष-ईसीई) ने धन्यवाद प्रस्ताव रखा। डॉ. अनिल चौधरी (विभागाध्यक्ष-आईटी) ने इस कार्यशाला के प्रारूप का विवरण दिया। कार्यक्रम के संयोजक डॉ. प्रवीण कुमार जैन, अंकित अग्रवाल, पूजा चौधरी, पल्लव रावल, अंजना सांगवान, प्रियंका शर्मा, रश्मि दधीच रहे।

तकनीक से हो रहा है बीमारियों का सटीक उपचार



डिजिटलीकरण और डेटाफिकेशन बना रहे हैं जिंदगी को आसान

बेधड़क | उदयपुर

स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी मैनेजमेंट एंड ग्रामोत्थान की ओर से इंटरनेट ऑफ थिंग्स पर एक सप्ताह की कार्यशाला की शुरुआत हुई। यह कार्यशाला इलेक्ट्रॉनिक्स और संचार विभाग तथा कंप्यूटर विज्ञान इंजीनियरिंग विभाग की तरफ से संयुक्त रूप से इनोवेट स्किल्स, चंडीगढ़ और सीएसआईआर-आईएमएमटी-आईएनटेक भुवनेश्वर के सहयोग से आयोजित की गई। उद्घाटन समारोह के मुख्य अतिथि इनोवेट स्किल चंडीगढ़ के सीईओ अजय गोदारा ने समारोह को संबोधित करते हुए कहा कि समाज में बढ़ते डिजिटलीकरण और डेटाफिकेशन को IoT तकनीक नित नए तरीकों से तेज कर रही है। इंटरकनेक्टेड चीजों के इन नेटवर्क से सेल्फ-ड्राइविंग व्हीकल्स, रोबोट असेंबली लाइन और दूरस्थ चिकित्सा

उपकरण बनाना मुमकिन हुआ है, जो डॉक्टरों को सर्जरी में और बीमारियों का सटीक उपचार करने में सक्षम बनाता है। उन्होंने विनिर्माण उपकरण, संपत्ति और नेटवर्क नियंत्रण और प्रबंधन पर भी प्रकाश डाला। IoT तकनीक में नेटवर्किंग मशीनरी, सेंसर और नियंत्रण प्रणाली के इस्तेमाल से डिफरेंट प्रोडक्ट्स के प्रोडक्शन प्रोसेस को ज्यादा दक्ष बनाया जा सकता है।

कार्यक्रम की शुरुआत में संस्था के डायरेक्टर एकेडमिक्स, प्रो डॉ एसएल सुराणा ने प्रोग्राम में आए अतिथियों का स्वागत किया। ईसीई विभागाध्यक्ष डॉ मुकेश अरोड़ा ने धन्यवाद प्रस्ताव रखा, डॉ अनिल चौधरी ने कार्यशाला के प्रारूप का के बारे में बताया। कार्यक्रम संयोजक डॉ प्रवीण कुमार जैन, अंकित अग्रवाल, पूजा चौधरी, पल्लव रावल, अंजना सांगवान, प्रियंका शर्मा, रश्मि दधीच रहे।

इंटरनेट ऑफ थिंग्स पर कार्यशाला आयोजित हुई

जयपुर। स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी, मैनेजमेंट एंड ग्रामोत्थान की ओर से इंटरनेट ऑफ थिंग्स पर विद्यार्थी केंद्रित एक सप्ताह की कार्यशाला का उद्घाटन किया गया। कार्यशाला इलेक्ट्रॉनिक्स और संचार विभाग तथा कंप्यूटर विज्ञान इंजीनियरिंग विभाग द्वारा संयुक्त रूप से इनोवेट स्किल्स, चंडीगढ़ और सीएसआईआर-आईएमएमटी-आईएनटेक भुवनेश्वर के सहयोग से आयोजित की गई थी। मुख्य



अतिथि अजय गोदारा, सीईओ-इनोवेट स्किल चंडीगढ़ थे। संस्था के डायरेक्टर एकेडमिक्स (प्रो.) डॉ. एस. एल. सुराणा ने अतिथियों का स्वागत किया और डॉ. मुकेश अरोड़ा (विभागाध्यक्ष-ईसीई) ने धन्यवाद प्रस्ताव रखा।

Technical Report of Workshop

One week workshop on Internet of Things was inaugurated by Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur on 7th November 2022. This workshop was jointly organized by Departments of Electronics & Communication Engineering and Computer Science & Engineering (Under the agis of Centre of excellence-IOT, SKIT) in association with Enovate Skills, Chandigarh and CSIR-IMMT: InTEC Bhubaneswar. The coordinator of the events were Dr. Praveen Kumar Jain, Mr. Ankit Agarwal, Ms. Pooja Choudhary, Mr. Pallav Rawal, Ms. Anjana Sangwan, Ms. Priyanka Sharma, Ms. Rashmi Dadheech.

Chief Guest of the inaugural ceremony was Mr. Ajay Godara, CEO-Enovate Skill, Chandigarh. He said that the increasing digitalization and datafication of society is being accelerated in several innovative and spectacular ways by the IoT movement. He also elaborated the Network control and management of manufacturing equipment, assets and situation management, The IoT intelligent systems use networking machinery, sensors and control systems to enable rapid manufacturing of new products, dynamic response to product demands, and real-time optimization of manufacturing production and supply chain networks. Dr. S. L. Surana (Director-Academics) welcome the guest and Dr. Mukesh Arora (Head-ECE) proposed the vote of Thanks. Dr. Anil Choudhary (Head-IT) given the details of the workshop.

In this workshop, First Two days sessions were taken by Mr. Ajay Godara, CEO, Enovate Skills, Chandigarh. First Day, He enlighten the participants with the Basics, Need of IOT, Component of IOT and their application with several examples. Second day, the hands on training on Arduino based IoT using Tinkercad tool was given. 3 to 4 basic projects based on Arduino were demonstrated to students. 3 batches were formed for this hands-on training.

On third day, Further basic projects based on Sensors were presented using Tinkercad. Session were taken by faculty members associated with COE-IOT, SKIT (Mr. Ankit Agarwal, Mr. Yogendra Gupta and Mr. Sarabjeet Singh). Fourth day, Mr. Lalit Mohan Soni, Principal Consultant, Infosys, enlighten the participants with IOT applications and Basics of IOT Cloud.

On Fifth Day, Ms. Ratna Saravanabhavan V & Mr. Raghu Ramaswamy, Solution Architect, IBM take online session on IoT and presented several projects based on IoT. On sixth day, Dr. Satyajit Rath, Principal Scientist and Head-CNeM, CSIR-IMMT, Bhubaneswar delivered online talk on the IoT cloud data security and industrial revolution.

Chief Guest of the valedictory ceremony was Dr. Satyajit Rath , Principal Scientist and Head-CNeM, CSIR-IMMT, Bhubaneswar. He said that the technology is rapidly growing and increasing need of innovation. In next few years IoT enabled devices, vehicles and smart homes will be first choice of the human. They motivated the students for facing new challenges and think innovative ideas and develop these. The workshop report was read by Ms. Ayushi Khandal, (Workshop student coordinator). Ms. Pooja Choudhary (Workshop faculty coordinator) proposed the vote of Thanks.

