I.T.S ENGINEERING COLLEGE
GREATER NOIDA
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The Education Group
Ghaziabad • Greater Noida
(Estd. : 1995)

Name of Event: Work shop on Agile Methodology

Date of Event: 05/02/2016

Organized by: Department of Computer Science & Department of Information Technology

Event Coordinator: Devesh Garg

Guest Lecture Objective: To acquaint students with Agile Methodology Concepts and Create Working environment in the team by Agile Concept

Report: I.T.S Engineering College, one of the Premier Institution in the field of Engineering and Management Education organized a Workshop on "**Agile Methodology** " by **Mr. Rakesh Missra.**

The opening of program was made by welcome by CSE department of **Mr. Rakesh Missra. Mr. Rakesh Missra** is Technologist, Speaker, Trainer and Author. Currently he is CEO of Missra Consultancy. He has rich experience of more than 20 years and has worked in IT companies like CSC, Infosys, Steria, CMC and has conducted workshops on Cloud computing , Agile Methodology and Big Data. The talk was initiated by Honorable guest **Mr. Rakesh Missra** explaining about Agile Methodology basics and other details. In the talk, he also emphasized on the need of learning various recent Tools / skills according to need of industry. This talk was followed by hands on experience to instant given task to Participants in the Team structure on Agile Methodology.

The B.Tech. 3rd year students of CSE & IT branches of I.T.S Engineering College attended the Workshop. It was very prestigious for ITS Engineering College to have such Dignified and very Humble Knowledgeable Gentleman and to grasp their views and technical knowledge.

Finally, Mr.Devesh Garg of CSE department, I.T.S Engineering College gave a Vote of Thanks Speech and **Dr. Asish Kumar. HOD-CSE,** ITS Engineering College gave Token of Appreciation to **Mr. Rakesh Missra**

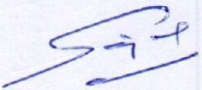**Program Outcome:** Students will be able to:
1. Get knowledge about Agile Manifesto , and the defined rule for Agile Methodology.
2. Analyze the Task related Problems and their solution by Agile.
3. The student learn how in the short time span they can create team and how to solve the customer problem by releasing the software version in the given time span.

Scope of Improvement: The practical approach in Agile methodology to develop with other modern technologies for students

No. of Student attended: 31

Coordiantor

(Devesh Garg)

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Department of Computer Science & Engineering

SALT COE

Expert Talk on Career Prospects in Software Testing

Outcome Report

Date and Time: 20th April 2018, 2:00 pm -4:00 pm

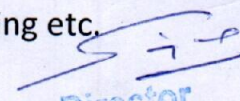**Venue:** COE BOARD ROOM

Resource Person: Mr. Prem Phulara, Director of Engineering at RxLogix India Pvt Ltd.

Students: All the students involved in SALT COE.

Summary of Talk: The talk was initiated by highlighting the core concept focusing on software testing for quality assurance. This was followed by the elaborated discussion about types of testing. He emphasized on the need of learning various testing tools. His talk mainly focused on various test automation services with their uses. He took examples of numerous web-based testing tools. He also gave a brief overview of Web and mobile security testing process. Being in the area of testing, he cited various issues and challenges in testing which must be taken care of while designing of test cases and can help in quality software product development. The talk was concluded with various career opportunities through testing in upcoming areas of computer science and engineering like Digital transformation, IOT, AI and machine learning.

Outcome(s):

1. Students have knowledge about various automation testing tools available in the industry for mobile and web app testing.

2. They also have a brief introduction about agile DevOps and its importance in current industry scenario.

3. After attending the session, they know how to prepare themselves for internship and placements with all IT and Non-IT skills.

4. They have a clear vision how to build their career with testing in other areas like IOT, AI, machine learning etc.

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![I.T.S logo] **I.T.S ENGINEERING COLLEGE**
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Photos:
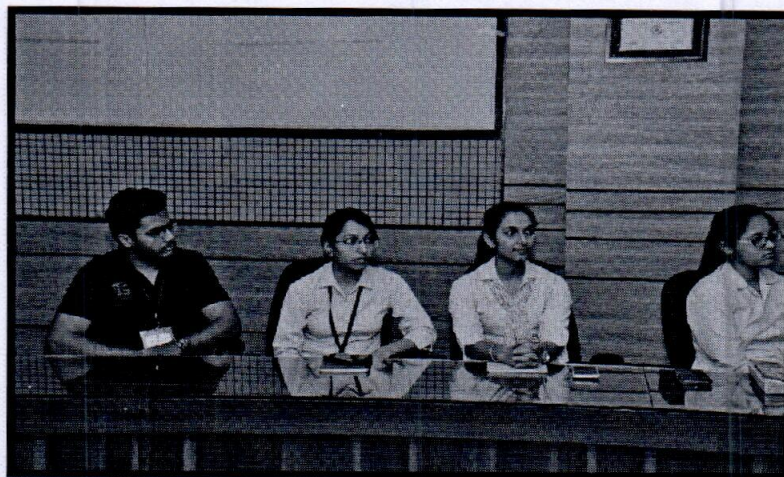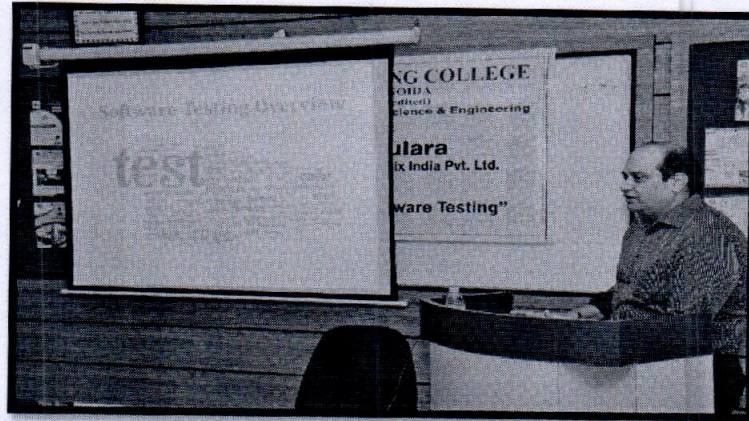
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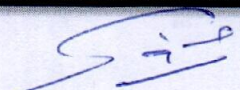(SALT Coordinator)

