SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY, MANAGEMENT & GRAMOTHAN, JAIPUR

A Report of the
One Week Student Workshop On IoT and Smart Devices
Organized by

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

In association with
Enovates Skills ,NITTTR campus, Chandigarh
CSIR=-MTT:InTEC, Bhuwneshwar

Event Coordinators-
Dr. Rukhsar zafar , Dr. Swati Arora , Ms. Manju Choudhary ,Ms. Pooja Choudhary , Mr. Lalit Kumar Lata and Mr. Sunil Lakhawat

Event Coordinators-

Dr. Rukhsar zafar

Dr. Swati Arora

Ms. Manju Choudhary

Ms. Pooja Choudhary

Mr. Lalit Kumar Lata

Mr. Sunil Lakhawat

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About Workshop

Brief note about theme of workshop

IoT devices are the nonstandard computing devices that connect wirelessly to a network and have the ability to transmit data, such as the many devices on the internet of things (IoT). IoT involves extending internet connectivity beyond standard devices, such as desktops, laptops, smartphones and tablets, to any range of traditionally "dumb" or non-internet-enabled physical devices and everyday objects. Embedded with technology, these devices can communicate and interact over the internet. They can also be remotely monitored and controlled.

Example of an IoT device

Connected devices are part of an ecosystem in which every device talks to other related devices in an environment to automate home and industry tasks. They can communicate usable sensor data to users, businesses and other intended parties. The devices can be categorized into three main groups: consumer, enterprise and industrial.

Consumer connected devices include smart TVs, smart speakers, toys, wearables and smart appliances. In a smart home, for example, devices are designed to sense and respond to a person's presence. When a person arrives home, their car communicates with the garage to open the door. Once inside, the thermostat is already adjusted to their preferred temperature, and the lighting is set to a lower intensity and color, as their smart watch data indicates it has been a stressful day. Other smart home devices include sprinklers that adjust the amount of water given to the lawn based on the weather forecast and robotic vacuum cleaners that learn which areas of the home must be cleaned most often.

Approval Latter

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 Lakahwat, Mr. Lalit Lata	-	25000/-
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 Rewal	CS Department, SKIT	25000/-
5	Workshop	Signal Processing using Python and MATLAB	Hybrid	16-21 Jan, 2023	Dr. Monika Mathur, Ms. Kiran Rathi, Mr. Harshad Nigam, Dr. Shubhi Jain, Ms. Rajni Idiwal, Mr. J. P. Vijay	-	25,000/-
6	FDP	SCILAB	Online	5-17 Dec, 2022	Ms. Priyanka Sharma, Ms. Rajni Idiwal	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/-

→ Events may be conducted in accordance to budget approval indicated.

Approved conditionally for financial support.

Mukesh
28.9.22

HOD-ECE

Approval Latter

To,

The principal

SKIT, Jaipur.

Sub:- Requesting to release the amount for conduction of workshop (IoTSD-2022)

Respected Sir,

Department of ECE is organising a national workshop on "Internet of Things and Smart Devices (IoTSD-2022)" from 21-26 Nov 2022. In this regard, you are requested to direct the account office to release amount of Rs 15,000/- (in advance) for workshop arrangements.

Thanking you.

• Mukesh.
18.11.22.

• Principal

Yes permitted.
forward to Registrar, Director
18.11.22

faithfully.

Rukhsar zifar / Manjo chaudhary
ECE Dept., SKIT

Approval Latter

<u>Note</u>

Department of ECE

Date:- 01, NOV. 2022

The event FDP on "Smart Electronics and materials" scheduled on 21-25 Nov, 2022 is renamed as Workshop on "Smart IoT & Smart Devices.

Dr. Mukesh Arora

HoD, ECE

Call For Registration

SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY, MANAGEMENT & GRAMOTHAN, JAIPUR

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Presents

ONE WEEK NATIONAL WORKSHOP
ON
IOT AND SMART DEVICES
(IOTSD-2K22)

In Association With:
Enovate Skills, Chandigarh
CSIR-IMMT:InTEC, Bhubaneswar

Register Here :

📅 **21st - 25th November 2022**

✉️ **workshop_student@skit.ac.in**

🕐 **Offline Mode**

shorturl.at/girUX

EVENT COORDINATORS:

Dr. Rukhsar Zafar   Dr. Swati Arora
Ms. Pooja Choudhary   Ms. Manju Choudhary
Mr. Lalit Lata   Mr. Sunil Lakhawat

🌐 https://www.skit.ac.in/   📍 SKIT, Jagatpura, Jaipur

Call For Registration

Dear All,

Greetings !!We are pleased to inform you that the Department of Electronics and Communication Engineering is organizing a National Workshop on "IOT and Smart Devices (IoTSD 2022)" scheduled form 21st-26th, November 2022 (in Offline mode) There is no registration fee. Projects will be implemented on the following themes.