The student coordinators of the events were Ayushi Khandal (B.Tech III Sem - CSE), Arushi Bansal (B.Tech III Sem - CSE), Aryan Gupta (B.Tech III Sem – CSE), Ayush Garg (B.Tech III Sem – CSE), Gaurav Sharma (B.Tech V Sem-CE), Muskan Goyal (B.Tech V Sem - CSE), Nitya Singh (B.Tech V Sem - CSE), Navya Gupta (B.Tech V Sem - CSE), Nidhi Yadav (B.Tech V Sem - CSE), Piyush Jain (B.Tech V Sem - CSE).

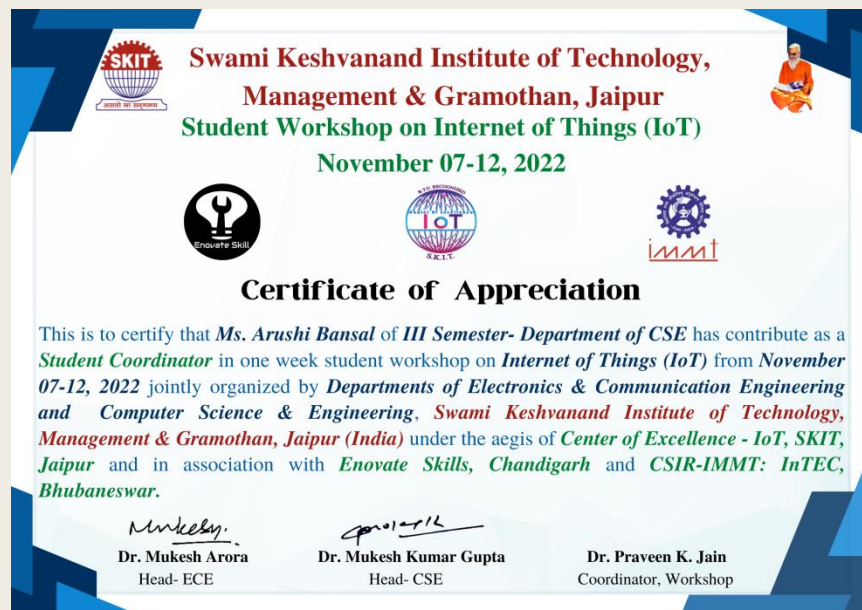
Sample Certificates



Sample Certificate of Resource Persons



Sample Certificate of Faculty Coordinators



Sample Certificate of Student Coordinators



Sample Certificate of Participants

Attainment of Workshop Outcomes and Program Outcomes

The assessment of WOs were done using the direct and indirect methods. The tool used for the direct attainment is the test taken after the completion of the workshop and for the assessment of indirect attainment exit survey of the participants was used.

Direct Attainment is given 80% weight and indirect attainment is given 20% weight

The Attainment Levels have been assessed as per the definitions in table:

| S. No. | Type of Tool | Attainment Level=1 | Attainment Level=2 | Attainment Level=3 |
|--------|-------------------------|--|--|--|
| 1 | Exit Test X[1] | $\geq 60\%$ students Scoring $\geq 60\%$ marks | $\geq 70\%$ students scoring $\geq 60\%$ marks | $\geq 80\%$ students scoring $\geq 60\%$ marks |
| 2 | Exit Survey X[2] | $\geq 60\%$ students attain ≥ 3 | $\geq 70\%$ students attain ≥ 3 | $\geq 80\%$ students attain ≥ 3 |
| 3 | Overall Attainment X[3] | $X [3] = 0.8 * X [1] + 0.2 * X [2]$ | | |

Attainment of Workshop Outcomes

| | Direct Attainment | Indirect Attainment | Overall Attainment |
|-----|-------------------|---------------------|--------------------|
| WO1 | 3 | 3 | 3 |
| WO2 | 3 | 3 | 3 |
| WO3 | 3 | 3 | 3 |
| WO | 3 | 3 | 3 |

Attainment of Program Outcomes

PO attainment by this workshop =

Workshop outcome attainment level x (Mapping weight/3)

| | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO 1 | PSO 2 |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|-------|-------|
| | 3 | 3 | 3 | - | - | - | - | - | - | - | - | 3 | 3 | 3 |

List of Participants

| Participant Name | Student Roll No. | Department | Semester |
|----------------------|------------------|-------------------------------|----------|
| Jai Kumar Bisaria | 21ESKEC030 | Electronics and Communication | 3 |
| Karan sharma | 21ESKEC033 | Electronics and Communication | 3 |
| Bhavesh Agarwal | 21ESKEC019 | Electronics and Communication | 3 |
| Jatin Bhagtani | 21ESKEC300 | Electronics and Communication | 3 |
| Vijay jangid | 21ESKEC073 | Electronics and Communication | 3 |
| Ujjawal sharma | 21ESKEC069 | Electronics and Communication | 3 |
| Himanshu Agarwal | 21ESKEC027 | Electronics and Communication | 3 |
| Abhijeet Agarwal | 21ESKEC004 | Electronics and Communication | 3 |
| Arsh Lakhwal | 21ESKEC015 | Electronics and Communication | 3 |
| Aakash yadav | 21ESKEC001 | Electronics and Communication | 3 |
| Aarohi Malsaria | 21ESKEC002 | Electronics and Communication | 3 |
| Ameen Zehra | 21ESKEC012 | Electronics and Communication | 3 |
| Anmol Gupta | 21ESKEC013 | Electronics and Communication | 3 |
| Lovesh chhabra | 21eskec038 | Electronics and Communication | 3 |
| Richi singh | 21ESKEC054 | Electronics and Communication | 3 |
| Aryan birla | B210957 | Electronics and Communication | 3 |
| Shreya jha | 21ESKEC064 | Electronics and Communication | 3 |
| Deepanshu Khandelwal | 21ESKEC021 | Electronics and Communication | 3 |
| Vanshaj Kataria | 21ESKEC070 | Electronics and Communication | 3 |
| Shivin Shyam Kasat | 21ESKEC063 | Electronics and Communication | 3 |
| Abhijeet Giri | 21ESKEC005 | Electronics and Communication | 3 |
| Naman Tak | 21ESKEC041 | Electronics and Communication | 3 |
| Karishma kumawat | 21ESKEC034 | Electronics and Communication | 3 |
| Anupam jain | 21ESKEC014 | Electronics and Communication | 3 |
| Khushi Rajawat | 21ESKEC035 | Electronics and Communication | 3 |
| Vishal Kumar | 21ESKEC075 | Electronics and Communication | 3 |
| Rohan raj | 21ESKEC052 | Electronics and Communication | 3 |
| Abhishek Kumar | 21ESKEC007 | Electronics and Communication | 3 |
| Varun mathur | 21ESKEC071 | Electronics and Communication | 3 |
| Vikram pal | 21ESKEC074 | Electronics and Communication | 3 |
| Diya Sharma | 21ESKEC024 | Electronics and Communication | 3 |
| Nandani Khandelwal | 21ESKEC042 | Electronics and Communication | 3 |
| Jai Prakash Anand | 21ESKEC031 | Electronics and Communication | 3 |
| Navneet Kaur | 21ESKEC043 | Electronics and Communication | 3 |
| Saurabh Mishra | 21ESKEC059 | Electronics and Communication | 3 |
| Ravi kumar | 21ESKEC051 | Electronics and Communication | 3 |
| Chirag Gurnani | 21ESKEC020 | Electronics and Communication | 3 |
| Snehal Jain | 21ESKEC066 | Electronics and Communication | 3 |