Ms. Lalita Chaudhary

Director
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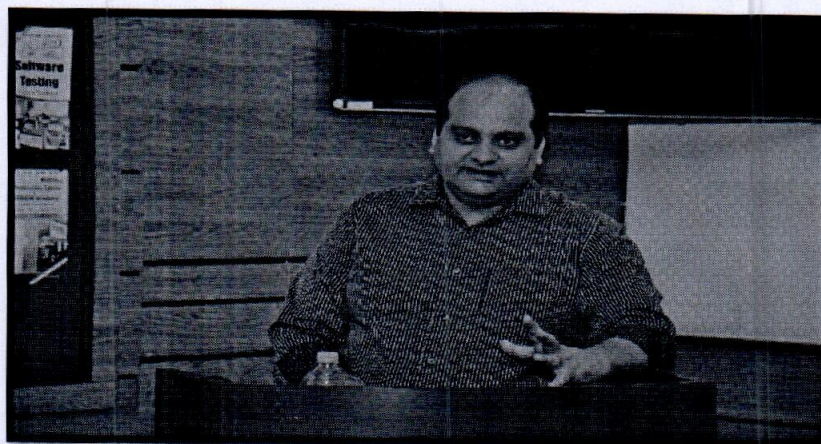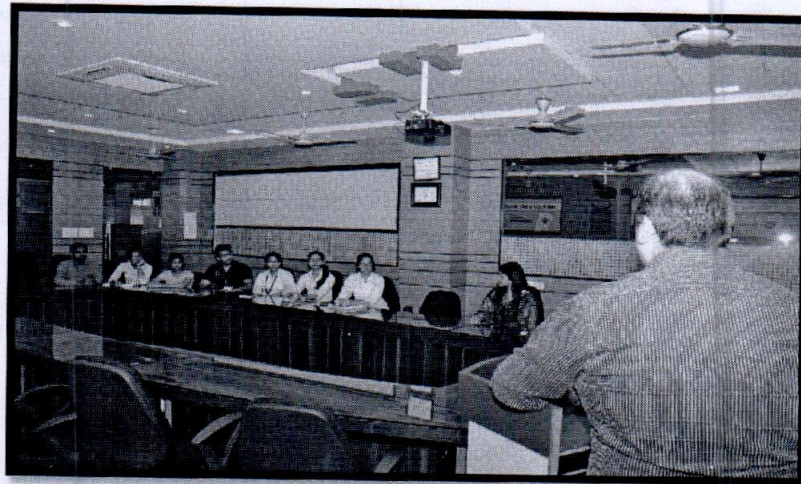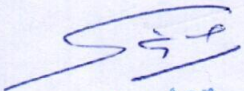## GREATER NOIDA
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Name of Event
2 Days Basic LabVIEW Workshop

Date of Event:
8th& 9thAugust 2019

Organized by: ECE Department at NI Innovation Center.

Event Coordinator: Mr. Nitesh Pradhan,
Objective:2 Days Basic LabVIEW Workshop

Report:

The Department of Electronics and Communication Engineering of I.T.S Engineering College, Greater Noida, organized2 Days Basic LabVIEW Workshop. This Workshop was coordinated and conducted by Mr. Nitesh Pradhan Coordinator of NI Innovation Center on 8th& 9thAugust 2019. The program was based on LabVIEW Programming platform which is product of National Instruments .

No. of Students attended: 40

S.N	Branch	No of student	College
1	3rdyear ECE	12	I.T.S Engg
2	2nd Year ECE	28	I.T.S Engg
3	4th Year ECE	0	I.T.S Engg
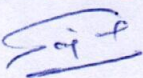
Outcomes:

- Student learns about Graphical Programming
- Now student able to design their basic program using data type.
- Student able store data in hardware

Coordinators
(Nitesh Pradhan)

Program Outline

S.No	Topic 9.10 AM- 12.30PM		Topic 1.00 PM- 4.50 PM
1	Introduction of LabVIEW		Numeric and Boolean data type
2	String, array and dynamic data type		Folder, Project & VI

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Name of Event:
2 daysSignal Processing Workshop

Date of Event:
Sept 21& 22, 2019

Organized by:
ECE Department at NI Innovation Center, COE.

Event Coordinator:
Mr. Nitesh Pradhan

Objective:
2 DaysWorkshop on**Signal Processing**for 2nd&3rdyear ECE& EEEstudent to get specialized to get Signal Processing toolkits on LabVIEW.

Report: The Department of Electronics and Communication Engineering of I.T.S Engineering college,Greater Noida, organized2 days workshop on"Signal Processing"by Mr. Nitesh Pradhan (Certified LabVIEW Trainer) at NI Innovation Center, Center of Excellence onSept 7-8, 2019. The workshop was based on Signal Processing toolkit's of LabVIEW Platformto learn how to design signal, how to process & store it and how to apply the concept of signal processing.There were 30students attended the Workshop from ECE and EEE.
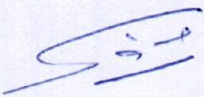
Outcomes:

- The student learns aboutSignal Processing toolkit on LabVIEWand Acquire knowledge.
- Students learns how to design signal, how to process & store it and how to apply the concept of signal processing,
- Students has designed more than 30 Program during training program.
- Student learns about how to design circuit and use in practical and theory.
- This training program will help yours student in their Signa Processing & Signal System Subjects also student will a good practical approach in their Placement time

Scope of Improvement:

- The hands-on training sessions and interactive sessions could be given more importance.

No. of Student attended: 30

Coordinators
(Nitesh Pradhan)

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Name of Event:
2DaysReal Time Data AcquisitionWorkshop
Date of Event:
Sept 28 & 29, 2019
Organized by:
ECE Department at NI Innovation Center, COE.
Event Coordinator:
Mr. Nitesh Pradhan

Objective:

2 DaysWorkshop on*Real Time Data Acquisition*Using NI myDAQfor 2nd&3rdyear ECE&
EEEstudent to get specialized to get Data Acquisition, connection of sensor and storage in pc.

