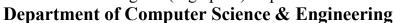


Ramnagaria (Jagatpura) Jaipur-17





REPORT

One Week Student Workshop

On

Applications of Artificial Intelligence and Machine Learning IOT

(Under the aegis of IOT-Centre of Excellence)

11th September -15th September, 2023

Submitted By

Dr. Vinay Kanungo, Associate Professor (CSE), SKIT

Dr. Yogendra Gupta, Associate Professor (CSE), SKIT

Dr. Niketa Sharma, Associate Professor (CSE), SKIT

Dr. Amit Sharma, Assistant Professor (CSE), SKIT

Dr. Meenakshi Nawal, Associate Professor (CSE), SKIT

Ms. Nidhi Srivastav, Associate Professor (CSE), SKIT

Ms. Priyanka Sharma, Assistant Professor (CSE), SKIT

Organized by

Department of Computer Science & Engineering (NBA Accredited) Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur-302017



Ramnagaria (Jagatpura) Jaipur-17



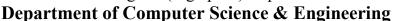
Department of Computer Science & Engineering

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Ramnagaria (Jagatpura) Jaipur-17





About SKIT

Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT) inspired from the learnings of Swami Keshvanand, was established in the year 2000 by Technocrats and Managers Society of Advanced Learning and Gramothan. Today the institute is recognized as one of the centers of academic excellence in Northern India. The Institute is affiliated to Rajasthan Technical University, Kota for offering Postgraduate and Graduate Courses in Engineering and Management. SKIT has been ranked no.1 engineering institute in Rajasthan by RTU, Kota consecutively for the last five years. The various undergraduate programmes of the institute are accredited by the National Board of Accreditation (NBA). Recently SKIT has achieved one more milestone under its flag with becoming the only affiliated technical institute in Rajasthan having an A++ grade from NAAC. The institute always promotes quality in academics and research by creating the required environment through infrastructural development, staff and faculty members, and other outreach activities.

Vision: To promote higher learning in advanced technology, management skills and industrial research to make our country a global player

Mission: To promote quality education, training and research in the field of engineering & management by establishing effective interface with industry and to encourage faculty to undertake industry sponsored projects for students.

Quality Policy: We are committed to 'achievement of quality' as an integral part of our institutional policy by continuous self-evaluation and striving to improve ourselves. Institute would pursue quality in

- All its endeavours like admissions, teaching- learning processes, examinations, extra and co-curricular activities, industry institution interaction, research & development, continuing education, and consultancy.
- Functional areas like teaching departments, Training & Placement Cell, library, administrative office, accounts office, hostels, canteen, security services, transport, maintenance section and all other services..

About Department of CSE

CSE Department of SKIT is NBA accredited and offer undergraduate programmes in CSE, CSE-AI, CSE-DS, and CSE-IOT, postgraduate and Ph.D. programmes in CSE. The major areas of research are Big Data Analytics, Cloud Computing & Virtualization, Artificial Intelligence, Security, Compilers& Programming Languages, Internet of things, Computer Architecture, Bioinformatics and Theoretical Computer Science. CSE Department has number of laboratories equipped with the state-of-the-art computing facilities. The



Management & Gramothan Ramnagaria (Jagatpura) Jaipur-17



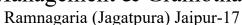
Department of Computer Science & Engineering

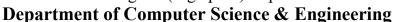
Department is also having a "Centre of Excellence in IoT" recognized by Rajasthan Technical University, Kota.

Approval letter for Faculty Development Programme

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Ref	: SKIT/CSE/2	022-23/	ed Events to be	organized in t	the Session 2023-2024	Date:	01.06.2023
S. No	Types of Event*	Title of Event	Mode of Conduction	Proposed Date	Name of Coordinator	Any Collaboration	Budget Required
1	Student Workshop	✓ Application of AI and Machine Learning in IOT / ✓ Technology Insights on IoT, AI and Data Science	Offline / Hybrid	04th - 08th September 2023	Dr. Vinay Kanungo Dr. Yogendra Kumar Gupta Dr. Niketa Sharma Dr. Amit Sharma Dr. Amit Sharma Ms. Priyanka Sharma Dr. Meenakshi Nawal Ms. Nidhi Srivastav	TensaX Innovation Lab-AI academy, IIT Patna, IIT Ropar, LNMIIT, MNIT	35,000/-
2	Expert Talk	Expert talk on "Sensor Networks: Evolution, Opportunities, and Challenges"	Physical Mode	14th September 2023	Dr. Nilam Choudhary, Aakriti Sharma	IEEE Rajasthan Subsection	3500/-
3	Student Workshop	Internet of Things	Hybrid	30 Oct 04 Nov. 2023	Dr. Sunil Dhankhar Ms. Anjana Sangwan Ms. Priyanka Sharma Dr. Praveen K Jain Mr. Ankit Agarwal Ms. Pooja Choudhary	ECE Department, SKIT COE-IOT, SKIT Enovate Skills, Chandigarh CSIR-IMMT- In TEC, Bhubneshwar	50,000/-









Organizing Committee of Workshop

Student Workshop is organized by Department of Computer Science & Engineering Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur, Under the guidance of Dr. Mukesh Gupta, HOD (CSE).

Coordinators of the Workshop are:

- 1. Dr. Vinay Kanungo, Associate Professor (CSE), SKIT
- 2. Dr. Yogendra Gupta, Associate Professor (CSE), SKIT
- 3. Dr. Niketa Sharma, Associate Professor (CSE), SKIT
- 4. Dr. Amit Sharma, Assistant Professor (CSE), SKIT
- 5. Dr. Meenakshi Nawal, Associate Professor (CSE), SKIT
- 6. Ms. Nidhi Srivastav, Associate Professor (CSE), SKIT
- 7. Ms. Priyanka Sharma, Assistant Professor (CSE), SKIT



Paramagement & Gramounal



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Department of Computer Science & Engineering

Objectives of the Workshop

The objectives of a student workshop on the Applications of Artificial Intelligence (AI) and Machine Learning (ML) in the Internet of Things (IoT) should align with providing participants with a comprehensive understanding of these technologies and their practical implementation in the context of IoT. Here are potential objectives for such a workshop:

1. Understanding Fundamentals:

Develop a foundational understanding of AI, ML, and IoT concepts among faculty members.