List of Participants

| Participant Name | Student Roll no. | Department | Semester |
|-----------------------|------------------|------------------------|----------|
| Anushka Sharma | 21ESKIT018 | Information Technology | 3 |
| Aditya Pratap Singh | 21ESKIT007 | Information Technology | 3 |
| Harsh Bindal | 21ESKIT051 | Information Technology | 3 |
| Himansh Singh | 21ESKIT055 | Information Technology | 3 |
| Kashish Arora | 21ESKIT061 | Information Technology | 3 |
| Ayushi Katyayan | 21ESKIT029 | Information Technology | 3 |
| Tanmay joshi | 21ESKIT108 | Information Technology | 3 |
| Sumit Sharma | 21ESKIT106 | Information Technology | 3 |
| Vrinda garg | 21ESKIT123 | Information Technology | 3 |
| Garvita Sakhrani | 21ESKIT049 | Information Technology | 3 |
| Lavneesh Kumar Gupta | 21ESKIT064 | Information Technology | 3 |
| Chirag | 21Eskit036 | Information Technology | 3 |
| Diva Bhati | 21ESKIT044 | Information Technology | 3 |
| Vaibhav Singh | 21ESKIT110 | Information Technology | 3 |
| Kartikey sharma | 21ESKIT060 | Information Technology | 3 |
| Param Soni | 21ESKIT079 | Information Technology | 3 |
| Archi Patidar | 21ESKIT020 | Information Technology | 3 |
| Vishwas Vijay Vargiya | 21ESKIT120 | Information Technology | 3 |
| Harshit Kumar Jain | 21ESKIT053 | Information Technology | 3 |
| Kalpana Sharma | 21ESKIT057 | Information Technology | 3 |
| Abhishek gupta | 21ESKIT003 | Information Technology | 3 |
| Vishal Agarwal | 21ESKIT117 | Information Technology | 3 |
| Niharika Singh | 21ESKIT077 | Information Technology | 3 |
| Tarun Saini | 21ESKIT305 | Information Technology | 3 |
| Riya Parakh | 21ESKIT096 | Information Technology | 3 |
| Abhijay Sharma | 21ESKIT002 | Information Technology | 3 |
| Yashasvi Gupta | 21ESKIT125 | Information Technology | 3 |
| Aashi kushwah | 21ESKIT001 | Information Technology | 3 |
| Aditya Singh | 21ESKIT008 | Information Technology | 3 |
| Anjali Gupta | 21ESKIT017 | Information Technology | 3 |
| Aryan sharma | 21ESKIT023 | Information Technology | 3 |
| Arnav Sharma | 21ESKIT021 | Information Technology | 3 |
| Saket jain | 21ESKIT100 | Information Technology | 3 |
| Chetan Singh Rathore | 21ESKIT033 | Information Technology | 3 |
| Sarthak Jain | 21ESKIT103 | Information Technology | 3 |
| Adarsh Sikarwar | 21ESKIT005 | Information Technology | 3 |
| Diksha Aswani | 21ESKIT043 | Information Technology | 3 |

List of Participants

| Participant Name | Student Roll no. | Department | Semester |
|--------------------|------------------|------------------------|----------|
| Kanak Sharma | 21ESKIT058 | Information Technology | 3 |
| Anand Tripathi | 21ESKIT015 | Information Technology | 3 |
| Vanshika Tahalwani | 21ESKIT112 | Information Technology | 3 |
| Payal gupta | 21ESKIT080 | Information Technology | 3 |
| Samyak Jain | 21ESKIT102 | Information Technology | 3 |
| Vishesh singh | 21ESKIT118 | Information Technology | 3 |
| Ritesh saini | 21ESKIT095 | Information Technology | 3 |
| Garvit Khandelwal | 21ESKIT307 | Information Technology | 3 |
| Rishabh Jain | 21ESKIT094 | Information Technology | 3 |
| Verma Devashish | 21ESKIT114 | Information Technology | 3 |
| Tarun Kumar | 21ESKIT109 | Information Technology | 3 |
| Yashpal siyag | 21ESKIT308 | Information Technology | 3 |
| Divit Gautam | 21ESKIT045 | Information Technology | 3 |
| Aditya Mishra | 21ESKIT006 | Information Technology | 3 |
| Mukul Acharya | 21ESKIT303 | Information Technology | 3 |
| Harshvardan Singh | 21ESKIT054 | Information Technology | 3 |
| Prateek sharma | 21ESKIT311 | Information Technology | 3 |
| Pranshul Sukhwal | 21ESKIT082 | Information Technology | 3 |
| Rohit jain | 21ESKIT312 | Information Technology | 3 |
| Yash Gupta | 21ESKIT124 | Information Technology | 3 |
| Avish Raghav | 21ESKIT026 | Information Technology | 3 |
| Priyanka Gupta | 21ESKIT087 | Information Technology | 3 |
| Vivek garg | 21ESKIT121 | Information Technology | 3 |
| Ram | 21ESKIT093 | Information Technology | 3 |
| Avishi Vijay | 21ESKIT027 | Information Technology | 3 |
| Vansh rastogi | 21ESKIT111 | Information Technology | 3 |
| Himanshu Sharma | 21ESKIT309 | Information Technology | 3 |
| NAKSHATRA JAIN | 21ESKIT075 | Information Technology | 3 |
| Mallika Chaurasia | 21ESKIT067 | Information Technology | 3 |
| Abhyudaya Saraswat | 21ESKIT004 | Information Technology | 3 |
| Divyam Nagori | 21ESKIT046 | Information Technology | 3 |
| Praveen kumar dudi | 21ESKIT084 | Information Technology | 3 |
| Pulkit Baid | 21ESKIT088 | Information Technology | 3 |
| Priyal Jangid | 21ESKIT086 | Information Technology | 3 |
| Anirudh soni | 21ESKIT016 | Information Technology | 3 |
| Safal Sachdeva | 21ESKIT099 | Information Technology | 3 |
| Dhruv sharma | 21ESKIT042 | Information Technology | 3 |
| Tanishtha sharma | 21ESKIT107 | Information Technology | 3 |
| Rahul sharma | 2ESKIT091 | Information Technology | 3 |
| Manan Sharma | 21ESKIT068 | Information Technology | 3 |
| Vivek shekhawat | 21ESKIT122 | Information Technology | 3 |
| Gorang Sharma | 21ESKIT050 | Information Technology | 3 |
| Vatsal Singh Rao | 21ESKIT113 | Information Technology | 3 |
| Sachin kumar | 21ESKIT098 | Information Technology | 3 |