Report: The Department of Electronics and Communication Engineering of I.T.S Engineering college,Greater Noida, organized2 days' workshop on*"Real Time Data Acquisition"*by Mr. Nitesh Pradhan (Certified LabVIEW Trainer) at NI Innovation Center, Center of Excellence onSept 28 & 29,, 2019. The workshop was based on NI myDAQ, NI DAQmx and Instrumentation I/O toolkits of LabVIEW Platform. Student acquire 1 channel 1 sample, 1 channel N sample, N channel N sample analog Data. There were 48 students attended the Workshop from ECE Department.

Outcomes:

After attending this course, participant able to:
- Develop integrated, high-performance data acquisition systems that produce accurate measurements
- Acquire data from sensors, such as thermocouples and strain gages, using NI data acquisition hardware
- Apply advanced understanding of LabVIEW and the NI-DAQmx API to create applications
- Eliminate measurement errors due to aliasing and incorrect signal grounding

Coordinators
(Nitesh Pradhan)

No. of Student attended: 48

Workshop Plan

Real Time Data Acquisition			
Workshop / Training Plan			
Day/Time	9:10 to 11:00	11.10 to 12.30	13:30 to 15 :00	15.10 to 16:50
Day 1	Introduction about LabVIEW	my DAQ connection	Simulated DAQ	Data Acquisition
Day 2	Sensor study	Data Acquisition	Storage	Programming

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Name of Event:
2 days Control system and Simulation

Date of Event:
4 -5 Oct2019

Organized by:
ECE Department at NI Innovation Center, COE.

Event Coordinator:
Mr. Nitesh Pradhan

Objective:

2 DaysWorkshop on**Control system and Simulation**for 2nd&3rdyear ECE& EEEstudent to get specialized to get Control system and Simulation toolkiton LabVIEW.
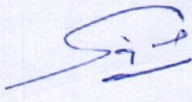
Report: The Department of Electronics and Communication Engineering of I.T.S Engineering college,Greater Noida, organized2 days workshop on"Signal Processing"by Mr. Nitesh Pradhan (Certified LabVIEW Trainer) at NI Innovation Center, Center of Excellence on4 -5 Oct2019. The workshop was based on Control system and Simulationof LabVIEW Platformto learn how to design signal, how to process & store it and how to apply the concept of signal processing.There were 16students attended the Workshop from ECE and EEE.

Outcomes:

- The student learns aboutControl system and SimulationLabVIEWand Acquire knowledge.
- Students has designed more than 25 simulation program Program during training program.
- Student can use the Control system and Simulation toolkit for their subject lab
- This training program will help yours student in their Control system and SimulationSubjects also student will a good practical approach in their Placement time
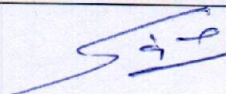
No. of Student attended: 21

S.N	Branch	No of student	College
1	4th year ECE	9	I.T.S Engg
2	3rd Year ECE	12	I.T.S Engg

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Coordinators
(Nitesh Pradhan)

Control system and Simulation
Workshop / Training Plan

Day/ Time	9:10 to 11:00	11.10 to 12.30	13:30 to 15 :00	15.10 to 16:50
Day 1	Introduction about LabVIEW	Control system	Model Design	Programming
Day 2	Control Design	Simulation	PID Controller	Programming

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Work Report

Name of Event: One Day Workshop on "Advancement in Industrial Automation & Control".

Date of Event: Oct 22, 2019

Organized by: Rockwell Automation, Centre of Excellence, EEE Department, I.T.S Engineering College Greater Noida

Event Coordinator: Mr. Rajiv Ranjan

Objective:

- To enhance skill of students & faculty members in the field of PLC, SCADA & HMI.

Report:

The Rockwell Automation, Centre of Excellence ,Department of Electrical & Electronics Engineering, I.T.S. Engineering College organized One Day Workshop on "Advancement in Industrial Automation & Control" on October 22, 2019 which was attended by 44 students , 8 faculty members and 2 Lab technician.

The event was started with Saraswathi Vandana and an introductory speech by Dr. Vikas Singh, Executive Director, I.T.S Education Group. Prof. Upendra K. Agarwal, HOD, EEE department, I.T. S. Engineering College welcomed the chief guest Mr. Umesh Kumar, Automation Expert, VS Automation Pvt. Ltd. Delhi, with a flowers bouquet. The workshop was started by honourable guest Mr. Umesh Kumar and most of the students are enlightened by his expertise. In the workshop, he guided and motivated the students by sharing his experiences with students. Students from different engineering branches as Mechanical, Civil, Computer Science, Electronics and Electrical, got opportunity to work on PLC, HMI & SCADA based industrial projects. All faculty members from different departments, whose area of interest is Automation, also attended the program. It was very prestigious for ITS Engineering College to have such dignified and very knowledgeable expert in the field of Automation. Dr. Vikas Singh, Executive Director of ITS Engineering College gave Token of Appreciation to Mr. Umesh Kumar.

Finally, Mr. Rajiv Ranjan, Assistant Professor of EEE Department, ITS Engineering College, gave a Vote of Thanks speech.