*Smart Automation
*Security System
*Power supply
*Smart Irrigation system
*Health Monitoring System

Projects competition will be held among the students team and the winning team will be awarded by exciting prizes.

Certificate: certificates will be provided to those who will attend the session, participate in competition and submit feedback on time.

Interested students may join through given link:
Registration Link: **shorturl.at/bhmU0**

Join the WhatsApp group for further updates:
https://chat.whatsapp.com/L9JDqSojkRAEs37AulKgNA

Regards,
Organizing Team-IoTSD 2022

About Speakers

Mr. Ajay Godara
Founder & CEO,
Enovate Skills

➢ Innovator, founder & CEO at Enovate Skill NITTTR, Chandigarh start-up. Techno_preneur, Mentor of Change at NITI AYOG 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. Gunjan Saxena,
ITS, Dy. Director General, Department of Telecom, Jaipur Rajasthan

➢ Sh. Gunjan Saxena is an I.T.S. (Indian Telecommunication Services) officer of 1986 batch, presently working as Dy. Director General, Department of Telecom, Rajasthan at Jaipur. He has done his BE in Electronics and Communications Engg. from MBM Engg. College Jodhpur. Before joining I.T.S. he has worked in ONGC.

➢ While working in Deptt. of Telecom. and BSNL for last 34 years, he has worked for planning, development, operations and maintenance of telecom network in Rajasthan, Gujarat and UP. He has seen and worked for transition of Indian telecom from manual 'number-please' system to today's high tech 4G system.

➢ He is fellow member of various technical organizations, such as, IETE, IE, ISTE, ISTD along with being member of various social organizations like MBM-JECOBA, Bharat Vikas Parishad, Abhiyanta Sangam, Rotary International, Intellectual Club etc. After being Past-Chairman of IETE Rajasthan chapter, he is presently Chairman of Institution of Engineers, Rajasthan State Chapter.

Schedule of Workshop

Swami Keshvanand Institute of Technology,Management & Gramothan, Jaipur

Department of Electronics & Communication Engineering

Workshop on Internet of Things and Smart Devices (IoTSD 2022)

(Dates: 21-26 November, 2022)

In Association With:

Ennovate Skills, NITTTR Campus, Chandigarh

CSIR-IMMT: InTec, Bhubaneswar

Date	Time	Activity and Venue
21/11/2022	9:00-9:30 am	Inaugural (JC Bose Auditorium)
	9:30-10:00 am	High Tea (near JC Bose Auditorium)
	10:00-12:00 am	Hands-on IoT based Projects-I (3EC A)- IOT Lab (CL2)
	12:30-2:30 pm	Hands-on IoT based Projects-I (3EC B)-IOT Lab (CL2)
22/11/2022	9:00-11:00 am	Hands-on IoT based Projects-II (3EC B)- IOT Lab (CL2)
	12:30-2:30 pm	Hands-on IoT based Projects-II (3EC A)-IOT Lab (CL2)
24/11/2022	9:00 - 11:00 am	PROJECT COMPETION – (ECL-03/04)
25/11/2022	9:00 - 11:00 am	Hands-on IoT based Projects-III (3EC A)- Project Lab (ECL-03/04)
	12:30 - 2:30 pm	Hands-on Proteus Software (3EC B)- M.Tech. Lab (ECL-06)
26/11/2022	9-11 am	Hands-on Proteus Software (3EC A)- M.Tech. Lab (ECL-06)
	9-11 am	Hands-on IoT based Projects-III (3EC B)- Project Lab (ECL-03/04)
	12:30-1:30 pm	Valedictory

Minute to Minute Program of the Inaugural Ceremony
(21stNovember 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)**
9:10-9:15	Address by Guest of Honor (**Mr. Ajay Godara, CEO, Enovate Skills, NITTTR Chandigarh)**
9:15-9:25	Address by Chief Guest (**Mr. GunjanSaxena, Dy. Dir., DOT, Rajasthan)**
9:25-9:28	Vote of Thanks- **Prof. Mukesh Arora, Head-ECE, SKIT**
9:28-9:30	Group Photo