2. Integration of AI, ML, and IoT in Education:

Explore ways to integrate AI, ML, and IoT technologies into the curriculum to enhance teaching and learning experiences.

4. Practical Implementation:

Provide hands-on training on implementing AI and ML algorithms in IoT applications, allowing faculty to gain practical experience.

5. IoT System Design:

Teach faculty members how to design and implement IoT systems that leverage AI and ML for data analysis, decision-making, and automation.

6. Sensor Data Processing:

Explore methods for processing and analysing data from IoT sensors using machine learning techniques.

Contents of the Workshop

Content delivered by GFG mentor (Mr. Parth Patpatiya):

Day 1: Introduction to AI, ML, IoT, and Data Science

Theory (1 hour)

- Brief overview of AI, ML, IoT, and Data Science
- Importance and real-world applications of these technologies
- How these technologies intersect

Hands-on Session (2 hours)

- Setting up cloud-based development environments
- A small project to introduce basic programming for AI or IoT (e.g., a Hello World in TensorFlow or basic IoT sensor data collection)

Day 2: Basics of Machine Learning

Theory (1 hour)



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- Types of Machine Learning: Supervised, Unsupervised, and Reinforcement Learning
- Key ML Algorithms: Regression, Decision Trees, Clustering, etc.

Hands-on Session (2 hours)

- Basic machine learning project using a cloud-based tool (e.g., predicting house prices, classification of text)

Day 3: Fundamentals of IoT

Theory (1 hour)

- IoT architecture
- Role of Sensors and Actuators
- IoT Protocols: MQTT, CoAP, etc.

Hands-on Session (2 hours)

- Building a simple IoT system using cloud-based tools (e.g., collecting sensor data and sending it to the cloud)

Day 4: Data Science and Its Application in AI and IoT

Theory (1 hour)

- Basics of Data Science: Data Collection, Data Cleaning, Data Analysis
- Importance of Data Science in AI and IoT

Hands-on Session (2 hours)

- Working on a small Data Science project related to IoT or AI (e.g., data analysis on sensor data, sentiment analysis using ML algorithms)

Day 5: Integration and Project Development

Theory (1 hour)

- How AI, ML, IoT, and Data Science come together
- Case studies of integrated solutions

Hands-on Session (2 hours)

- Students will integrate what they've learned into a small project (e.g., An AI-based IoT system for climate control using Data Science for optimization)

Expert Lecture

Day 1

IOT with Thingspeak – Dr. Sandeep Saini

Day 2



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Department of Computer Science & Engineering

Remote Sensing – DR. SJ Nanda

Day 3

IOT in Healthcare – Dr. Sidharth Pancholi

Day 4

Communication requirements for IoT – 4G/5G- Dr. Brijesh Kumbhani

Day 5

Applications of AI in Robotics – Prof. Rajesh Kumar

Outcomes of the Workshop

A student workshop focused on the applications of Artificial Intelligence (AI) and Machine Learning (ML) in the Internet of Things (IoT) can yield several positive outcomes. These outcomes can contribute to students' knowledge, skills, and enthusiasm for these cutting-edge technologies. Here are potential outcomes of such a workshop:

1. Increased Awareness:

Students gain a heightened awareness of the applications of AI and ML in the IoT domain, understanding how these technologies are shaping the future of various industries.

2. Hands-On Experience:

Participants engage in practical, hands-on activities and projects that involve implementing AI and ML algorithms in IoT applications, gaining valuable technical skills.

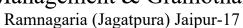
3. Problem-Solving Skills:

Students develop problem-solving skills by working on real-world challenges related to IoT, applying AI and ML techniques to analyze data, make predictions, and automate processes.

4. Team Collaboration:

Collaboration among students in group projects fosters teamwork and communication





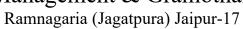


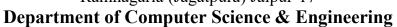
Department of Computer Science & Engineering

skills, reflecting the collaborative nature of many AI and IoT applications in the industry. Exposure to Industry Tools:

5. Introduction to industry-standard tools and platforms used in AI, ML, and IoT applications, providing students with practical experience that aligns with professional practices.







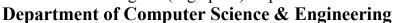


List of Experts (Resource persons)

	Name of the			
S.No.	resource person	Designation	Organization	Country
	Dr. Sandeep Saini,	Assistant Professor,	The LNMIIT, Jaipur	
		Department of ECE		
1				India
	Dr. S J Nanda,	Assistant Professor,	MNIT Jaipur	
	Assistant Professor	Department of ECE		
2	,			India
	Dr. Sidharth	PD Fellow	Harvard Medical	
	Pancholi,	Harvard Medical	School, USA	
		School, USA		
3				USA
	Dr. Brijesh	Assistant Professor	IIT, Ropar	
	Kumbhani,	Department of		
		Electrical		
		Engineering		
4				India
	Prof. Rajesh Kumar	Professor	MNIT Jaipur	
	MNIT Jaipur	Department of		
		Elecrical		
5		Engineering,		India
	Mr. Parth Patpatiya	Associate Mentor,	GeeksforGeeks, Noida	
		GeeksforGeeks,		
6		Noida		India
	Mr. Sandeep Jain	CEO,	GeeksforGeeks, Noida	
		GeeksforGeeks,		
		Noida		
7				India



Ramnagaria (Jagatpura) Jaipur-17





Workshop Brochure

PATRON

Shri Raja Ram Meel, Patron, SKIT Shri Surja Ram Meel, Chairman, SKIT

ADVISORS

Shri Jaipal Meel, Director, SKIT Prof. (Dr.) S.L. Surana, Director (Acad.), SKIT Mrs. Rachna Meel, Registrar, SKIT Prof. Ramesh Kumar Pachar, Principal, SKIT Mrs. Abha Meel, Adviser, SKIT Prof. (Dr.) R.K. Jain, Dean, SKIT Prof. (Dr.) Mukesh Gupta, HOD (CSE), SKIT Prof. (Dr.) Anil Choudhary, HOD (IT), SKIT Prof. (Dr.) Mukesh Arora, HOD (ECE), SKIT Prof. (Dr.) Dheeraj Joshi, HOD (ME), SKIT Prof. (Dr.) D.K. Sharma, HOD (CE), SKIT Dr. Sarfaraj Nawaz, HOD (EE), SKIT Prof. (Dr.) Ona Ladiwal, HOD (DMS), SKIT Prof.(Dr.) Rohit Mukherjee, Incharge, B. Tech. I Year, SKIT Prof. (Dr.) Amber Shrivastava, Head (Maths), SKIT Dr. Sharda Soni, Head (Chemistry), SKIT Prof. (Dr.) Brajraj Sharma, Head (Physics), SKIT Prof. (Dr.) Neha Purohit, Head (English), SKIT