List of Participants

| Participant Name | Student Roll no. | Department | Semester |
|-----------------------|------------------|----------------------------------|----------|
| Arushi Hinger | 21ESKIT022 | Information Technology | 3 |
| Apeksha pitaliya | 21ESKIT019 | Information Technology | 3 |
| Akshat Tanwar | 21ESKIT010 | Information Technology | 3 |
| Asha sharma | 21ESKIT024 | Information Technology | 3 |
| DEEPESH CHOUDHARY | 21ESKIT039 | Information Technology | 3 |
| Hiteshi Agrawal | 21ESKIT056 | Information Technology | 3 |
| Virendra yadav | 21ESKIT116 | Information Technology | 3 |
| Akshita bhatnagar | 21ESKIT012 | Information Technology | 3 |
| Chinmay Bhatnagar | 21ESKIT035 | Information Technology | 3 |
| Vishva Yash Pandey | 21ESKIT119 | Information Technology | 3 |
| Nighat Shakoor | 21ESKIT310 | Information Technology | 3 |
| Mohit | 21ESKIT073 | Information Technology | 3 |
| Radhika singhal | 21ESKIT090 | Information Technology | 3 |
| Sahil Kumar Choudhary | 21ESKIT309 | Information Technology | 3 |
| Pratibha Nagar | 21ESKIT083 | Information Technology | 3 |
| Pallvi Thakur | 21ESKIT078 | Information Technology | 3 |
| Ayush Jhawar | 21ESKIT028 | Information Technology | 3 |
| Queenshi Jain | 21ESKIT089 | Information Technology | 3 |
| Devansh Sharma | 21ESKIT041 | Information Technology | 3 |
| Sachin Kumar | 21ESKCA093 | Computer Science and Engineering | 3 |
| Aditya Agarwal | 21ESKCA009 | Computer Science and Engineering | 3 |
| Abhinav Sharma | 21ESKCA006 | Computer Science and Engineering | 3 |
| Karan Singh Bargujar | 21ESKCA059 | Computer Science and Engineering | 3 |
| Ria Agarwal | 21ESKCA088 | Computer Science and Engineering | 3 |
| DHARMPAL YADAV | 21ESKCA038 | Computer Science and Engineering | 3 |
| Rohit rao | 21ESKCA092 | Computer Science and Engineering | 3 |
| Prithvee vasudev | 21eskca084 | Computer Science and Engineering | 3 |
| Parag pareek | 21ESKCA081 | Computer Science and Engineering | 3 |
| Gourav Moondra | 21ESKCA047 | Computer Science and Engineering | 3 |
| Madhav soni | 21ESKCA067 | Computer Science and Engineering | 3 |
| Srashti soni | 21ESKCA105 | Computer Science and Engineering | 3 |
| Aaditya Kaushik | 21ESKCA001 | Computer Science and Engineering | 3 |
| Anil pooniya | L220024 | Computer Science and Engineering | 3 |
| Mayank Pugalia | 21ESKCA073 | Computer Science and Engineering | 3 |
| Abhishek gupta | 21ESKCA007 | Computer Science and Engineering | 3 |
| Mansi Nigam | 21ESKCA072 | Computer Science and Engineering | 3 |

List of Participants

| Participant Name | Student Roll no. | Department | Semester |
|----------------------|------------------|----------------------------------|----------|
| Arpit Chaturvedi | 21ESKCA025 | Computer Science and Engineering | 3 |
| Ansh Kumar | 21ESKCA016 | Computer Science and Engineering | 3 |
| Gazal jain | 21ESKCA046 | Computer Science and Engineering | 3 |
| Suresh Choudhary | 21ESKCA106 | Computer Science and Engineering | 3 |
| Shubham dhabhai | 21ESKCA103 | Computer Science and Engineering | 3 |
| Akshat Khandelwal | 21ESKCA011 | Computer Science and Engineering | 3 |
| Khushi agarwal | 21ESKCA061 | Computer Science and Engineering | 3 |
| Kanishk dutt Sharma | 21ESKCA058 | Computer Science and Engineering | 3 |
| Abhijeet sarkar | 21ESKCA005 | Computer Science and Engineering | 3 |
| Anirudh kabra | 21eskca014 | Computer Science and Engineering | 3 |
| Aditi Gothwal | 21ESKCA008 | Computer Science and Engineering | 3 |
| Palak garg | 21ESKCA080 | Computer Science and Engineering | 3 |
| Neha Dhaked | 21ESKCA076 | Computer Science and Engineering | 3 |
| Pratham Singh | 21ESKCA083 | Computer Science and Engineering | 3 |
| Ishita jain | 21ESKCA053 | Computer Science and Engineering | 3 |
| Vanshika Namdev | 21ESKCA114 | Computer Science and Engineering | 3 |
| Suyash ameta | 21ESKCA107 | Computer Science and Engineering | 3 |
| Aditya misra | 21ESKCA010 | Computer Science and Engineering | 3 |
| Vikas Singh | 21ESKCA120 | Computer Science and Engineering | 3 |
| Ayush Gupta | 21ESKCA030 | Computer Science and Engineering | 3 |
| Saloni kumari | L220027 | Computer Science and Engineering | 3 |
| Vidit khandelwal | 21ESKCA117 | Computer Science and Engineering | 3 |
| Vipin pandey | L220028 | Computer Science and Engineering | 3 |
| Divya | 21ESKCS075 | Computer Science and Engineering | 3 |
| Kushal Gupta | 21ESKCS118 | Computer Science and Engineering | 3 |
| Priyanshu goyal | 21ESKCS168 | Computer Science and Engineering | 3 |
| Pradhuman Chaturvedi | 21ESKCS157 | Computer Science and Engineering | 3 |
| Pratham Sharma | 21ESKCS165 | Computer Science and Engineering | 3 |
| Krishna Alok | L220018 | Computer Science and Engineering | 3 |
| KARTIK NEMIWAL | 21ESKCS107 | Computer Science and Engineering | 3 |
| Ratik Arora | 21ESKCS180 | Computer Science and Engineering | 3 |
| Ansh Agarwal | 21ESKCS033 | Computer Science and Engineering | 3 |
| Danish Khan | 21ESKCX012 | Computer Science and Engineering | 3 |
| Koushal Goyal | 2 | Computer Science and Engineering | 3 |

List of Participants

| Participant Name | Student Roll no. | Department | Semester |
|---------------------|------------------|----------------------------------|----------|
| PRIYAL AJMERA | 21ESKCS167 | Computer Science and Engineering | 3 |
| Bhavya Goyal | 21ESKCS011 | Computer Science and Engineering | 3 |
| Rohit Upadhyay | 21ESKCS192 | Computer Science and Engineering | 3 |
| Shaili Bansal | 21ESKCS809 | Computer Science and Engineering | 3 |
| Vikramaditya Sogani | 21ESKCS846 | Computer Science and Engineering | 3 |
| Samiksha Sambyal | 21ESKCS801 | Computer Science and Engineering | 3 |
| Vidisha Mamnani | 21ESKCS313 | Computer Science and Engineering | 3 |
| Leena Verma | 21ESKCS121 | Computer Science and Engineering | 3 |
| Megha agarwal | 21ESKCS303 | Computer Science and Engineering | 3 |
| Aashka jain | 21ESKCS006 | Computer Science and Engineering | 3 |
| Ishika yadav | 21ESKCS097 | Computer Science and Engineering | 3 |
| Mayank Sharma | 22ESKCS128 | Computer Science and Engineering | 3 |
| Simran Rawat | 21ESKCS838 | Computer Science and Engineering | 3 |
| Shailendra singh | 21eskcs807 | Computer Science and Engineering | 3 |
| Pranjal Soni | 21ESKCS160 | Computer Science and Engineering | 3 |
| Deeksha Bhati | 21ESKCS064 | Computer Science and Engineering | 3 |
| Shailesh Purohit | 21eskcs808 | Computer Science and Engineering | 3 |
| Baldeep Singh Uppal | 21ESKCA031 | Computer Science and Engineering | 3 |
| Harsh Jain | 21ESKCA049 | Computer Science and Engineering | 3 |
| Somya jain | 21ESKCS829 | Computer Science and Engineering | 3 |
| Rajat Choudhary | 21ESKCS176 | Computer Science and Engineering | 3 |
| Shivam Gautam | 21ESKCS815 | Computer Science and Engineering | 3 |
| yajan shah | 21ESKCS853 | Computer Science and Engineering | 3 |
| Nakul Narwani | 21ESKCS136 | Computer Science and Engineering | 3 |
| Ayush Gurjar | 21ESKCS049 | Computer Science and Engineering | 3 |
| Devang Chaturvedi | 21EsKCS067 | Computer Science and Engineering | 3 |
| harshit ajmera | 21ESKCS093 | Computer Science and Engineering | 3 |
| Deepesh Gupta | 21ESKCS065 | Computer Science and Engineering | 3 |
| Yashmita bansal | 21ESKCS855 | Computer Science and Engineering | 3 |
| Rohan rao | 21ESKCS188 | Computer Science and Engineering | 3 |
| Gautam Sharma | 21ESKCS085 | Computer Science and Engineering | 3 |
| Himanshu jain | 21ESKCS095 | Computer Science and Engineering | 3 |
| Harshika Pradhan | 21ESKCS309 | Computer Science and Engineering | 3 |