Glimpses of Inaugural Ceremony

Glimpses of Technical Sessions

Glimpses of Technical Sessions
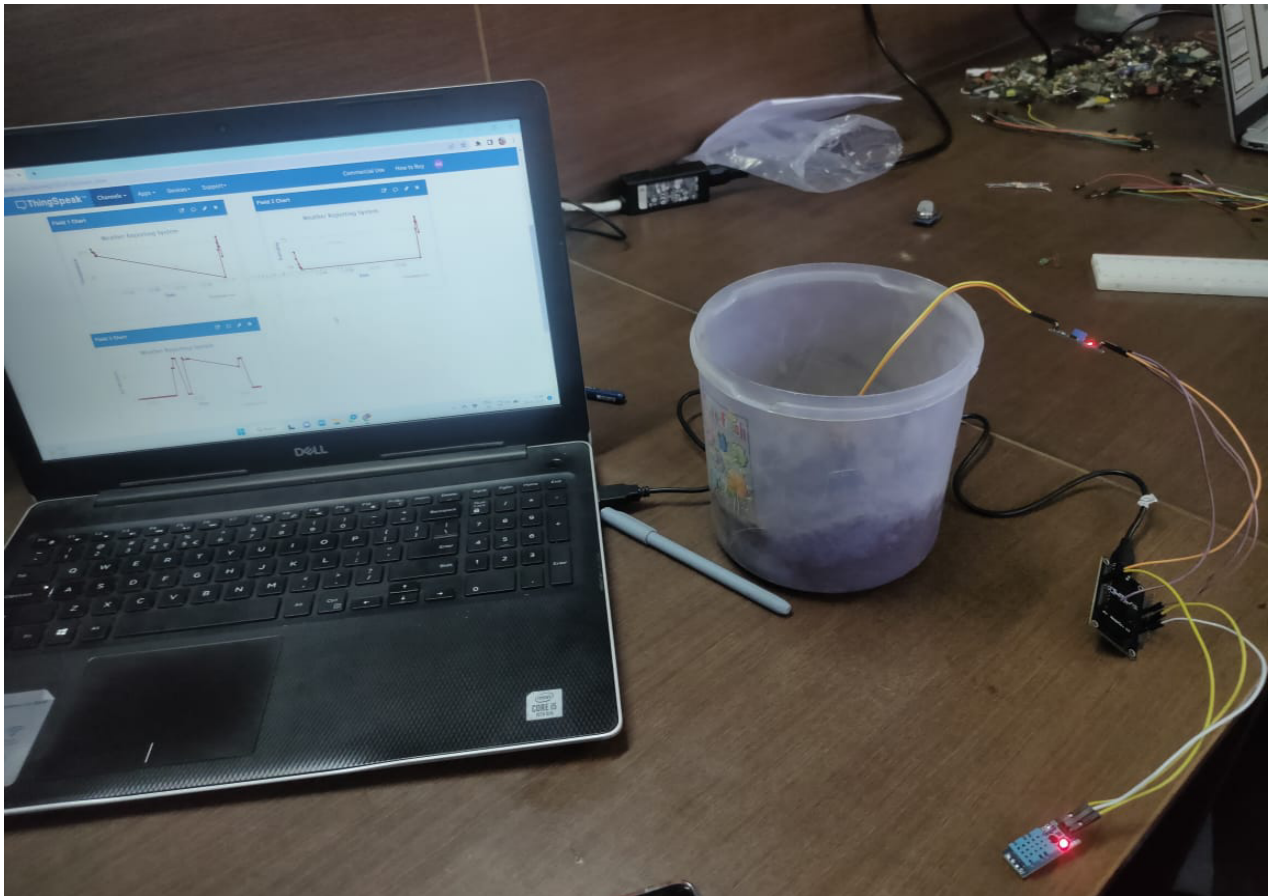
Glimpses of Technical Session

Certificates of Winners

SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY, MANAGEMENT & GRAMOTHAN, JAIPUR

STUDENT WORKSHOP ON

IOT AND SMART DEVICES (IOTSD-2022)

CERTIFICATE OF APPRECIATION

This is to certify that _____Devang Joshi_____ and his/her team of ___III___ semester of Swami Keshvanand Institute of Technology, M&G, Jaipur have worked on the idea of ___Home Automation___ project and secured ___I___ position in project competition held in workshop on IoT AND SMART DEVICES from November 21-26,2022 organized by Department of Electronics & Communication Engineering, SKIT, M&G, Jaipur, in association with Enovate Skill, Chandigarh and CSIR-IMMT: InTEC, Bhubaneswar.

Prof. S.L. Surana
Director Academics

Prof. Ramesh Kr. Pachar
Principal

Prof. Mukesh Arora
HEAD.ECE DEPT.

Dr. Swati Arora
Coordinator, IoTSD 2022

SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY, MANAGEMENT & GRAMOTHAN, JAIPUR

STUDENT WORKSHOP ON

IOT AND SMART DEVICES (IOTSD-2022)

CERTIFICATE OF APPRECIATION

This is to certify that _____Himanshu Agarwal_____ and his/her team of ___III___ semester of Swami Keshvanand Institute of Technology, M&G, Jaipur have worked on the idea of ___Home Automation___ project and secured ___I___ position in project competition held in workshop on IoT AND SMART DEVICES from November 21-26,2022 organized by Department of Electronics & Communication Engineering, SKIT, M&G, Jaipur, in association with Enovate Skill, Chandigarh and CSIR-IMMT: InTEC, Bhubaneswar.