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Program Outcome:

Students & Faculty members upgraded their knowledge in the field of PLC, SCADA & HMI

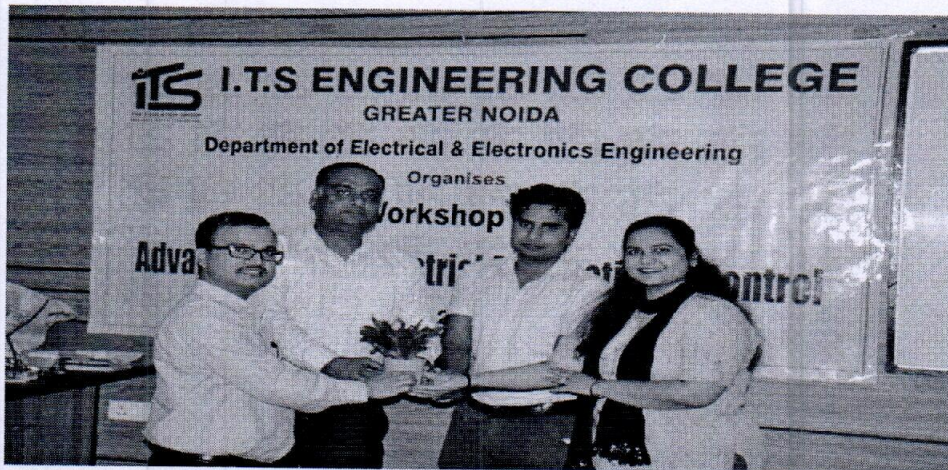**Scope of Improvement:** To organize the workshop for long duration.

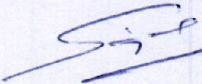**No. of participants:** 44 students, 8 faculty members and 2 Lab technician.

Coordinator:

(Rajiv Ranjan)
Asst. Prof.
EEE Dept.

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Name of Event
LabVIEW Training Program

Date of Event:
20- 24 Jan 2020

Organized by: ECE Department at NI Innovation Center.

Event Coordinator: Mr. Nitesh Pradhan,
Objective: 5 Days LabVIEW Training Program Based on CLAD Exam.

Report:

The Department of Electronics and Communication Engineering of I.T.S Engineering College, Greater Noida, organized 5 Days LabVIEW Training Program. This Training Program was coordinated and conducted by Mr. Nitesh Pradhan Coordinator of NI Innovation Center from 20- 24 Jan 2020. The program was based on LabVIEW Core1& Core 2 which is very important for CLAD.
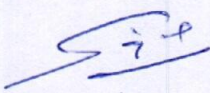
No. of Students attended: 34

S.N	Branch	No of student	College
1	3rd year ECE	10	I.T.S Engg
2	2nd Year ECE	16	I.T.S Engg
3	4th Year ECE	06	I.T.S Engg
4	3rd year EEE	02	I.T.S Engg

Outcomes:

After attending this course, stdent able to:

- Use programming structures, data types, and the analysis and signal processing algorithms in LabVIEW
- Able to design small program and code
- Work with sets of single-channel and multi-channel data
- Log data to file
- Use best programming practices for code reuse and readability
- Implement a sequencer using a state machine design pattern
- Implement multiple parallel loops and transfer data between the loops
- Create an application that responds to user interface events

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Coordinators
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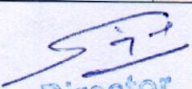
Name of students

S.No	Name of Participant	Year
1	Abhay	2nd year
2	Akanksha Mishra	2nd year
3	Aniket Bansal	2nd year
4	Ankit Gupta	2nd year
5	JanviTomar	2nd year
6	MohdShakaib Ghazi	2nd year
7	Nikita Pandey	2nd year
8	Rajat Gupta	2nd year
9	Rakshit Tiwari	2nd year
10	Ravindra Singh	2nd year
11	Tanmay Srivastava	2nd year
12	Tushar Verma	2nd year
13	Uday Sharma	2nd year
14	Vishal Kumar Baitha	2nd year
15	Nishant Gupta	2nd year
16	Anshit Malik	2nd year
17	Mithilesh Kumar	3rd year
18	Apurav Gupta	3rd year
19	Bhanu Pratap Singh	3rd year
20	Ankit Kumar Srivastava	3rd year
21	Nishant Kumar	3rd year
22	Nishant Kumar	3rd year
23	Pooja kumari	3rd year
24	MohdFaizan Siddiqui	3rd year
25	Aashish Singh	3rd year
26	Yashraj Jaiswal	3rd year
27	AmeyaVikrama	3rd year
28	Anju Gupta	4th Year
29	Vishal Kumar	4th Year
30	Ashish Kumar	4th Year
31	Tanuj Saini	4th Year
32	Deepak Choudhary	4th Year

Program Outline

S.No	Topic 9.10 AM- 12.30PM		Topic 1.00 PM- 4.50 PM
1	Introduction of LabVIEW		Data type
2	Array and Case structure		Loops &Enum
3	SubVI		File IO
4	Property node		Variable
5	Design Pattern		Event

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Name of Event
One day Workshop on Introduction to the Internet of Things and Cloud

Date of Event:
31st Jan 2020

Organized by: ECE Department at NI Innovation Center.

Event Coordinator: Mr. Nitesh Pradhan,

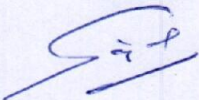**Objective:** One day Workshop on Introduction to the Internet of Things and Cloud
Report:

The Department of Electronics and Communication Engineering of I.T.S Engineering College, Greater Noida, organizedOne day Workshop on Introduction to the Internet of Things and Cloud. This Training Program was coordinated and conducted by Mr. Nitesh Pradhan Coordinator of NI Innovation Center from 31st Jan 2020. The program was based on Internet of Things and Cloud.

No. of Students attended: 20

S.N	Branch	No of student	College
1	2nd Year ECE	11	I.T.S Engg
2	2nd Year CSE	9	I.T.S Engg

Outcomes:

- Student learns about Cloud Concept for IOT.
- Student learn how can they sent their data into cloud.
- Student Get free certificate from Udemy just after this courses.