List of Participants

| Participant Name | Student Roll no. | Department | Semester |
|-------------------------|------------------|----------------------------------|----------|
| UTKARSH BHATI | 21ESKCS840 | Computer Science and Engineering | 3 |
| Sahil karwani | 21ESKCS196 | Computer Science and Engineering | 3 |
| Harsh Garg | 21ESKCX023 | Computer Science and Engineering | 3 |
| ABHIJEET MATHUR | 21ESKCX300 | Computer Science and Engineering | 3 |
| Naina Madan | 21ESKCA075 | Computer Science and Engineering | 3 |
| Sagar jha | 21ESKCX050 | Computer Science and Engineering | 3 |
| Shivam Choudhary | 21eskcs 814 | Computer Science and Engineering | 3 |
| Jigyashu Sharma | 21ESKCS104 | Computer Science and Engineering | 3 |
| Sonali jain | 21ESKCS830 | Computer Science and Engineering | 3 |
| Diwakar kothari | 21ESKCS079 | Computer Science and Engineering | 3 |
| Jitendra Choudhary | 21ESKCS105 | Computer Science and Engineering | 3 |
| Abhishek soni | 21ESKCS015 | Computer Science and Engineering | 3 |
| Abhishek choudhary | 21ESKCS011 | Computer Science and Engineering | 3 |
| Khushi Agarwal | 21ESKCS110 | Computer Science and Engineering | 3 |
| Tanisha Jawale | 21ESKCA110 | Computer Science and Engineering | 3 |
| Rohit Soni | 21ESKCX049 | Computer Science and Engineering | 3 |
| Rishabh Singh Shekhawat | 21ESKCS183 | Computer Science and Engineering | 3 |
| Manav Modi | 21ESKCS310 | Computer Science and Engineering | 3 |
| Vartika Garg | 21eskcs842 | Computer Science and Engineering | 3 |
| Bhagyansh Garg | 21ESKCX010 | Computer Science and Engineering | 3 |
| Bharg Mahajan | 21ESKCS054 | Computer Science and Engineering | 3 |
| Deepansh Sharma | 21ESKCA034 | Computer Science and Engineering | 3 |
| Rohit Jangid | 21ESKCS190 | Computer Science and Engineering | 3 |
| Ishu chalana | 21ESKCS101 | Computer Science and Engineering | 3 |
| Siddhi Agarwal | 21ESKCS827 | Computer Science and Engineering | 3 |
| Chinkle rathore | 21Eskcs307 | Computer Science and Engineering | 3 |
| Safiya Khan | 21ESKCS306 | Computer Science and Engineering | 3 |
| Sapna | 21ESKCS805 | Computer Science and Engineering | 3 |
| Alisha Agarwal | 21ESKCS300 | Computer Science and Engineering | 3 |
| Mayank Sharma | 21ESKCS127 | Computer Science and Engineering | 3 |
| Prashant Singh | 21ESKCS163 | Computer Science and Engineering | 3 |
| Sakshi Yadav | 21ESKCS199 | Computer Science and Engineering | 3 |
| Kishita Agarwal | 21ESKCS112 | Computer Science and Engineering | 3 |
| Shreyansh Agrawal | 21ESKCS822 | Computer Science and Engineering | 3 |
| Bhavy gandhi | 21ESKCS305 | Computer Science and Engineering | 3 |

List of Participants

| Participant Name | Student Roll no. | Department | Semester |
|-------------------|------------------|----------------------------------|----------|
| Daksh Gupta | 21ESKCS062 | Computer Science and Engineering | 3 |
| Anurag lohar | B210231 | Computer Science and Engineering | 3 |
| Mihir khinchi | 21ESKCS129 | Computer Science and Engineering | 3 |
| Rahul Chaudhary | 21ESKCS171 | Computer Science and Engineering | 3 |
| Vaibhav sobhani | 19 | Computer Science and Engineering | 3 |
| Rishabh Jain | 21ESKCS182 | Computer Science and Engineering | 3 |
| Preeti Verma | 21ESKCS166 | Computer Science and Engineering | 3 |
| Nishant Jain | 21eskcs145 | Computer Science and Engineering | 3 |
| HARSH VARDHAN | 21ESKCS091 | Computer Science and Engineering | 3 |
| Ishika patni | 21ESKCS305 | Computer Science and Engineering | 3 |
| Atharav Kabra | 21ESKCS046 | Computer Science and Engineering | 3 |
| Gaurav Sankhla | 21ESKCS084 | Computer Science and Engineering | 3 |
| Komal Kumawat | 21ESKCS113 | Computer Science and Engineering | 3 |
| Aravi Sharma | 21ESKCA024 | Computer Science and Engineering | 3 |
| Navin Pareta | NA | Computer Science and Engineering | 3 |
| Jaiyansh Gambhir | 21ESKCS103 | Computer Science and Engineering | 3 |
| Rahul Purohit | Na | Computer Science and Engineering | 3 |
| Ankit Sarawata | 21SEKCS031 | Computer Science and Engineering | 3 |
| Sahil gupta | 21ESKCS195 | Computer Science and Engineering | 3 |
| Paras Boriwal | 21ESKCS150 | Computer Science and Engineering | 3 |
| Omik parmani | 21eskcs147 | Computer Science and Engineering | 3 |
| Tushar Kumar Sahu | 21ESKCS836 | Computer Science and Engineering | 3 |
| Prashant Kala | 21ESKCS162 | Computer Science and Engineering | 3 |
| Kunal soni | 21ESKCS117 | Computer Science and Engineering | 3 |
| Vikas Sharma | 21ESKCS845 | Computer Science and Engineering | 3 |
| Anushka Panicker | 21ESKCS037 | Computer Science and Engineering | 3 |
| Shubham Kumar | 21ESKCS825 | Computer Science and Engineering | 3 |
| Muskan kumari | 21ESKCS133 | Computer Science and Engineering | 3 |
| Keshav sharma | 21ESKCO34 | Computer Science and Engineering | 3 |
| Aryan Sharma | 21ESKCS044 | Computer Science and Engineering | 3 |
| Lakshay Jain | 21ESKCS119 | Computer Science and Engineering | 3 |
| Khushi Choudhary | B211069 | Computer Science and Engineering | 3 |
| Pawan kumar jat | 21eskcX042 | Computer Science and Engineering | 3 |
| Vishal saini | 21ESKCS850 | Computer Science and Engineering | 3 |
| Unique paliwal | 21ESKCS839 | Computer Science and Engineering | 3 |