COORDINATORS

Dr. Vinay Kanungo, Associate Professor (CSE), SKIT Dr. Yogendra Gupta, Associate Professor (CSE), SKIT Dr. Niketa Sharma, Associate Professor (CSE), SKIT Dr. Amit Sharma, Assistant Professor (CSE), SKIT Dr. Meenakshi Nawal, Associate Professor (CSE), SKIT Ms. Nidhi Srivastav, Associate Professor (CSE), SKIT Ms. Priyanka Sharma, Assistant Professor (CSE), SKIT

ORGANIZING COMMITTEE

Department of Computer Science & Engineering, Swami Keshwanand Institute of Technology, Management & Gramothan, Jaipur, Rajasthan, India-302017.

REGISTRATION FORM

To join this workshop, you are requested to register your name by clicking the following registration link / QRcode: https://shorturl.at/ilwQ6



Note:

- ✓ Student workshop will be conducted in offline
 mode.
- ✓ The registration for the workshop is on first come first serve basis. Limited seats available. Register early to secure your spot!
- ✓ Certificate will be provided to the participants who will attend 80% of the sessions and submit feedback of the workshop.
- ✓ For any queries regarding student workshop, please contact: drniketa@skit.ac.in

Dr. Vinay Kanungo Mobile: +91-97841-24995

Dr. Yogendra Gupta Mobile: +91-94687-39571

Dr. Niketa Sharma Mobile: +91-70141-28907

Dr. Amit Sharma Mobile: +91-90017-59865

Dr. Meenakshi Nawal Mobile: +91-88909-05366

Ms. Nidhi Srivastav Mobile: +91-99813-81882

Ms. Priyanka Sharma Mobile: +91-88906-06912 One Week Student Workshop

on

"Applications of Artificial Intelligence & Machine Learning in IoT"

11th Sep - 15th Sep, 2023



DEPARTMENT OF CSE
(Under the aegis of IoT-Centre of Excellence)



Swami Keshvanand Institute of Technology, Management & Gramothan, Ramnagaria, Jagatpura, Jaipur – 302017

In collaboration with

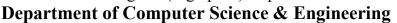
GEEKS FOR GEEKS

 $(One\ stop\ e\text{-}learning\ platform\ for\ computer\ science\ geeks)$





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ABOUT PROGRAMME

The "Applications of Artificial Intelligence & Machine Learning in IoT" workshop is an immersive learning experience designed to provide students with a comprehensive understanding of the integration of Artificial Intelligence (AI) and Machine Learning (ML) in the Internet of Things (IoT) landscape. This workshop is an opportunity for students to explore the cutting-edge synergy between AI, ML, and IoT technologies and gain hands-on experience in developing IoT solutions. It is a collaborative effort with the esteemed training partner, Geeks for Geeks, renowned for its expertise in cutting-edge technology education

OBJECTIVES OF THE STUDENT WORKSHOP

- Equip students with a comprehensive understanding of AI and Machine Learning integration with IoT.
- Explore practical insights into leveraging AI for data analysis, predictive modeling, and automation in IoT systems.
- Hands-on experience through interactive sessions and collaborative projects, enhancing skills and knowledge.
- Foster collaboration and networking among participants interested in emerging technologies.
- Empower students to envision and contribute to the future of AI-driven IoT solutions.

CONTENTS

- Introduction to IoT, AI, and Machine Learning synergies.
- Real-world case studies showcasing successful AI amd ML applications in IoT.
- Hands-on workshops on implementing AI-driven solutions for IoT challenges.
- Group projects encouraging creativity and innovative problem-solving.
- Q&A sessions with industry experts sharing invaluable career perspectives.

ABOUT SKIT JAIPUR

Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT) has been Ranked No. 1 Engineering Institute in Rajasthan by RTU, Kota consecutively for the last five years. SKIT is a selective comprehensive institution offering Undergraduate, Postgraduate & Doctorate Programmes in Engineering and Management. The institute was established in the year 2000 by a team of committed Professionals and Academicians. During all the past years SKIT has emerged as a Premier Center of Technical Education not only in Rajasthan but also in Northern India which has been realized through efficient and dedicated Faculty Members, Innovative Teaching Learning Methods, State of the art infrastructures and Core Value of Discipline. The various undergraduate programmes of the institute are accredited by the National Board of Accreditation (NBA). Located in the Pink City Jaipur, which is a blend of traditional history and modern outlook, SKIT is putting in efforts for making industry ready engineers and managers through effective Industry -Institute Interface. Apart from University curriculum SKIT also pursues activities for Research and Development in various fields. The green landscaping, aesthetic elegance of arches and the vibrant pursuit of knowledge by the young aspirants make the environment serene, pleasant and dynamic

DEPARTMENT OF CSE

The Department of CSE holds NBA accreditation and provides a comprehensive range of academic programs, including UG, PG, and Ph.D. offerings in the field of CSE. The department boasts a strong emphasis on cutting-edge research, focusing on key domains such as Big Data Analytics, Cloud Computing & Virtualization, Artificial Intelligence, Bioinformatics, and IoT. Within the department, several advanced research laboratories are established to facilitate innovative research endeavors. In recognition of its exceptional contributions, earned the prestigious award as a "Center of Excellence in IoT" by Rajasthan Technical University, Kota.

RESOURCE PERSONS

The various sessions of this workshop will be taken by the Distinguished experts from renowned institutions and industries across the globe.

TARGETED AUDIENCE

This workshop will be very helpful for the students of 2^{nd} and 3^{rd} year from different branches of engineering (CSE, ECE, IT, EE) of SKIT Jaipur.

REGISTRATION FEE

There is no registration fee.