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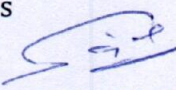ITS Engineering College
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Coordinators
(Nitesh Pradhan)

Name of students

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S. No	Name of Participant	Year & Branch
1	Vishal kumarbaitha	2nd Year ECE
2	Om Gupta	2nd Year ECE
3	Ashish	2nd Year ECE
4	Anand pandey	2nd Year CSE
5	Tushar verma	2nd Year ECE
6	Akanksha Mishra	2nd Year ECE
7	Ankit Gupta	2nd Year ECE
8	Ravindra singh	2nd Year ECE
9	Vishal	2nd Year ECE
10	Naman Garg	2nd Year ECE
11	Tanmay Srivastava	2nd Year ECE
12	Rishavkumar	2nd Year ECE
13	Divyansh	2nd Year CSE
14	Prem Narayan	2nd Year CSE
15	AYUSH GUPTA	2nd Year CSE
16	Saurabh rai	2nd Year CSE
17	Amlendu Shekhar	2nd Year CSE
18	Anand pandey	2nd Year CSE
19	Swagat Sriram Bara	2nd Year CSE
20	Akash	2nd Year CSE

Program Content

- Introduction to IoT and Cloud
- IoT Devices, Networks and Systems
- Where do Cloud Platforms come in?
- What do Cloud Platforms offer?
- Hands-on with a Cloud Platform
- IoT Security Challenges
- IoT and Digital Storage Challenges

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Name of Event
One Day Arduino Simulation Workshop

Date of Event:
14th Feb 2020

Organized by: ECE Department at NI Innovation Center.

Event Coordinator: Mr. Nitesh Pradhan,
Objective: Arduino Simulation using Arduino SimulIED Software.

Report:
The Department of Electronics and Communication Engineering of I.T.S Engineering College, Greater Noida, organizedOne Day Arduino Simulation Workshop. This Workshop was coordinated and conducted by Mr. Nitesh Pradhan Coordinator of NI Innovation Center on 14th Feb 2020. The program was based on Arduino SimulIED Software which is an virtual platform for Arduino board simulation.

No. of Students attended: 43

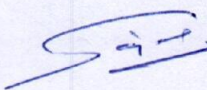| S.N	Branch	No of student	College
1	3rdyear ECE	26	I.T.S Engg
2	2nd Year ECE	14	I.T.S Engg
3	4th Year ECE	03	I.T.S Engg

Outcomes:

- Student use Simuled a learns how can they design and work in Virtual Arduino board
- Now student able to design, test and verify their code and logic.
- Now student are able to design Arduino based projects virtually

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Coordinators
(Nitesh Pradhan)

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Name of students attended the class

S. No.	Name of Participant	Year
1	ABHAY	2nd Year
2	UDAY SHARMA	2nd Year
3	ANKITA PANDEY	2nd Year
4	AKANKSHA MISHRA	2nd Year
5	ANKIT GUPTA	2nd Year
6	HARSH PUNDIR	2nd Year
7	KALPASH KUMAR	2nd Year
8	MOHD SHAKAIB GHAZI	2nd Year
9	MUSADIQ SADEEQ	2nd Year
10	NAMAN GARG	2nd Year
11	NIKHIL SINGH	2nd Year
12	OM GUPTA	2nd Year
13	RAJAT GUPTA	2nd Year
14	RAKSHIT TIWARI	2nd Year
15	RAVINDRA SINGH	2nd Year
16	SATRAJEET NEOGI	2nd Year
17	SHAHRUKH AMBER	2nd Year
18	SHASHWAT TRIPATHI	2nd Year
19	SHREYAS THAKUR	2nd Year
20	SHUBHAM VERMA	2nd Year
21	TANMAY SRIVASTAVA	2nd Year
22	UDAY SHARMA	2nd Year
23	UDAY SHARMA	2nd Year
24	VISHAL KUMAR BAITHA	2nd Year
25	VISHAL	2nd Year
26	Vishal kumargiri	2nd Year
27	Akshay Mishra	3rd Year
28	Mohit sharma	3rd Year
29	Sashikant Joshi	3rd Year
30	Jayendra Gautam	3rd Year
31	Sharad Singh	3rd Year
32	AmeyaVikrama	3rd Year

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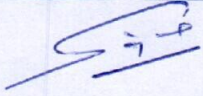
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33	Nikhil Jain	3rd Year
34	Satyam Jaiswal	2nd Year
35	Akshat madhavan	3rd Year
36	Pankaj Singh	3rd Year
37	Antariksh Gupta	3rd Year
38	Mithleshkumar	3rd Year
39	Rohan Gupta	3rd Year
40	Abhishek Jaiswal	3rd Year
41	Madhavi ranjan	4th Year
42	Sarvesh Singh	4th Year
43	SUHAIL IRSHAD RATHER	4th Year

Program Outline

S.No	Topic 9.10 AM- 12.30PM		Topic 1.00 PM- 4.50 PM
1	Code Wring and Simulation		Sensor interfacing

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Name of Event: One Day Workshop on **Robotics & IOT**
Date of Event: March 3, 2020.
Organized by: EEE Department, I.T.S Engineering College Greater Noida

Event Coordinator: Mr. Rajiv Ranjan

Objective:
- To enhance the technical knowledge in Robotics & IOT

Report:

Department of Electrical & Electronics Engineering, I.T.S Engineering College Greater Noida organized One Day Workshop on **Robotics & IOT** for B.Tech students on March 3, 2020. The workshop is conducted by Mr. Shashant Kumar, Robotics & IOT- expert from Sofcon India Pvt Ltd. The Robotics & IOT technology deals with the concepts involved in interdisciplinary branch of engineering and science that includes Mechanical Engineering, Electrical & Electronics Engineering, Information technology, Computer science and others. Robotics deals with the design, construction, operation, and use of robots, as well as computer systems for their control, sensory feedback, and information processing. The Internet of things (IoT) is a system of interrelated computing devices, mechanical and digital machines are provided with unique identifiers (UIDs) and the ability to transfer data over a network without requiring human-to-human or human-to-computer interaction.

In today's workshop students learned about concepts of Robotics, Embedded C Programming, IR Sensor applications, Motor controlling through driver IC and Simulation on Proteus in first half of the session.
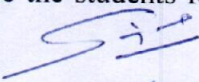
In post lunch session participants were able to understand about concepts of IOT, Raspberry pi, user interface development and hands on practical of home automation.

Finally, Mr. Rajiv Ranjan, Assistant Professor of EEE Department, ITS Engineering College, gave a Vote of Thanks speech.