Prof. S.L. Surana
Director Academics

Prof. Ramesh Kr. Pachar
Principal

Prof. Mukesh Arora
HEAD.ECE DEPT.

Dr. Swati Arora
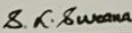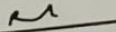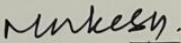Coordinator, IoTSD 2022

Certificates

**SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY, MANAGEMENT & GRAMOTHAN, JAIPUR**

STUDENT WORKSHOP ON

IOT AND SMART DEVICES (IOTSD-2022)

CERTIFICATE OF PARTICIPATION

This is to certify that _____ Deepanshu Khandelwal _____ of Swami Keshvanand Institue of Technology, Management & Gramothan, Jaipur has participated in a workshop on IoT AND SMART DEVICES from 21-26 November, 2022 organized by Department of Electronics & Communication Engineering, SKIT, M&G, Jaipur, in association with Enovate Skill, Chandigarh and CSIR-IMMT : InTEC, Bhubaneswar.

Prof. S.L. Surana
Director Academics

Prof. Ramesh Kr. Pachar
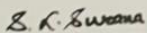Principal

Prof. Mukesh Arora
HEAD, ECE DEPT.

Dr. Rukhsar Zafar
Coordinator, IoTSD 2022

**SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY, MANAGEMENT & GRAMOTHAN, JAIPUR**

STUDENT WORKSHOP ON

IOT AND SMART DEVICES (IOTSD-2022)

CERTIFICATE OF PARTICIPATION

This is to certify that _____ Anupam Jain _____ of Swami Keshvanand Institue of Technology, Management & Gramothan, Jaipur has participated in a workshop on IoT AND SMART DEVICES from 21-26 November, 2022 organized by Department of Electronics & Communication Engineering, SKIT, M&G, Jaipur, in association with Enovate Skill, Chandigarh and CSIR-IMMT : InTEC, Bhubaneswar.

Prof. S.L. Surana
Director Academics

Prof. Ramesh Kr. Pachar
Principal

Prof. Mukesh Arora
HEAD, ECE DEPT.

Dr. Rukhsar Zafar
Coordinator, IoTSD 2022

City इवेंट्स

स्मार्ट डिवाइसेज पर कार्यशाला

बेधड़क. जयपुर। जगतपुरा स्थित स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी, मैनेजमेंट एंड ग्रामोथन की ओर से आयोजित की जा रही इंटरनेट ऑफ थिंग्स एंड स्मार्ट डिवाइसेज विषय पर एक सप्ताह की छात्र केंद्रित कार्यशाला का समापन हुआ। यह कार्यशाला इलेक्ट्रॉनिक्स और संचार इंजीनियरिंग विभाग द्वारा संयुक्त रूप से इनोवेट स्किल्स, चंडीगढ़ और सीएसआईआर-आईएमएमटी: आईएनटेक भुवनेश्वर के सहयोग से आयोजित की गई थी। कार्यक्रम के हैंड्स ऑन सेशन सेंटर ऑफ एक्सीलेंस-आईओटी एसकेआईटी में आयोजित कराए गए। समारोह के मुख्य अतिथि सुदेश रूप रॉय, सेक्रटरी इंस्टीट्यूट ऑफ इंजीनियर (इंडिया), राजस्थान स्टेट सेंटर रहे। रॉय ने प्रोजेक्ट प्रतियोगिता के विजेताओं को पुरस्कृत किया। डॉ. मुकेश अरोड़ा (विभागाध्यक्ष–ईसीई, हेड ऑफिस ऑफ फैकल्टी अफेयर) ने अतिथियों का स्वागत किया। संयोजक डॉ. रुखसार जफर, डॉ. स्वाति अरोड़ा, मंजू चौधरी, पूजा चौधरी, ललित कुमार लाटा और सुनील लखावत थे।