List of Participants

| Participant Name | Student Roll no. | Department | Semester |
|----------------------|--------------------|----------------------------------|----------|
| Amit verma | 21ESKCS027 | Computer Science and Engineering | 3 |
| Pratibha goyal | L220019 | Computer Science and Engineering | 3 |
| Nirmal prajapati | 21eskcs144 | Computer Science and Engineering | 3 |
| Naitik Mangal | 21ESKCS135 | Computer Science and Engineering | 3 |
| Akarsh Singh Chauhan | It | Computer Science and Engineering | 3 |
| Anushka Tiwari | 21ESKCS039 | Computer Science and Engineering | 3 |
| Rohit Rajoriya | 21eskcs191 | Computer Science and Engineering | 3 |
| Hardik singh | 21ESKCS087 | Computer Science and Engineering | 3 |
| Diwakar | 21ESKCS078 | Computer Science and Engineering | 3 |
| Divyanshu Gupta | 21ESKCS077 | Computer Science and Engineering | 3 |
| Bhavesch Chopra | 21ESKCS055 | Computer Science and Engineering | 3 |
| Sankalp suwalka | 21ESKCS802 | Computer Science and Engineering | 3 |
| Anushree Rathore | 21ESKCA023 | Computer Science and Engineering | 3 |
| Divyanshu Gupta | 21ESKCA039 | Computer Science and Engineering | 3 |
| Mahtvakanksha | 21eskca068 | Computer Science and Engineering | 3 |
| Priyanshu Goyal | 21ESKCA086 | Computer Science and Engineering | 3 |
| Ismail Ali | L220005 | Computer Science and Engineering | 3 |
| Vishal Sharma | 21ESKCX059 | Computer Science and Engineering | 3 |
| Kirti Sharma | 21ESKCA064 | Computer Science and Engineering | 3 |
| Prateek Meena | 21ESKCA082 | Computer Science and Engineering | 3 |
| Krish yadav | 21ESKCA301 | Computer Science and Engineering | 3 |
| Rahul Singh Rautela | 21ESKCA087 | Computer Science and Engineering | 3 |
| Avneet Kaur | 21ESKCA029 | Computer Science and Engineering | 3 |
| Manasvi Gupta | 21ESKCA070 | Computer Science and Engineering | 3 |
| Leepika Agarwal | b210830@skit.ac.in | Computer Science and Engineering | 3 |
| Priyansh yadav | B210294 | Computer Science and Engineering | 3 |
| Devarshi Sharma | 21ESKCA035 | Computer Science and Engineering | 3 |
| Yash bansal | 21eskca121 | Computer Science and Engineering | 3 |
| Aashi jain | 21eskca004 | Computer Science and Engineering | 3 |
| Vikas sharma | 21eskca119 | Computer Science and Engineering | 3 |
| Shashank Sharma | 21ESKCA099 | Computer Science and Engineering | 3 |
| Varenyam Sharma | B210869 | Computer Science and Engineering | 3 |
| Jayesh Darwani | 21ESKCA056 | Computer Science and Engineering | 3 |
| Jayesh Purohit | 21ESKCA057 | Computer Science and Engineering | 3 |
| Harshit Kumawat | 21ESKCA050 | Computer Science and Engineering | 3 |

List of Participants

| Participant Name | Student Roll no. | Department | Semester |
|-------------------------|------------------|----------------------------------|----------|
| Rishabh Kumar Kanther | 21ESKCA091 | Computer Science and Engineering | 3 |
| Dushyant Bansal | 21ESKCA041 | Computer Science and Engineering | 3 |
| Madhav somani | 21ESKCX038 | Computer Science and Engineering | 3 |
| Kartik sarda | 21ESKCX032 | Computer Science and Engineering | 3 |
| Nivesh Bansal | 21ESKCA079 | Computer Science and Engineering | 3 |
| Nikita Rao | 21ESKCA077 | Computer Science and Engineering | 3 |
| Aman Kawadia | 21ESKCA012 | Computer Science and Engineering | 3 |
| Hardik jain | 21ESKCA048 | Computer Science and Engineering | 3 |
| Anubhuti sharma | 21ESKCA020 | Computer Science and Engineering | 3 |
| Ayushi Khandal | 21ESKCS050 | Computer Science and Engineering | 3 |
| Aastha Panwar | 21ESKCS007 | Computer Science and Engineering | 3 |
| Aditya Bhatnagar | 21ESKCS018 | Computer Science and Engineering | 3 |
| Dimple meghani | 21ESKCS074 | Computer Science and Engineering | 3 |
| Manish Dudi | 21ESKCS124 | Computer Science and Engineering | 3 |
| Harsh Yadav | 22ESKCS092 | Computer Science and Engineering | 3 |
| Dev Mukhija | 21ESKCS066 | Computer Science and Engineering | 3 |
| Kunal Gupta | 21ESKCS115 | Computer Science and Engineering | 3 |
| Chetan Sharma | 21Eskcs060 | Computer Science and Engineering | 3 |
| Aman modi | 21eskc025 | Computer Science and Engineering | 3 |
| Parth Gautam | 21ESKCS152 | Computer Science and Engineering | 3 |
| Rajni Attri | 21ESKCS177 | Computer Science and Engineering | 3 |
| Vishal Rawat | 21eskc0849 | Computer Science and Engineering | 3 |
| Prashant Jethwani | 21eskc0161 | Computer Science and Engineering | 3 |
| Saransh Gupta | 21ESKCS806 | Computer Science and Engineering | 3 |
| Rahul Gautam | 21eskc0304 | Computer Science and Engineering | 3 |
| Yashwant vijayvargiya | 21ESKCS856 | Computer Science and Engineering | 3 |
| Rahul Saini | 21ESKCS175 | Computer Science and Engineering | 3 |
| Manu Mahawar | 21ESKCS125 | Computer Science and Engineering | 3 |
| Namesh Prakash Prajapat | 21ESKCS140 | Computer Science and Engineering | 3 |
| Dhruv Kumar Gupta | 21ESKCS070 | Computer Science and Engineering | 3 |
| Harshit Madan | 21ESKCA051 | Computer Science and Engineering | 3 |
| Ajay doyal | 21eskc0022 | Computer Science and Engineering | 3 |
| Pragati Khandelwal | 21ESKCS159 | Computer Science and Engineering | 3 |
| Balveer saini | 21ESKCS052 | Computer Science and Engineering | 3 |
| Jatin Jhajharia | 21ESKCA054 | Computer Science and Engineering | 3 |