Program Outcome:
- Students learnt about design consideration for Robitics & IOT System

Scope of Improvement: To involve the students for Project work and internship in Robitics & IOT technology.

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No. of Faculty attended: 06
No. of Student attended: 62
Coordinator:

Rajiv Ranjan
Assistant Professor
EEE Dept.

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Name of Event:
2DaysHardware Integration with SensorsOnline Workshop

Date of Event:
4th& 5th April 2020

Organized by:
ECE Department at NI Innovation Center, COE.

Event Coordinator:
Mr. Nitesh Pradhan

Objective:
2 DaysOnline Workshop onHardware Integration with SensorsUsing NI myRIO and Sensor kit for2nd&3rdyear ECEstudent to learn about function of RIO and FPGA Based Programming
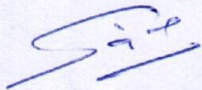
Report: The Department of Electronics and Communication Engineering of I.T.S Engineering college, Greater Noida, organized 2 daysonline workshop on NI my RIOby Mr. Nitesh Pradhan (Certified LabVIEW Trainer) at NI Innovation Center, Center of Excellence on4th & 5th April 2020. The workshop was based on NI myRIO, mechatronics kit & Sensor kit. Student work on standalone RIO, and learn how to designing, developing, and prototyping a real-time (RT) application that handles communication between the RT target and a host computer using the LabVIEW Real-Time Module. After attending this course, you will be able to determine if an RT solution is appropriate for a given problem. There were 18 students attended the Workshop from ECE Department.

Outcomes:

After attending this course, participant able to:
- Design Embedded platform.
- Convert and Write FPGA target-based code;
- If student will practicemore they will get the job in this filed
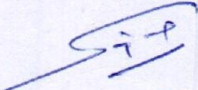
Coordinators
(Nitesh Pradhan)

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No. of Student attended: 18

S. No.	Participant name	Year
1	MITHILESH KUMAR	3rd year
2	ALAN JACOB	3rd year
3	Pavan Kumar	3rd year
4	Pankaj Singh	3rd year
5	KAUSHIK SARKAR	3rd year
6	Nishant Kumar	3rd year
7	Tanuj Saini	4th year
8	Yashraj Jaiswal	3rd year
9	NAMAN GARG	2nd Year
10	NIKITA PANDEY	2nd Year
11	OM GUPTA	2nd Year
12	PRABHAKAR	2nd Year
13	UDAY SHARMA	3rd year
14	VIKAS KUMAR	4th year
15	SWEETA PAL SINGH	2nd Year
16	MOHD ASHRAF	2nd Year

Workshop Plan

Hardware integration with sensors			
Workshop / Training Plan			
Day/ Time	9:10 to 11:00	11.10 to 12.30	13:30 to 15 :00	15.10 to 16:50
Day 1	Introduction about LabVIEW	NI myRIO	Testing	Circuit design
Day 2	Sensor study	Connection	Integration	Programming

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Webinar on "Artificial Intelligence"

On 11th May, 2020. Department of Computer Science & Engineering, ITS Engineering College, Greater Noida organized a webinar on "Artificial Intelligence(AI)". The speaker of the event was Mr. Rahul Pathak. He is Head the Machine Learning and Product Development Department at CETPA Group of Companies. Mr. Pathak is also the lead Developer and Analyst for CETPA's Smart Enquiry and Conversion System. He has vast experience and expertise on various technologies

The event was organized by **Dr. Ashish Kumar** , Professor **and Head of Department and was facilitated by Mr. Devesh Garg & Mr. Abhishek Shivhare (Asst. Professor-CSE).** Mr. Pathak explained about AI and why Python is required for coding in AI. Mr Pathak give hands on Training to students on the various data sets and students learn AI coding of Spyder and run AI programs.

The webinar was concluded by question and answer session. The webinar was highly interactive and the students got a deep insight into AI related coding. The webinar attendance was 230 which included students and faculties from various departments.

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Work Report

Name of Event: Two Days Online Short Term Training Program on "PLC & SCADA"
Date of Event May 14-15, 2020.
Organized by: Rockwell Automation- Centre of Excellence, EEE Department, I.T.S Engineering College Greater Noida

Event Coordinator: Mr. Rajiv Ranjan
Objective:

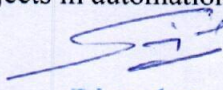- To sharpen the skill of students & faculty members in the field of PLC & SCADA.

Report:

Rockwell Automation- Centre of Excellence, Department of Electrical & Electronics Engineering, I.T.S. Engineering College organized Two Days **Online Short Term Training Program on "PLC & SCADA" on May 14-15, 2020** which was attended by 38 students and 7 faculty members. The event was started by welcome to Industry **Expert - Er. Manish Dubey, Automation Expert, Sofcon India Pvt. Ltd.** by Prof. Upendra K. Agarwal, HOD, EEE department, I.T. S. Engineering College, Greater Noida.

On the first day, Mr. Dubey explained about programmable logic controller (PLC) or programmable controller. PLC controller is an industrial digital computer which has been ruggedized and adapted for the control of manufacturing processes, such as assembly lines, or robotic devices, or any activity that requires high reliability, ease of programming and process fault diagnosis. He explained the Basic concepts of Relay, Switches and Digital Circuits, PLC Hardware Components, PLC Programming, RLL and process control. He guided and motivated the students by sharing his experiences with students.

On the second day, Mr. Dubey provided online training on Supervisory control and data acquisition (SCADA). SCADA is a control system architecture comprising computers, networked data communications and graphical user interfaces (GUI) for high-level process supervisory management, while also comprising other peripheral devices like programmable logic controllers (PLC) and discrete proportional-integral-derivative (PID) controllers to interface with process plant or machinery. The use of SCADA has been considered also for management and operations of project-driven-process in construction. Students learnt about Memory Tag, Animation Dialog Box, PLC & SCADA Interface and Human Machine Interface.

This training was very helpful to the students for making PLC-SCADA based project and faculty members who are guiding the student's projects in automation.