वर्तमान व भविष्य में इंटरनेट ऑफ थिंग्स की प्रासंगिकता को समझाया

जयपुर, समाचार जगत न्यूज। स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी, मैनेजमेंट एंड ग्रामोथन, जयपुर द्वारा इंटरनेट ऑफ थिंग्स एंड स्मार्ट डिवाइसेज विषय पर एक सप्ताह की छात्र केंद्रित कार्यशाला का उद्घाटन किया गया। यह कार्यशाला इलेक्ट्रॉनिक्स और संचार इंजीनियरिंग विभाग की ओर से संयुक्त रूप से इनोवेट स्किल, चंडीगढ़ और सीएसआईआर-आईएमएमटी: आईएनटेक भुवनेश्वर के सहयोग से आयोजित की गई थी। उद्घाटन समारोह के मुख्य अतिथि गुंजन सक्सैना डेप्युटी डायरेक्टर डिपार्टमेंट ऑफ टेलीकॉम राजस्थान व गेस्ट ऑफ ऑनर अजय गोदारा, सीईओ-इनोवेट स्किल, चंडीगढ़ थे। सक्सैना ने इंटरनेट ऑफ थिंग्स के आने वाले भविष्य से सभी को अवगत करवाया डॉ. एस. एल. सुराणा (निदेशक-शिक्षाविद) ने अतिथियों का स्वागत किया और वर्तमान एवं भविष्य में इंटरनेट ऑफ थिंग्स की प्रासंगिकता को समझाया डॉ. मुकेश अरोड़ा (विभागाध्यक्ष ईसीई , हेड ऑफिस ऑफ फैकल्टी अफेयर) ने धन्यवाद जताया। कार्यक्रम के संयोजक डॉ. रुखसार जफर, डॉ. स्वाति अरोड़ा, सुश्री मंजू चौधरी, सुश्री पूजा चौधरी, ललित कुमार लाटा व सुनील लखावत थे।

एसकेआईटी मे इंटरनेट ऑफ थिंग्स एंड स्मार्ट डिवाइसेज विषय पर एक सप्ताह की छात्र केंद्रित कार्यशाला का उद्घाटन

P3 Police Public Politics
जयपुर । स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी, मैनेजमेंट एंड ग्रामोथन, जयपुर द्वारा इंटरनेट ऑफ थिंग्स एंड स्मार्ट डिवाइसेज विषय पर एक सप्ताह की छात्र केंद्रित कार्यशाला का उद्घाटन किया गया। यह कार्यशाला इलेक्ट्रॉनिक्स और संचार इंजीनियरिंग विभाग द्वारा संयुक्त रूप से इनोवेट स्किल, चंडीगढ़ और सीएसआईआर-आईएमएमटी= आईएनटेक भुवनेश्वर के सहयोग से आयोजित की गई थी।उद्घाटन समारोह के मुख्य अतिथि श्री गुंजन सक्सैना डेप्युटी डायरेक्टर डिपार्टमेंट ऑफ टेलीकॉम राजस्थान व गेस्ट ऑफ ऑनर श्री अजय गोदारा, सीईओ-इनोवेट स्किल, चंडीगढ़ थे। कार्यक्रम के मुख्य अतिथि श्री गुंजन सक्सैना ने इंटरनेट ऑफ थिंग्स के आने वाले भविष्य से सभी को अवगत करवाया तथा उन्होंने सभी छात्रों को सर्बंधित क्षेत्र में नए रिसर्च व डेवलपमन्ट करने के लिए प्रोत्साहित किया। उन्होंने छात्रों को प्रेरित किया कि अपने देश के गौरवशाली संपन्नता को ढू ह ज़ के माध्यम से पुनर्जीवित किया जा सकता है तथा वसुधैव कुटुंबकम के लक्ष्य को प्राप्त किया जा सकता है। गेस्ट ऑफ ऑनर श्री अजय गोदारा, ने कहा कि इंटरनेट ऑफ थिंग्स तकनीक द्वारा समाज के बढ़ते डिजिटलीकरण और डेटाफिकेशन को कई नवीन और शानदार तरीकों से तेज किया जा रहा है। उन्होंने बताया कि इस कार्यशाला के माध्यम से छात्रों को उपयोगी गैजेट्स तथा उपयोगी प्रोजेक्ट्स बनाने का मौका मिलेगा। डॉ. एस. एल. सुराणा (निदेशक-शिक्षाविद) ने अतिथियों का स्वागत किया और वर्तमान एवं भविष्य में इंटरनेट ऑफ थिंग्स की प्रासंगिकता को समझाया तथा छात्रों को इनमें इसमें निहित अवसरों से अवगत कराया। डॉ. मुकेश अरोड़ा (विभागाध्यक्ष ईईसीई , हेड ऑफिस ऑफ फैकल्टी अफेयर) ने धन्यवाद प्रस्ताव रखा तथा कार्यक्रम के संयोजको को सफल आयोजन के लिए बधाई दी। कार्यक्रम के संयोजक डॉ. रुखसार जफर ,डॉ स्वाति अरोड़ा,सुश्री मंजू चौधरी , सुश्री पूजा चौधरी , श्री ललित कुमार लाटा व श्री सुनील लखावत थे।