IMPORTANT DATES

Last Date for Online Registration: 07/09/2023 Workshop Dates: 11/09/2023 to 15/09/2023













Workshop Schedule





Swami Keshvanand Institute of Technology Management & Gramothan, Jaipur

One Week Student Workshop on

"Applications of Artificial Intelligence & Machine Learning in IoT" Organized by

Department of CSE

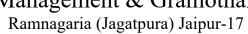
(Under the aegis of IoT-Centre of Excellence)

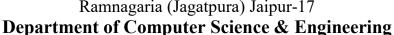
11th Sep - 15th Sep, 2023

Schedule

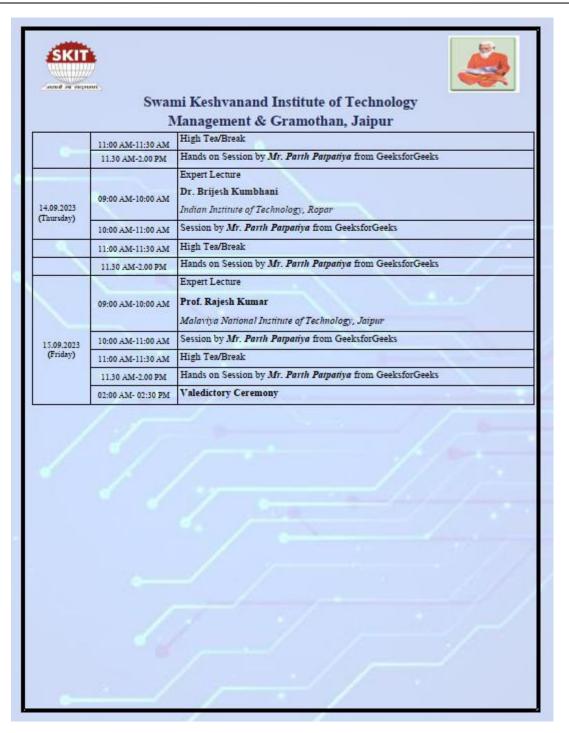
Date	Time	Expert Name				
	09:00 AM-09:30 AM	Inaugural Ceremony- Chief Guest Dr. Sandeep Saini The LNM Institute of Information Technology, Jaipur				
11.09.2023 (Monday)	09:30 AM-10:30 AM	Expert Lecture Dr. Sandeep Saini The LNM Institute of Information Technology, Jaipur				
	10:30 AM-11:00 AM	sion by Mr. Parth Patpatiya from GeeksforGeeks				
	11:00 AM-11:30 AM	High Tea/Break				
	11.30 AM-2.00 PM	Hands on Session by Mr. Parth Patpatiya from GeeksforGeeks				
	09:00 AM-10:00 AM	Expert Lecture Dr. S.J. Nanda Malaviya National Institute of Technology, Jaipur				
12.09.2023 (Tuesday)	10:00 AM-11:00 AM	Session by Mr. Parth Patpatiya from GeeksforGeeks				
(Tablas)	11:00 AM-11:30 AM	High Tea/Break				
	11.30 AM-2.00 PM	Hands on Session by Mr. Parth Patpatiya from GeeksforGeeks				
13.09.2023 (Wednesday)	09:00 AM-10:00 AM	Expert Lecture Dr. Sidharth Pancholi Harvard Medical School and Massachusetts General Hospital United States				
	10:00 AM-11:00 AM	Session by Mr. Parth Patpatiya from GeeksforGeeks				



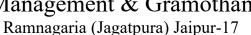












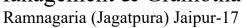


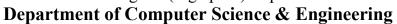
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Inaugural: Minute to Minute Schedule











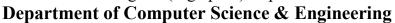
Glimpses of Inaugural Ceremony







Ramnagaria (Jagatpura) Jaipur-17





News Coverage



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A one-week student workshop on "Applications of Artificial Intelligence & Machine Learning in IOT" under the aegis of IOT-Centre of Excellence was successfully started by the Department of Computer Science & Engineering in Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur under the guidance of Prof (Dr) Mukesh Kumar Gupta (HOD, CSE) on Monday. Dr. Sandeep Saini, Assistant Professor, LNMIIT, Jaipur was the chief guest of the event. Prof. (Dr) Anil Choudhary(HOD, IT), SKIT Jaipur addressed all the gathering about the college and the significance of the workshop.



Ramnageriia (Jagatpura) Jaipur-17





आर्टिफिशियल इंटेलिजेंस पर कार्यशाला

ब्यूरो/नवज्योति, जयपुर। एसकेआईटी में एप्लिकेशन्स ऑफ

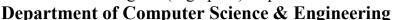
आर्टिफिशियल इंटेलिजेंस एंड मशीन लर्निंग इन आईओटी पर एक सप्ताह की छा ठा कार्यशाला हुई। इसमें प्रो. मुकेश कुमार गुप्ता,



प्रो. अनिल चौधरी ने आर्टिफिशियल इंटेलिजेंस के महत्व को समझाया और छात्र कार्यशाला के लिए चुने गए विषय की सराहना की। इस मौके पर प्रो. पंकज दाधीच, डॉ. संदीप सैनी सहित अन्य लोगों ने विचार व्यक्त किए।



Ramnagaria (Jagatpura) Jaipur-17





एसकेआईटी में सात दिवसीय कार्यशाला शुरू

आर्टिफिशियल इंटेलिजेंस का बताया महत्व

महानगर संवाददाता

स्वामी केशवानंद जयपर। इंस्टीट्यूट ऑफ टेक्नोलॉजी, मैनेजमेंट एंड ग्रामोथन जयपुर में आईओटी-सेंटर ऑफ एक्सीलेंस के तत्वावधान में 'प्लिकेशंस ऑफ आर्टिफिसियल इंटेलिजेंस एंड मशीन लर्निंग इन आईओटी' पर कंप्यटर विज्ञान और इंजीनियरिंग विभाग की ओर से प्रो. मुकेश कुमार गुप्ता के मार्गदर्शन में सात दिवसीय छात्र कार्यशाला शुरू हुई। मुख्य अतिथि एलएनएमआईआईटी के सहायक प्रोफेसर डॉ. संदीप सैनी रहे।

कार्यशाला के पहले दिन आईटी विभाग के विभागाध्यक्ष प्रो. अनिल चौधरी ने आर्टिफिशियल इंटेलिजेंस के महत्व को समझाया। गीक फॉर गीक्स के पार्थ पटपटिया