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Finally, Mr. Rajiv Ranjan, Assistant Professor of EEE Department, ITS Engineering College, gave a Vote of Thanks to our Guest and participants..

Program Outcome:

Students & Faculty members upgraded their knowledge in the field of PLC, SCADA & HMI
Scope of Improvement: To organize the workshop for long duration.

No. of participants: 38 students and 7 faculty members.
Coordinator:

   (Rajiv Ranjan)
   Asst. Prof.
   EEE Dept.

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Rockwell Automation

Trainer
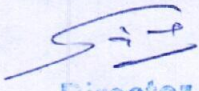
Online Short Term Training Program
on
PLC & SCADA

Mr. Manish Dubey
Automation Expert,
Sofcon India Pvt. Ltd.

14th-15th May, 2020 | 10:00 AM - 11:00 AM
Organised by
Rockwell Automation, Centre of Excellence (COE)
Department of Electrical and Electronics Engineering

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Name of Event: Virtual Automation Based Online Summer Internship Program

Date of Event: 15st May to 30th June 2020,

Organized by: ECE Department at NI Innovation Center.

Event Coordinator: Mr. Nitesh Pradhan.

Objective: 45 days Virtual Automation Based Online Summer Internship Program .

Report: The Department of Electronics and Communication Engineering of I.T.S Engineering College, Greater Noida, organized 45 days Virtual Automation Based Online Summer Internship Program. This Internship Program was coordinated and conducted by Mr. Nitesh Pradhan (Coordinator of NI Innovation Center) 15st May to 30th June 2020, . The program was based on LabVIEW, Multisim, myDAQ, my Rio and other toolkits of National instruments. There were **20 students** from *ITS Engg College Greater Noida*.
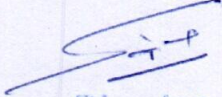
Outcomes:

- Participants learn about LabVIEW and Arduino SimulIED Software with mydaq, myRio and Acquire knowledge.
- Designed more than 1000 program during internship.
- Designed various simulated projects and real time project
- Students completed CLAD exam-based question bank series. That is very helpful for CLAD exam.
- Two student cleared CLAD exam
    1. Ashish Kumar 2nd year ECE
    2. Sameer 3rd year ECE

Scope of Improvement:

- More advance Level workshop/ Internship Program can be organized every year

No. of Students attended: 22
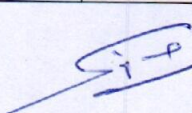
Trainer & Coordinators
(Nitesh Pradhan)

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List of students

S.no.	Name of Student	Mail Id
1	MITHILESH KUMAR	mithileshkumarlr_ece17@its.edu.in
2	Apurav Gupta	apurav9818@gmail.com
3	Aashish Singh	aashishsinghjs_ece17@its.edu.in
4	Yashraj Jaiswal	yashraj.jaiswal10@gmail.com
5	ALAN JACOB	alancoursesonly@gmail.com
6	Uday Sharma	udaysharmaniit12345@gmail.com
7	Pavan Kumar	pavankumarrr_ece17@its.edu.in
8	Ameya Vikrama	ameyavikrama777@gmail.com
9	Suraj kumar gupta	surajkumar1379gupta@gmail.com
10	Bhanu Pratap Singh	bpsingh0440@gmail.com
11	Ankit Kumar Srivastava	Ankitkr.srivastavavks_ece17@its.edu.in
12	Nishant Kumar	nishantkumarss_ece17@its.edu.in
13	KAUSHIK SARKAR	Kaushiksarkar938@gmail.com
14	Raghav Saxena	raghavsaxena91@gmail.com
15	Pooja kumari	Poojakumarijd_cse17@its.edu.in
16	Syed Saleem Mushtaq Ahmed Khadri	ssmakhadra@gmail.com
17	Ravi bhushan	ravibhusharp_ece17@its.edu.in
18	Pankaj Singh	pankajsinghrs_ece17@its.edu.in
19	Prashant kumar rai	Prashantkrrairr_ece17@its.edu.in
20	Mohd Faizan Siddiqui	mohdfaizansiddiquiaa_cse17@its.edu.in
21	Ashish Kumar	ashishkuma09@gmail.com
22	Sameer	sameern_ece17@its.edu.in

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Webinar Event

Title: Industrial IoT Application

Date: May 30, 2020

Organized by: Computer Science and Engineering Department, ITS Engineering College, Greater Noida

Time: 10: 00 AM- 11:00 AM

Centre of Excellence: SYSCOM

Platform: Zoom

Objective: The main objective of this webinar isto provide the conceptual knowledge on IoT.

Report:

A Webinar on "Industrial IoT Applications" was conducted by the Syscom Centre of Excellence, Department of Computer Science and Engineering, ITS Engineering College on May 30, 2020.
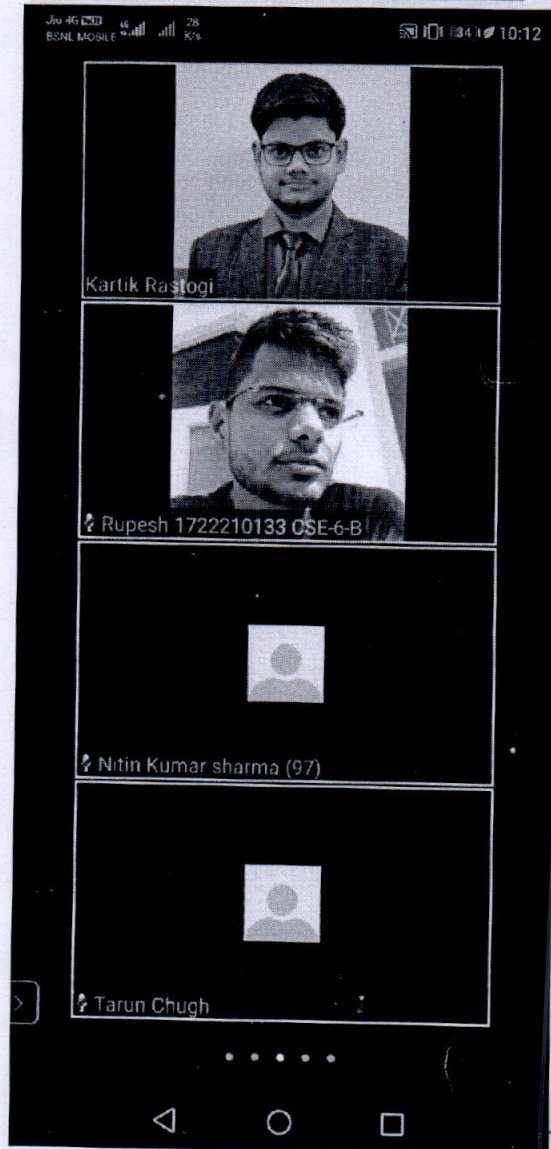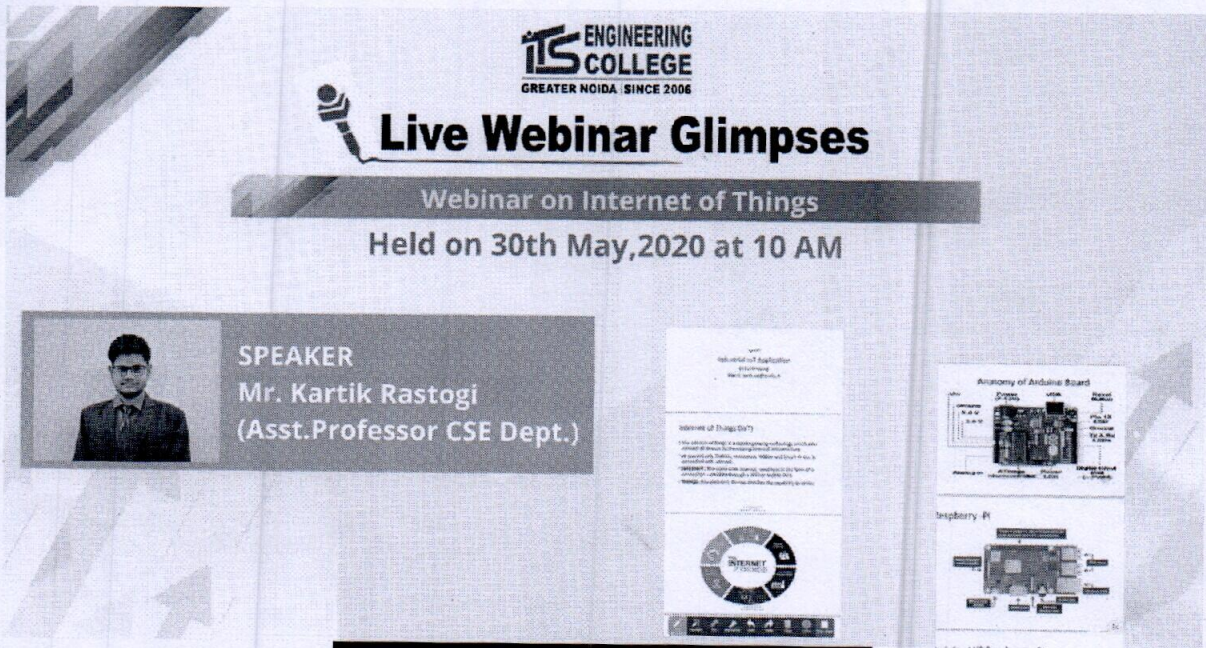
The speaker Mr. KartikRastogi, Assistant Professor, Deptt. Of CSE and Coordinator Syscom COE explained key industrial IOT applications such as autonomous vehicle, power management, quality control and wearables. The webinar started with important of Inter of things in industry and its wide variety of applications including home automation, industry smart city and many more. The key components used in designing an IOT platform were also discussed. Later an overview of development environment like Arduino Uno, Raspberry Pi and associated IDE was give.

The webinar was organized for the 2nd and 3rd year students of CSE. The HOD-CSE congratulated the Syscom COE coordinator for taking such an initiative and making students aware about its importance and applications.

Program Outcome: The participants have gained extensive details of subject knowledge along with practical knowledge. Practical examples enrich their concept on IoT.
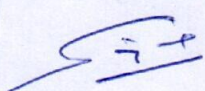
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5.1.3 → ICT/Computing skills

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Live Webinar Glimpses

Webinar on Internet of Things

Held on 30th May,2020 at 10 AM

SPEAKER
Mr. Kartik Rastogi
(Asst.Professor CSE Dept.)

Kartik Rastogi

Rupesh 1722210133 CSE-6-B

Nitin Kumar sharma (97)

Tarun Chugh

S.NO	ROLLNO	NAME	SECTION
1	1722210061	BIKI PRASAD	A
2	1722210126	RAVI KUMAR VERMA	A
3	1722210067	GUSAIN SUBHAM	A
4	1722210149	SHAHIL KUMAR PRAJAPATI	A
5	1722210065	DEEPANSHU MISHRA	A
6	1722210078	JYOTI	B
7	1722210043	ANSHI SINGH	B
8	1722210090	MD AZHARUDDIN ANSARI	B
9	1722210138	SAIF QURAISHI	B
10	1722210025	AMANDEEP PRAJAPATI	B
11	1722210100	NEERAJ CHAUHAN	B
12	1722210146	SATYAM MANI TRIPATHI	B
13	1722210168	SUBODH KUMAR CHAUHAN	B
14	1722210122	RAHUL PRASAD	B
15	1722210119	PURNIMA	B
16	1622210033	ASHWANI SHARMA	C
17	1722210072	ISHIKA RANJAN	C
18	1722210063	CHAS CHACKO	C
19	1722210124	RAJESH KUMAR	C
20	1722210022	AMAN KASHYAP	C
21	1722210110	PAYSHVI GHODWALL	C
22	1722210060	BHAWANA GARG	C
23	1722210167	SRIPARNA MANDAL	C
24	1722210086	LOVEE SAXENA	C
25	1722210054	ASHIUTOSH SHARMA	C
26	1722210052	ASHISH KUMAR	C

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