स्मार्ट डिवाइसेज पर हुई कार्यशाला

ब्यूरो/नवज्योति, जयपुर। एसकेआईटी में इंटरनेट ऑफ थिंग्स एंड स्मार्ट डिवाइसेज विषय पर एक सप्ताह की कार्यशाला का उद्घाटन किया गया।इलेक्ट्रॉनिक्स और संचार इंजीनियरिंग विभाग, इनोवेट स्किल चंडीगढ़, सीएसआईआर-आईएमएमटी, आईएनटेक भुवनेश्वर के सहयोग से हो रही इस कार्यशाला में मुख्य अतिथि डिप्टी डायरेक्टर डिपार्टमेंट ऑफ टेलीकॉम राजस्थान गुंजन सक्सेना और सीईओ-इनोवेट स्किल के अजय गोदारा ने इंटरनेट ऑफ थिंग्स के आने वाले भविष्य से सभी को अवगत कराया। उन्होंने सभी छात्रों को सर्बंधित क्षेत्र में नए रिसर्च व डेवलपमेंट करने के लिए प्रोत्साहित किया। कार्यक्रम में डॉ. एसएल सुराणा, डॉ. मुकेश अरोड़ा, डॉ. रुखसार जफर सहित अन्य लोगों ने विचार रखे।

Technical Report of Workshop

One-week Student workshop on Internet of Things and Smart Devices (IoTSD-2022) witnessed its inaugural ceremony at Swami Keshvanand Institute of Technology Management and Gramothan, Jaipur on Monday, 21st November 2022.

The workshop was organized by the department of Electronics and Communication Engineering, SKIT Jaipur in association with Enovate Skill, Chandigarh and CSIR-IMMT:InTec, Bhubaneshwar.

The coordinators of this event were Dr. Rukhsar zafar , Dr. Swati Arora , Ms. Manju Choudhary ,Ms. Pooja Choudhary , Mr. Lalit Kumar Lata and Mr. Sunil Lakhawat

The program was graced by the benign presence of chief guest Mr. Gunjan Saxena, Dy. Director General, Department of Telecom, Rajasthan and Chairman of I.E., Rajasthan State Chapter and Guest of Honor Mr. Ajay Godara, CEO, Enovate Skill, Chandigarh. Professor S L Surana, Director (Academics), SKIT welcome the guests and inspired the gathering with his words of motivation. Mr. Gunjan Saxena highlighted the role of engineers in the nation development and focused about the importance of IoT in the daily walk of life. He also emphasized that how the theme of the workshop is relevant in the context of development in all around the world. Mr. Saxena also shared that the Electronics stream finds its vital involvement in all other streams and motivated the students to give their active participation in progress of nation. The guest of honor, Mr. Godara introduced the participants with the key findings of his work in the field of internet of things and also informed about the number of concerns and the risks in the growth of IoT technologies and products, especially in the areas of privacy and security. Prof. Mukesh Arora, Head, ECE Department, SKIT and Head-OFA, SKIT extended the vote of thanks and conveyed the best wishes to the participants.

In the session of the first day **Mr . Ajay Godara** delivered hands-on session on Arduino and different electronics sensors. The participants got a lot of experience to using Arduino on the platform on TinkerCad.

Second day was yet energetic and started again with hands-on session under guidance of **Mr. Ajay Godara**   who shared his expertise on ESP-8622 WiFi based microcontroller. It was quite knowledge enriching session. The session also follows knowledge of Humidity and temperature sensor along with uploading the data on cloud i.e., thinkspeak.

Technical Report of Workshop

Third day was started with much awaiting event i.e. Project competition based on IOT and Smart devices . It gave opportunity to all the participants to design attractive projects. Students participated enthusiastically in the competition.

Making the views meaningful, the Day 4 was began with Lecture taken by Mr. Dinesh Kumar. He enlightened the participants with his expertise in Transformers, Rectification, Filtration & Regulation. The day ended with a hands-on session on transformers and also Project demonstration of an auto curtain & Fan auto speeding using binary. Finally the workshop was ended with valedictory ceremony.