List of Participants

| Participant Name | Student Roll no. | Department | Semester |
|--------------------------|------------------|----------------------------------|----------|
| Akshita Sharma | 21ESKCA300 | Computer Science and Engineering | 3 |
| Dhruv mittal | 21ESKCS071 | Computer Science and Engineering | 3 |
| Kaifi Ahmed | L220010 | Computer Science and Engineering | 3 |
| Shiva kashyap | L2200009 | Computer Science and Engineering | 3 |
| Ankit Gupta | 21ESKCS029 | Computer Science and Engineering | 3 |
| Shobhit Singh | 21eskca102 | Computer Science and Engineering | 3 |
| Abhishek Sharma | 21ESKCS014 | Computer Science and Engineering | 3 |
| Mayank gupta | 21ESKCS126 | Computer Science and Engineering | 3 |
| Aditi Tiwari | 21ESKCS017 | Computer Science and Engineering | 3 |
| Payal Nagar | 21ESKCS155 | Computer Science and Engineering | 3 |
| Harshita Jain | 21ESKCS094 | Computer Science and Engineering | 3 |
| Abhishek Saini | 21ESKCS013 | Computer Science and Engineering | 3 |
| Sanskriti Yadav | 21ESKCS803 | Computer Science and Engineering | 3 |
| Adarsh kumar | L220016 | Computer Science and Engineering | 3 |
| Rahul Dubey | 21ESKCS173 | Computer Science and Engineering | 3 |
| Doly Bansal | 21ESKCS080 | Computer Science and Engineering | 3 |
| Rohit Garg | 21ESKCS189 | Computer Science and Engineering | 3 |
| Ansh Garg | 21ESKCS034 | Computer Science and Engineering | 3 |
| Naman Jain | 21ESKCS138 | Computer Science and Engineering | 3 |
| Arya Negi | 21ESKCA027 | Computer Science and Engineering | 3 |
| Kunal Jaiswal | 21ESKCA065 | Computer Science and Engineering | 3 |
| LAVEENA GOYAL | 21ESKCS120 | Computer Science and Engineering | 3 |
| Rajveer Singh | 21ESKCS178 | Computer Science and Engineering | 3 |
| Akshay Raj Singh Rathore | 21ESKCS023 | Computer Science and Engineering | 3 |
| Divya Nyati | 21ESKCS076 | Computer Science and Engineering | 3 |
| Manav purohit | 21ESKCA071 | Computer Science and Engineering | 3 |
| Chairvi Sharma | 21ECSK059 | Computer Science and Engineering | 3 |
| Shreya Bhargava | 21ESKCS819 | Computer Science and Engineering | 3 |
| Shiv Lal Bairwa | 21ESKCS813 | Computer Science and Engineering | 3 |
| DHEERAJ KUMAWAT | 21ESKCS069 | Computer Science and Engineering | 3 |
| Mohit Trivedi | 21ESKCS131 | Computer Science and Engineering | 3 |
| Sonu saini | L220022 | Computer Science and Engineering | 3 |
| BRIJESH PAL SINGH | 21ESKCS058 | Computer Science and Engineering | 3 |
| Madhur Agrawal | 21ESKCS122 | Computer Science and Engineering | 3 |
| Rini Jain | 21ESKCS181 | Computer Science and Engineering | 3 |

List of Participants

| Participant Name | Student Roll no. | Department | Semester |
|---------------------------|------------------|----------------------------------|----------|
| Vaibhav pandey | L220029 | Computer Science and Engineering | 3 |
| Priyanshu sharma | 21ESKCS303 | Computer Science and Engineering | 3 |
| Udit Tiwari | 21ESKCS838 | Computer Science and Engineering | 3 |
| Sachin Sharma | 21ESKCS194 | Computer Science and Engineering | 3 |
| Manan Singh Jain | 21ESKCS123 | Computer Science and Engineering | 3 |
| Saksham Sharma | 21ESKCS197 | Computer Science and Engineering | 3 |
| Harsh Bhargava | 21ESKCS089 | Computer Science and Engineering | 3 |
| Isht suman | 21ESKCS100 | Computer Science and Engineering | 3 |
| Amit Bishnoi | 21ESKCS026 | Computer Science and Engineering | 3 |
| RISHI Jain | 21ESKCS184 | Computer Science and Engineering | 3 |
| Vishal Singh Rajpurohit | 21ESKCS851 | Computer Science and Engineering | 3 |
| Vishnu kumar bangdwa | 21eskc852 | Computer Science and Engineering | 3 |
| Mudit Singhal | 21ESKCS132 | Computer Science and Engineering | 3 |
| Aman Chaumal | 21ESKCS024 | Computer Science and Engineering | 3 |
| Dharmveer Singh Shekhawat | 21ESKCS068 | Computer Science and Engineering | 3 |
| ADARSH KUMAR BHARDWAJ | 21ESKCS016 | Computer Science and Engineering | 3 |
| Suyash Vashishtha | L220035 | Computer Science and Engineering | 3 |
| Aditya Gupta | 21ESKCS019 | Computer Science and Engineering | 3 |
| Digamber Singh | 21ESKCS073 | Computer Science and Engineering | 3 |
| Nitin verma | 21ESKCS146 | Computer Science and Engineering | 3 |
| Khushi Kaur Anand | 21ESKCS111 | Computer Science and Engineering | 3 |
| Nehal Jain | 21ESKCS141 | Computer Science and Engineering | 3 |
| Hardik vijay | 21ESKCS088 | Computer Science and Engineering | 3 |
| Vagya Gupta | 21ESKCS841 | Computer Science and Engineering | 3 |
| Anirudh bhardwaj | 21ESKCS028 | Computer Science and Engineering | 3 |
| Arjit Jain | 21ESKCS040 | Computer Science and Engineering | 3 |
| Kuldeep singh rathore | 21ESKCS114 | Computer Science and Engineering | 3 |
| Arpit gupta | 21ESKCS041 | Computer Science and Engineering | 3 |
| Ekta gupta | 21ESKCS081 | Computer Science and Engineering | 3 |
| Ankit Kumar Choudhary | 21ESKCS030 | Computer Science and Engineering | 3 |
| Rishika jain | 21ESKCS301 | Computer Science and Engineering | 3 |
| Piyush Gupta | 21ESKCS156 | Computer Science and Engineering | 3 |
| karan kishore verma | 21eskc8106 | Computer Science and Engineering | 3 |
| Sushant Choudhary | 21ESKCS832 | Computer Science and Engineering | 3 |
| Tanu Sharma | 21ESKCS308 | Computer Science and Engineering | 3 |

List of Participants

| Participant Name | Student Roll no. | Department | Semester |
|-----------------------|------------------|----------------------------------|----------|
| Garima Gupta | 21ESKCS083 | Computer Science and Engineering | 3 |
| Shalin Devpura | 21ESKCS810 | Computer Science and Engineering | 3 |
| Bhumika Chaudhary | 21ESKCS057 | Computer Science and Engineering | 3 |
| Veeru Singh Shekhawat | 21ESKCS844 | Computer Science and Engineering | 3 |
| Harsh Pathak | 21ESKCS090 | Computer Science and Engineering | 3 |
| Rahul kumar | L220013 | Computer Science and Engineering | 3 |
| Shubham kumar | L220012 | Computer Science and Engineering | 3 |
| Praful Singh Sikarwar | B210412 | Computer Science and Engineering | 3 |
| Dhruv Parwani | 21ESKCS072 | Computer Science and Engineering | 3 |
| Manuj Ganeriwala | 21ESKCS311 | Computer Science and Engineering | 3 |
| Suhani goyal | 21ESKCS831 | Computer Science and Engineering | 3 |
| Vinita Garg | 22ESKCS847 | Computer Science and Engineering | 3 |
| Shantanu Gunani | B211184 | Computer Science and Engineering | 3 |
| Nilisha Nagar | 21ESKCS143 | Computer Science and Engineering | 3 |
| Mohit singh | 21ESKCS130 | Computer Science and Engineering | 3 |
| Siddharth Gurjar | 21ESKCS826 | Computer Science and Engineering | 3 |
| Vatsal Agarwal | 21ESKCS843 | Computer Science and Engineering | 3 |
| Neha Meerchandani | 21ESKCS312 | Computer Science and Engineering | 3 |
| Jashan | 21ESKCS303 | Computer Science and Engineering | 3 |
| Ishita jangir | 21ESKCS098 | Computer Science and Engineering | 3 |
| Shubham Jain | 21ESKCS824 | Computer Science and Engineering | 3 |
| Jainam Jain | 21ESKCS102 | Computer Science and Engineering | 3 |
| Kavya Khandelwal | 21ESKCS109 | Computer Science and Engineering | 3 |
| Bhagya singh | 21ESKCS053 | Computer Science and Engineering | 3 |
| UTSAV KUMAR KOTHARI | 21ESKCA112 | Computer Science and Engineering | 3 |
| Chinmay Singh | 21ESKCS061 | Computer Science and Engineering | 3 |
| Naman jain | 21ESKCS137 | Computer Science and Engineering | 3 |
| Palak Gupta | 21ESKCS148 | Computer Science and Engineering | 3 |
| Kunal Jain | 21ESKCS116 | Computer Science and Engineering | 3 |
| Kartik Singh Bisht | 21ESKCS108 | Computer Science and Engineering | 3 |
| Udeshya Dudi | 21ESKCS837 | Computer Science and Engineering | 3 |
| Prateek Agarwal | 21ESKCS164 | Computer Science and Engineering | 3 |
| Parth Jain | 21ESKCS153 | Computer Science and Engineering | 3 |
| Shivani Yadav | 21ESKCA101 | Computer Science and Engineering | 3 |
| Shivam Agarwal | 21ESKCA100 | Computer Science and Engineering | 3 |