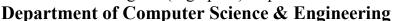


ने आर्टिफिशियल इंटेलिजेंस की फ्लिकेशंस के बारे में अपने विचार साझा किए। कार्यशाला समन्वयक डॉ. निकेता शर्मा ने प्रतिभागियों को कार्यशाला के बारे में जानकारी दी। सीएसई के उप विभागाध्यक्ष प्रो. पंकज दाधीच ने गणमान्य लोगों व प्रतिभागियों का स्वागत किया। समन्वयक डॉ. विनय कानूनगो ने धन्यवाद जापित किया।

इस दौरान डॉ. योगेन्द्र गुप्ता, डॉ. विनय कानूनगो, डॉ. निकेता शर्मा, डॉ. मीनाक्षी नवाल, निधि श्रीवास्तव, डॉ. अमित कुमार शर्मा, प्रियंका शर्मा आदि मौजूद रहे। कार्यशाला में डॉ. ब्रिजेश कुंभानी (आईआईटी, रोपड़), डॉ. सिद्धार्थ पंचोली (हार्वर्ड मेडिकल स्कूल, बोस्टन), प्रो. राजेश कुमार (एमएनआईटी, जयपुर), डॉ. संदीप सैनी (एलएनएमआईआईटी, जयपुर), डॉ. एसजे नंदा (एमएनआईटी, जयपुर) और उद्योगों के विभिन्न प्रतिष्ठित वक्ता क्अपने तकनीकी ज्ञान को साझा करेंगे।



Ramnagaria (Jagatpura) Jaipur-17







इKIT में वर्कशॉप शुरू स्टूडेंट्स ने समझा एआई का उपयोग

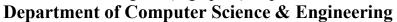
बेधड़क । जयपुर

स्वामी केशवानंद इंस्टीट्यूट ऑफ टेक्नोलॉजी, मैनेजमेंट एंड ग्रामोथन (SKIT) में स्ट्डेंटस ने आर्टिफिशियल इंटेलीजेंस व मशीन लर्निंग के उपयोग की प्रक्रिया को समझा। इंस्टीट्यट में कंप्यूटर विज्ञान व इंजीनियरिंग विभाग की ओर से आईओटी-सेंटर ऑफ एक्सीलेंस के तत्वावधान में आयोजित वर्कशॉप 'एप्लिकेशन्स ऑफ आर्टििफिशियल इंटेलिजेंस एंड मशीन लर्निंग इन आईओटी' की शुरुआत हुई। एक सप्ताह तक चलने वाली यह कार्यशाला प्रो. मुकेश कुमार गुप्ता के मार्गदर्शन में चलाई जाएगी। पहले दिन आईटी एचओडी प्रो. अनिल चौधरी ने प्रतिभागी छात्राओं को कार्यशाला के महत्व व विषयवस्त् के बारे में जानकारी दी। उन्होंने आर्टिफिशियल इंटेलीजेंस के महत्व के बारे में स्टडेंट्स को बताया। सीएसई के उप विभागाध्यक्ष प्रो. पंकज दाधीच ने गणमान्य व्यक्तियों व प्रतिभागियों का स्वागत किया। एलएनएमआईआईटी के सहायक प्रोफेसर डॉ. संदीप सैनी ने मुख्य अतिथि के रूप में स्टूडेंट्स का मार्गदर्शन किया। उन्होंने कहा कि आर्टिफिशियल इंटेलिजेंस आईटी का भविष्य है। गीकफॉरगीक्स के पार्थ पटपटिया ने आर्टिफिशियल इंटेलिजेंस की ऍप्लिकेशन्स के बारे में जानकारियां साझा कीं। कार्यशाला समन्वयक डॉ. निकेता शर्मा ने कार्यशाला में कवर किए जाने वाले पाठ्यक्रम पर प्रकाश डाला। अंत में समन्वयक डॉ. विनय कानूनगो ने धन्यवाद ज्ञापित किया। कार्यशाला में आईआईटी रोपड़ के डॉ. ब्रिजेश कुंभानी, हार्वर्ड बिजनेस स्कूल बोस्टन के डॉ. सिद्धार्थ पंचोली, एमएनआईटी से प्रो. राजेश कुमार व डॉ. एसजे नंदा, एलएनएमआईआईटी से डॉ. संदीप सैनी सहित आईटी से जुड़े विभिन्न प्रतिष्ठित विशेषज्ञ कार्यशाला में प्रतिभागियों के साथ तकनीकी ज्ञान साझा करेंगे। यह कार्यशाला डॉ. योगेन्द्र गुप्ता, डॉ. विनय कानूनगो, डॉ. निकेता शर्मा, डॉ. मीनाक्षी नवाल, निधि श्रीवास्तव, डॉ. अमित कुमार शर्मा व प्रियंका शर्मा के द्वारा संयोजित की जा रही है।

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Ramnagaria (Jagatpura) Jaipur-17





Photographs of event

Inaugural ceremony



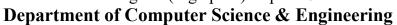
Day 1:

Session 1:





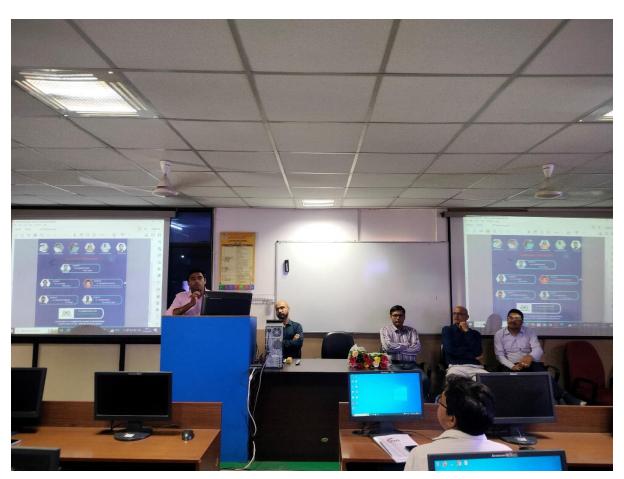
Ramnagaria (Jagatpura) Jaipur-17



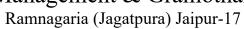


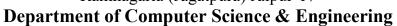


Session 2:











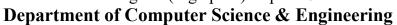
Day 2:

Session 1:



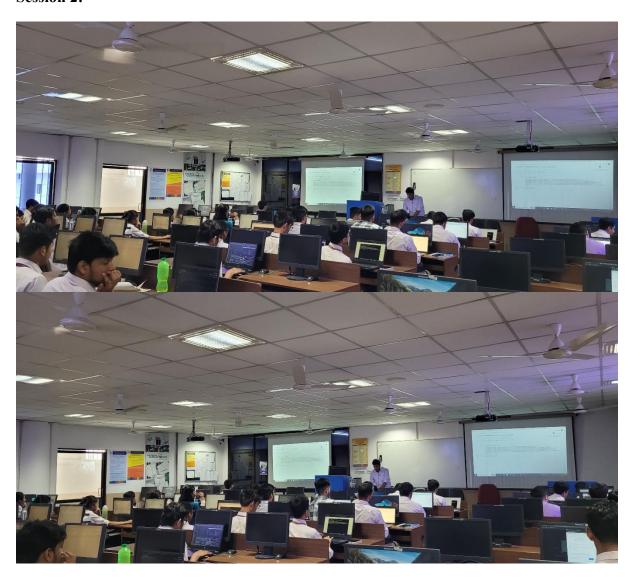


Ramnagaria (Jagatpura) Jaipur-17





Session 2:







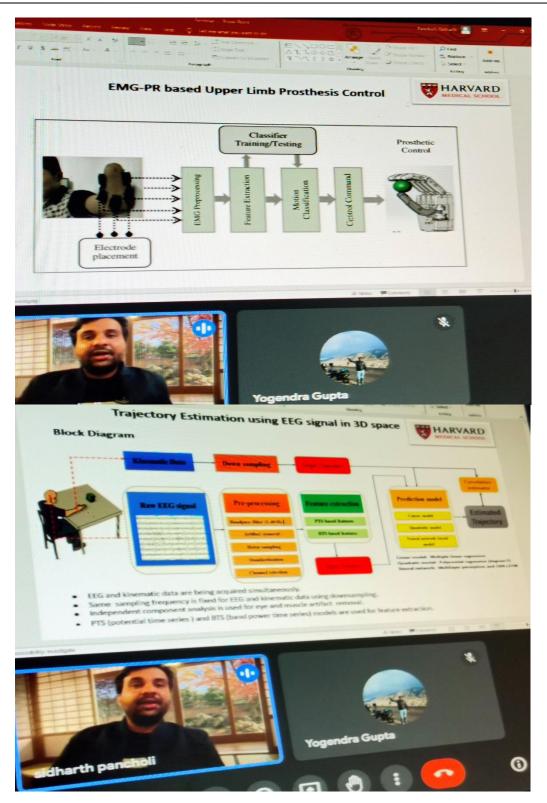
Ramnagaria (Jagatpura) Jaipur-17 **Department of Computer Science & Engineering**

Day 3:			
Session 1:			



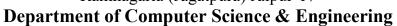








Ramnagaria (Jagatpura) Jaipur-17





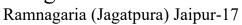
Session 2

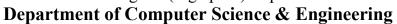


Day 4:









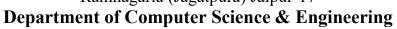




Day 5:



Ramnagaria (Jagatpura) Jaipur-17

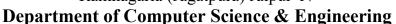








Ramnagaria (Jagatpura) Jaipur-17





Valedictory Ceremony

A one week student workshop on "Applications of Artificial Intelligence and Machine Learning IOT", came to an end on 15thSept, 2023, with a Valedictory function. There were many participants during the event alongside the experts Mr. Parth Patpatiya (Mentor, GeeksforGeeks), The experts shared their views on the relevance and execution of this Workshop, also the participants shared their experience during the complete workshop.

Dr. Yogendra Gupta, Associate Professor, Dept of CSE, SKIT presented the report on the Workshop during this event and at the end, to conclude this workshop.



Management & Gramothan Ramnagaria (Jagatpura) Jaipur-17



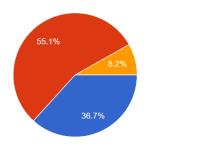
Department of Computer Science & Engineering

Strong AgreeAgreeNeutralDisagreeStrongly Disagree

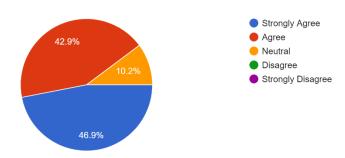
Feedback Analysis

Day1

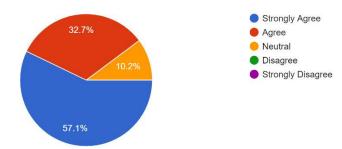
The objectives of the session were clearly defined: 49 responses



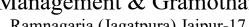
The topics covered were relevant to the workshop: 49 responses

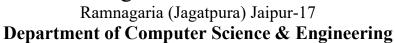


Experts were well prepared:



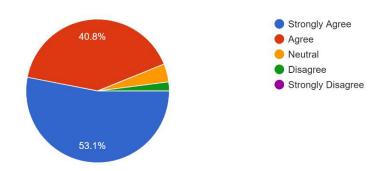






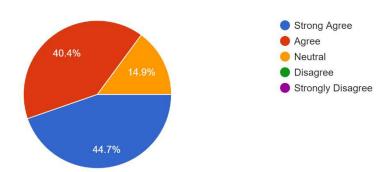


The time allotted for the session was sufficient: 49 responses



Day 2

The objectives of the session were clearly defined:





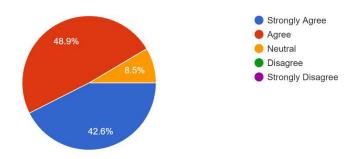
Management & Gramothan Ramnagaria (Jagatpura) Jaipur-17



Department of Computer Science & Engineering

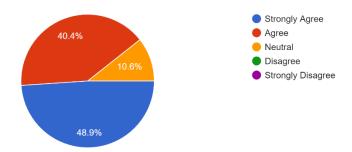
The topics covered were relevant to the workshop:

47 responses

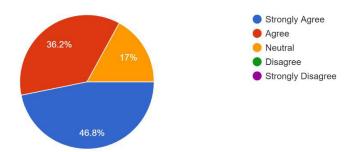


The time allotted for the session was sufficient:

47 responses



Experts were well prepared:





Ramnagaria (Jagatpura) Jaipur-17

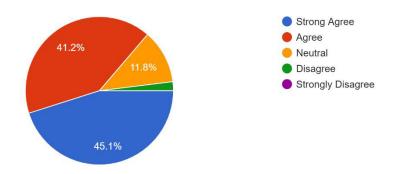


Department of Computer Science & Engineering

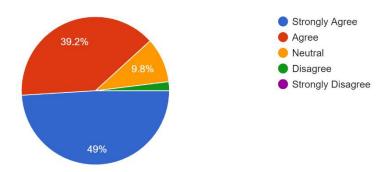
Day 3

The objectives of the session were clearly defined:

51 responses



The topics covered were relevant to the workshop:





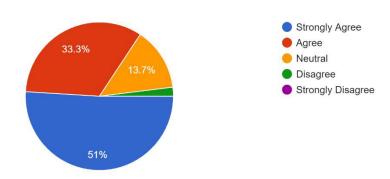




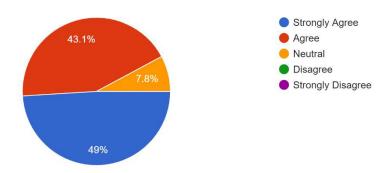
Department of Computer Science & Engineering

Experts were well prepared:

51 responses



The time allotted for the session was sufficient:





Ramnagaria (Jagatpura) Jaipur-17

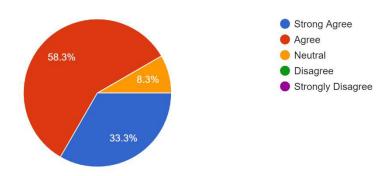


Department of Computer Science & Engineering

Day 4

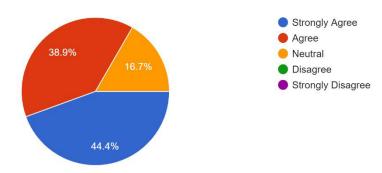
The objectives of the session were clearly defined:

36 responses

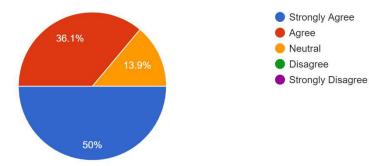


The topics covered were relevant to the workshop:





Experts were well prepared:





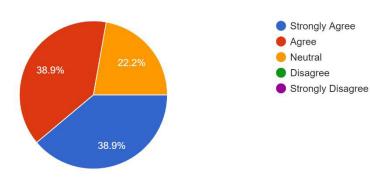
Ramnagaria (Jagatpura) Jaipur-17



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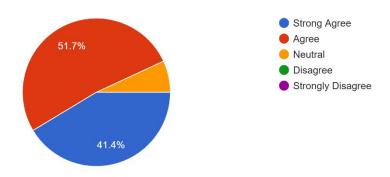
The time allotted for the session was sufficient:

36 responses

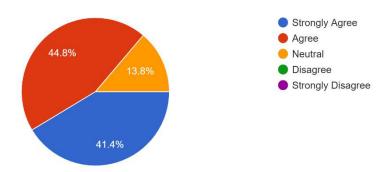


Day 5

The objectives of the session were clearly defined: 29 responses



The topics covered were relevant to the workshop:





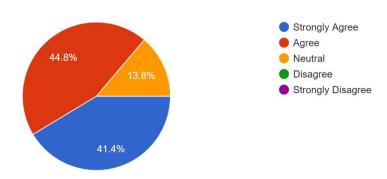
Ramnageriia (Jagatpura) Jaipur-17



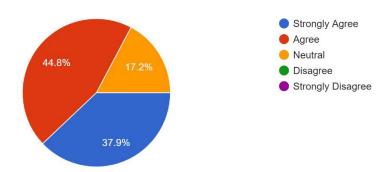
Department of Computer Science & Engineering

Experts were well prepared:

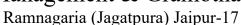
29 responses

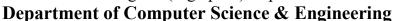


The time allotted for the session was sufficient:







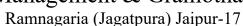


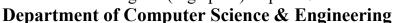


Sample Copy of Participant's Certificate











Sample Copy of Expert's Certificate



September 11-15, 2023

Certificate of Appreciation

This is to certify that Dr./Mr./Ms. SIDHARTH PANCHOLI has contributed as a resource person in one week student workshop on "Applications of Artificial Intelligence and Machine Learning in IoT" from 11-15 September, 2023 organized by Department of Computer Science & Engineering, Swami Keshvanand Institute of Technology, M & G, Jaipur under the aegis of Center of Excellence-IoT, SKIT, Jaipur and in collaboration with GeeksforGeeks.

Dr. Mukesh Kumar Gupta Head- CSE

Dr. Yogendra Gupta Coordinator, IoT CoE





Ramnagaria (Jagatpura) Jaipur-17

Department of Computer Science & Engineering

List of Registered Participants

		cgistered i	<u>I</u>	1
	Name	Roll No.	Branch	Semester
1	Varenyam Sharma	21ESKCA115	Al	v
2	Roshan Kumar Singh	21ESKCA303	Al	V
3	Prince Agrawal	21ESKCA301	Al	V
4	Vicky soni	21ESKCA116	Al	v
5	Yash gupta	21ESKCA122	Al	v
6	VIDIT KHANDELWAL	21ESKCA117	Al	v
7	SUYASH AMETA	21ESKCA107	Al	v
8	SHUBHAM DHABHAI	21ESKCa103	Al	v
9	ANSH KUMAR	21ESKCA016	Al	v
10	AADITYA AGARWAL	21ESKCA009	Al	v
11	ABHISHEK GUPTA	21ESKCA007	Al	v
12	AADITYA KAUSHIK	21ESKCA001	Al	v
13	GAUTAM SETHIYA	21ESKCA045	Al	v
14	DEVESHWAR SINGH RAJAWAT	21ESKCA037	Al	v
15	Aarish Quazi	21ESKCA003	Al	v
16	ADITYA SHARMA	21ESKCA002	Al	v
17	Kanishk Dutt Sharma	21ESKCA058	Al	v
18	Divyanshu Gupta	21ESKCA039	Al	v
19	Dharmpal Yadav	21ESKCA038	Al	v
20	Jigyashu Sharma	21ESKCS104	CSE	v
21	Priyanshu sharma	21ESKCS303	CSE	v
22	Sonali jain	21ESKCS830	CSE	V
23	Siddhi Agarwal	21ESKCS827	CSE	V
24	Khushi Kaur Anand	21ESKCS111	CSE	V
25	shruti sharma	21ESKCS823	CSE	V
26	Rucha Kukreti	21ESKCS193	CSE	v
27	SOMYA JAIN	21ESKCS829	CSE	V
28	Shreya Gupta	21ESKCS820	CSE	v
29	Umang Joshi	22ESKCS823	CSE	Ш
30	Anant	22ESKCS020	CSE	III
31	Amartya Sharma	22ESKCS019	CSE	Ш
32	Aditya Dadhich	22ESKCS008	CSE	Ш
33	Raghav Pratap Singh Saini	22ESKCS175	CSE	III
34	PAYAL NAGAR	21ESKCS155	CSE	v
35	ARUSHI	21ESKCS042	CSE	v