Feedback of Workshop
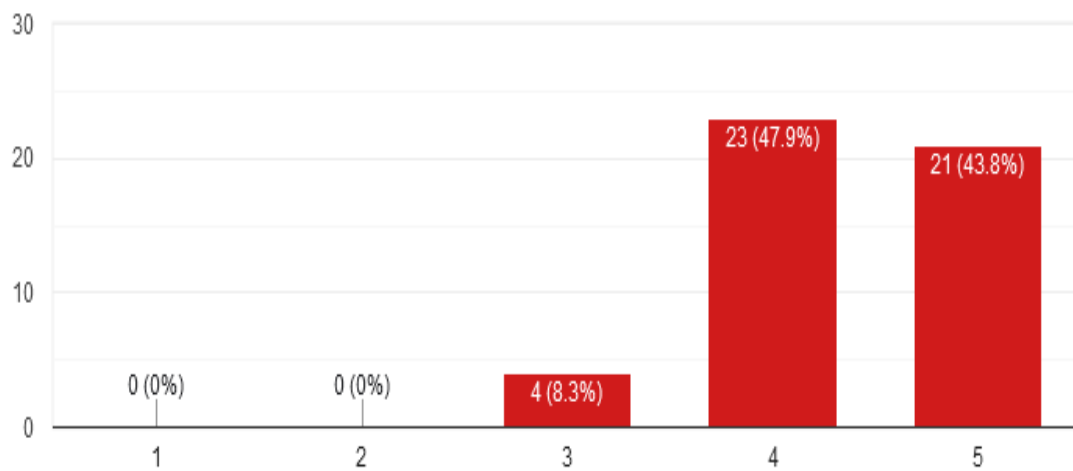
1. Your experience about the Workshop.
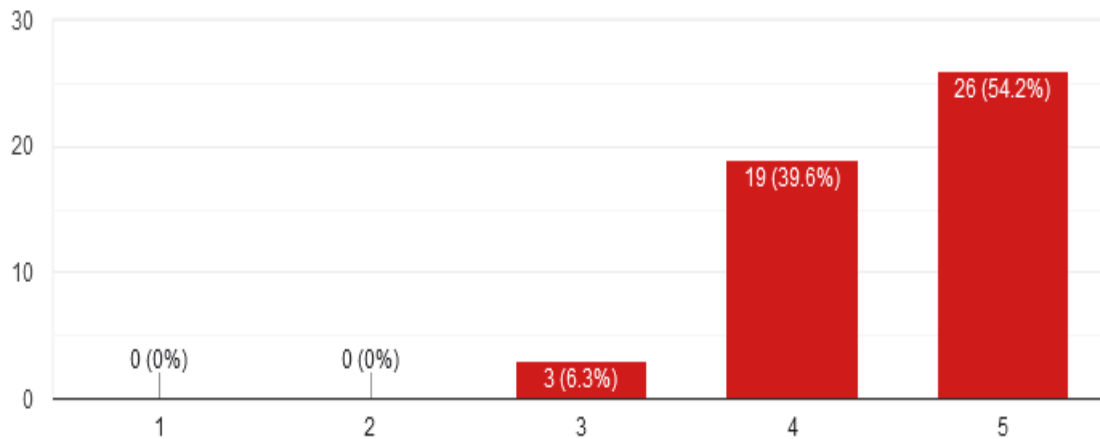
2. Overall, how do you rate the program you attended in terms of usefulness and effectiveness? (On a scale of 1 to 5, 1 being lowest):
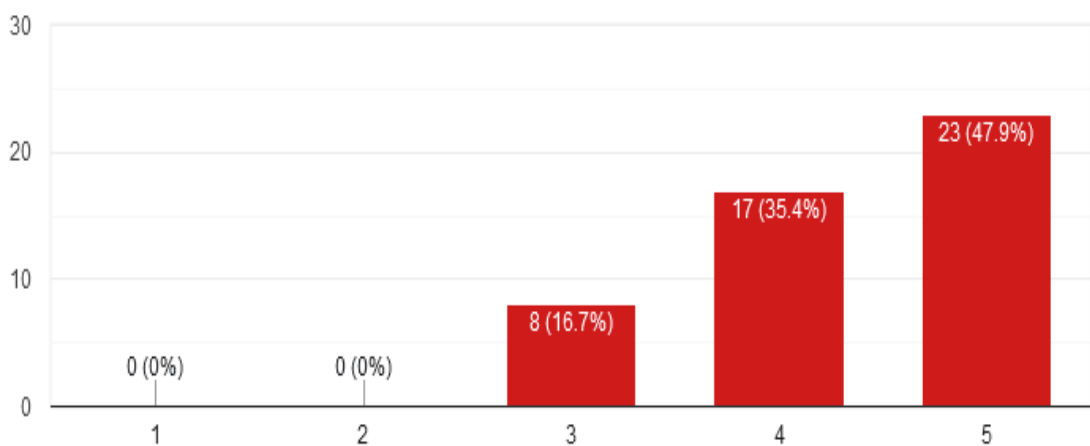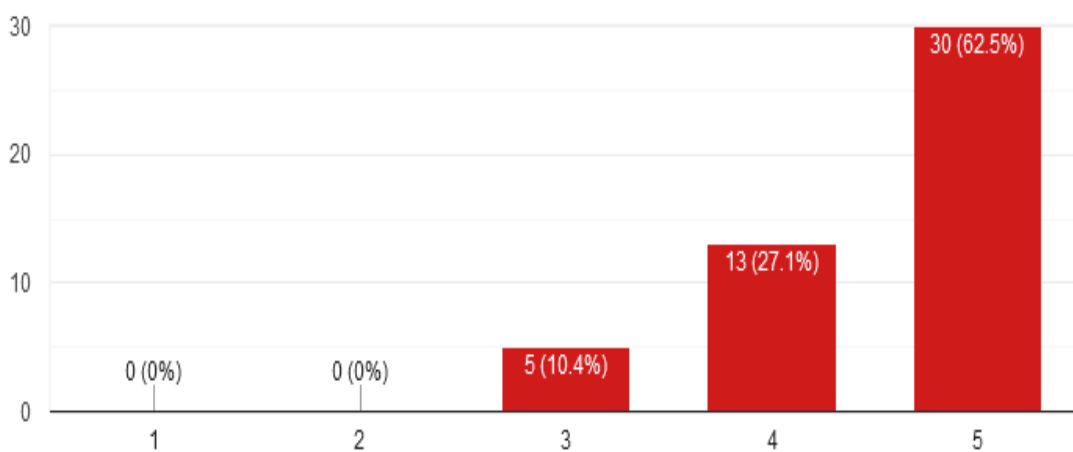
Feedback of Workshop