List of Participants

| Participant Name | Student Roll no. | Department | Semester |
|-------------------------|------------------|----------------------------------|----------|
| Ashmit Kumar Kurmib | 21ESKCA028 | Computer Science and Engineering | 3 |
| Sakshee Shalineee | 21ESKCA095 | Computer Science and Engineering | 3 |
| Pari Manoj Saraswat | 21ESKCX041 | Computer Science and Engineering | 3 |
| Garv Sharma | 21ESKCX020 | Computer Science and Engineering | 3 |
| Kartikey Bhandari | 21ESKCA060 | Computer Science and Engineering | 3 |
| Jatin Sinwaria | 21ESKCA055 | Computer Science and Engineering | 3 |
| Gautam sethiya | 21ESKCA045 | Computer Science and Engineering | 3 |
| Anshika Bhatt | 21ESKCA018 | Computer Science and Engineering | 3 |
| Sarthak Kothari | 21ESKCA097 | Computer Science and Engineering | 3 |
| Prince Agrawal | 21ESKCA302 | Computer Science and Engineering | 3 |
| Tamanna yadav | 21ESKCA109 | Computer Science and Engineering | 3 |
| Gaurav Singh Mangat | 21ESKCA044 | Computer Science and Engineering | 3 |
| Yashwant Jangid | 21ESKCA123 | Computer Science and Engineering | 3 |
| Himesh kumar | 21ESKCA052 | Computer Science and Engineering | 3 |
| Aarish Quazi | 21ESKCA003 | Computer Science and Engineering | 3 |
| Ridam Jain | 21ESKCA089 | Computer Science and Engineering | 3 |
| Bhavya Gupta | 21ESKCA032 | Computer Science and Engineering | 3 |
| Ansh Tyagi | 21ESKCA017 | Computer Science and Engineering | 3 |
| Nitiraj Singh | 21ESKCA078 | Computer Science and Engineering | 3 |
| Vanshika Jindal | 21ESKCA113 | Computer Science and Engineering | 3 |
| Anshuman Singh Sikarwar | 21Eskca019 | Computer Science and Engineering | 3 |
| Manas Goyal | 21ESKCA069 | Computer Science and Engineering | 3 |
| Darshan suwalka | 21ESKCA033 | Computer Science and Engineering | 3 |
| Sandeep Singh | 21ESKCA096 | Computer Science and Engineering | 3 |
| Aaditya Sharma | 21ESKCA002 | Computer Science and Engineering | 3 |
| Khushi bhatia | 21ESKCA062 | Computer Science and Engineering | 3 |
| Simran parwani | 21ESKCA104 | Computer Science and Engineering | 3 |
| Roshan Kumar Singh | 21ESKCA303 | Computer Science and Engineering | 3 |
| eshaan goyal | 21ESKCA043 | Computer Science and Engineering | 3 |
| Anurag Sharma | 21ESKCA022 | Computer Science and Engineering | 3 |
| Aditya Parashar | 21ESKCX004 | Computer Science and Engineering | 3 |
| Vicky soni | 21ESKCA116 | Computer Science and Engineering | 3 |
| Divyaraj Singh Ranawat | 21eskca040 | Computer Science and Engineering | 3 |
| Yash Gupta | 21ESKCA122 | Computer Science and Engineering | 3 |
| Arpit Kumar gupta | 21ESKCA026 | Computer Science and Engineering | 3 |
| Deveshwar Singh Rajawat | 21ESKCA037 | Computer Science and Engineering | 3 |

List of Participants

| Participant Name | Student Roll no. | Department | Semester |
|---------------------|------------------|----------------------------------|----------|
| Gaurav sharma | 21ESKCX021 | Computer Science and Engineering | 3 |
| Aditya pratap singh | 21ESKCX005 | Computer Science and Engineering | 3 |
| Jatin Yadav | 21ESKCX028 | Computer Science and Engineering | 3 |
| Priyanshu batra | 21eskcx045 | Computer Science and Engineering | 3 |
| Khushi Jain | 21ESKCX036 | Computer Science and Engineering | 3 |
| Harsh Tambi | 21ESKCX025 | Computer Science and Engineering | 3 |
| Simran Udhani | 21ESKCX052 | Computer Science and Engineering | 3 |
| Vaishnavi Sharma | 21ESKCX055 | Computer Science and Engineering | 3 |
| Dharmanshu Kumar | 21ESKCX015 | Computer Science and Engineering | 3 |
| Mehul Sharma | 21ESKCX039 | Computer Science and Engineering | 3 |
| Drishiti Gupta | 21ESKCX019 | Computer Science and Engineering | 3 |
| Vandit khandelwal | 21eskcx056 | Computer Science and Engineering | 3 |
| Kanak soni | 21ESKCX030 | Computer Science and Engineering | 3 |
| Khechraay Arkaay | 21ESKCX035 | Computer Science and Engineering | 3 |
| Rishi soni | B210874 | Computer Science and Engineering | 3 |
| Dhruv Pathak | 21ESKCX017 | Computer Science and Engineering | 3 |
| Tejasvi | 21eskcx053 | Computer Science and Engineering | 3 |
| Harsh Dagar | 21eskcx022 | Computer Science and Engineering | 3 |
| Harsh goyal | 21ESKCX024 | Computer Science and Engineering | 3 |
| Abhi Jain | 21ESKCX002 | Computer Science and Engineering | 3 |
| Prashant Sharma | 21ESKCX043 | Computer Science and Engineering | 3 |
| Ujjwal tak | 21eskcx054 | Computer Science and Engineering | 3 |
| Joshita sharma | 21ESKCX029 | Computer Science and Engineering | 3 |
| Arshia Agarwal | 21ESKCX008 | Computer Science and Engineering | 3 |
| Hridayansh Sharma | 21ESKCXO26 | Computer Science and Engineering | 3 |
| Kavya loona | 21eskcx033 | Computer Science and Engineering | 3 |
| Manogya Jain | 21ESKCX302 | Computer Science and Engineering | 3 |
| Devansh Pancholi | 21ESKCX014 | Computer Science and Engineering | 3 |
| Pulkit Ahuja | 46 | Computer Science and Engineering | 3 |
| Vedeesh Sharma | 21ESKCX057 | Computer Science and Engineering | 3 |
| Karan Choudhary | 21ESKCX031 | Computer Science and Engineering | 3 |
| Aman Sharma | 21ESKCX006 | Computer Science and Engineering | 3 |
| Sahil Kavar | 21ESKCX051 | Computer Science and Engineering | 3 |
| Ayush Soni | 21ESKCX009 | Computer Science and Engineering | 3 |
| Abhi Jain | 21ESKCX001 | Computer Science and Engineering | 3 |