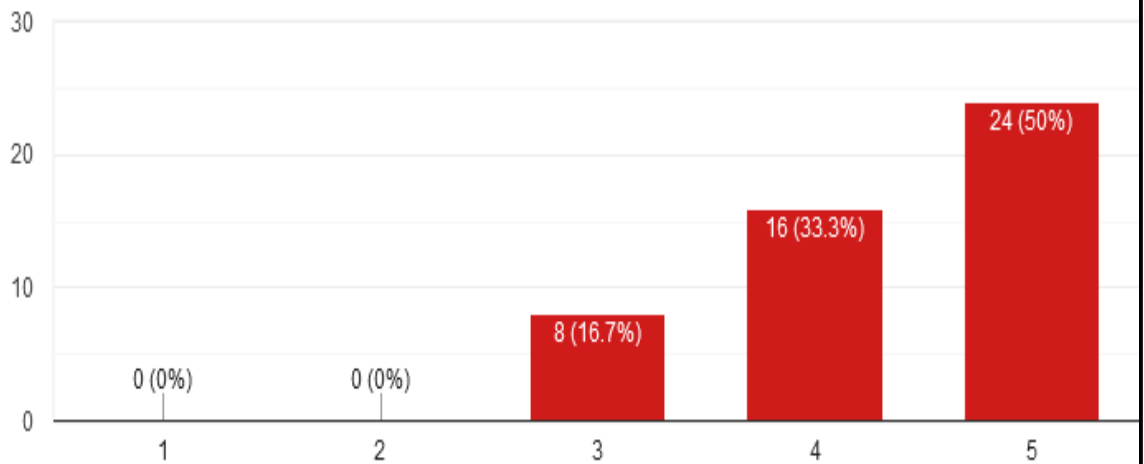3. how do you rate the content of the interaction? (On a scale of 1 to 5, 1 being lowest):

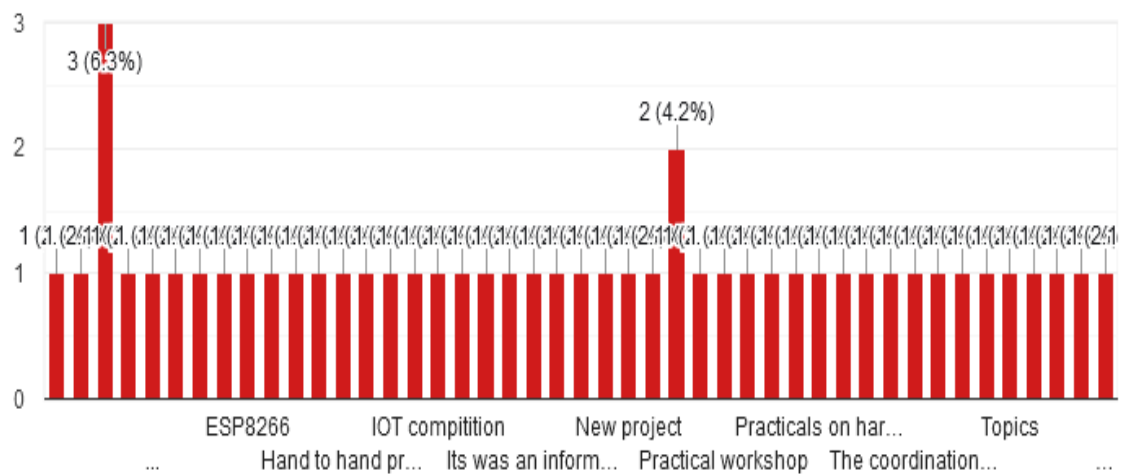4. How fo you rate your experience abouth the theme of workshop?

Feedback of Workshop

5. up to which extent this session will help to build your career?

6. What do you like the most in this interaction?

Feedback of Workshop

7. Suggestions