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36	AAKASH GUPTA	21ESKCS003	CSE	v
37	RATIK ARORA	21ESKCS180	CSE	v
38	BHARG MAHAJAN	21ESKCS054	CSE	v
39	ADITYA BHATNAGAR	21ESKCS018	CSE	v
40	ABHISHEK CHOUDHARY	21ESKCS011	CSE	v
41	ABHISHEK SONI	21ESKCS015	CSE	v
42	Ankit Shakdweepiya	21ESKCS032	CSE	v
43	Aditya Soni	21ESKCS020	CSE	v
44	ANURAG LOHAR	21ESKCS035	CSE	v
45	ABHISHEK SHARMA	21ESKCS014	CSE	v
46	AADITYA TRIVEDI	20ESKCS001	CSE	VII
47	Abhi Jain	21ESKCX002	DS	v
48	Abhi Jain	21ESKCX001	DS	v
49	Rishi Soni	21ESKCX047	DS	v
50	Sahil Kawar	21ESKCX051	DS	v
51	Harsh Garg	21ESKCX023	DS	v
52	Jashan	21ESKCX303	DS	v
53	Yashvardhan Sharma	22ESKCX126	DS	Ш
54	Sanskar chaturvedi	22ESKEC077	ECE	III
55	Aayushmaan Soni	22ESKCY002	IoT	Ш
56	UTKARSH Kumawat	22ESKCY054	IoT	Ш
57	Vishal Anand	22ESKCY056	IoT	Ш
58	Nitin Kumar Saini	22ESKCY035	IoT	Ш
59	Aman Raj	22ESKCY005	IoT	Ш
60	Mukul acharya	21ESKIT303	IT	v
61	Arnav Sharma	21ESKIT021	IT	v
62	Harsh Bindal	21ESKIT051	IT	v
63	Vishwas Vijay Vargiya	21ESKIT120	IT	v
64	Vivek garg	21ESKIT121	IT	v
65	Tanishtha Sharma	21ESKIT107	IT	v
66	NAKSHATRA JAIN	21ESKIT075	IT	v
67	Jagritee Akhouri	22ESKIT064	IT	III
68	Yashasvi Gupta	21ESKIT125	IT	v
69	vivek shekhawat	21ESKIT122	IT	v
70	Garvit Mathodia	21ESKIT048	IT	v
71	Aashi kushwah	21ESKIT001	IT	v
72	VATSAL SINGH RAO	21ESKIT113	IT	v
73	JAGRATI PAREEK	22ESKIT063	IT	III
	shreshtha suri	21ESKCS817	CSE	v





Ramnagaria (Jagatpura) Jaipur-17 **Department of Computer Science & Engineering**

List of Participants(SKIT) Eligible for Certificates

	Name	Roll No.	Branch	Semester
1	Varenyam Sharma	21ESKCA115	AI	V
2	Roshan Kumar Singh	21ESKCA303	AI	V
3	Prince Agrawal	21ESKCA301	AI	V
4	Vicky soni	21ESKCA116	AI	V
5	Yash gupta	21ESKCA122	AI	V
6	VIDIT KHANDELWAL	21ESKCA117	AI	V
7	SUYASH AMETA	21ESKCA107	AI	V
8	SHUBHAM DHABHAI	21ESKCa103	AI	V
9	ANSH KUMAR	21ESKCA016	AI	V
10	AADITYA AGARWAL	21ESKCA009	AI	V
11	ABHISHEK GUPTA	21ESKCA007	AI	\mathbf{v}
12	AADITYA KAUSHIK	21ESKCA001	AI	V
13	GAUTAM SETHIYA	21ESKCA045	AI	V
14	DEVESHWAR SINGH RAJAWAT	21ESKCA037	AI	V
15	Aarish Quazi	21ESKCA003	AI	V
16	ADITYA SHARMA	21ESKCA002	AI	V
17	Kanishk Dutt Sharma	21ESKCA058	AI	V
18	Divyanshu Gupta	21ESKCA039	AI	V
19	Dharmpal Yadav	21ESKCA038	AI	V
20	Jigyashu Sharma	21ESKCS104	CSE	V
21	Priyanshu sharma	21ESKCS303	CSE	V
22	Sonali jain	21ESKCS830	CSE	V
23	Siddhi Agarwal	21ESKCS827	CSE	V
24	Khushi Kaur Anand	21ESKCS111	CSE	V
25	shruti sharma	21ESKCS823	CSE	V
26	Rucha Kukreti	21ESKCS193	CSE	V
27	SOMYA JAIN	21ESKCS829	CSE	V
28	Shreya Gupta	21ESKCS820	CSE	V
29	Umang Joshi	22ESKCS823	CSE	III
30	Anant	22ESKCS020	CSE	III
31	Amartya Sharma	22ESKCS019	CSE	III
32	Aditya Dadhich	22ESKCS008	CSE	III
33	Raghav Pratap Singh Saini	22ESKCS175	CSE	III
34	PAYAL NAGAR	21ESKCS155	CSE	V
35	ARUSHI	21ESKCS042	CSE	V
36	AAKASH GUPTA	21ESKCS003	CSE	V
37	RATIK ARORA	21ESKCS180	CSE	V
38	BHARG MAHAJAN	21ESKCS054	CSE	V



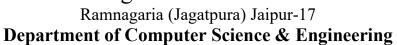
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39	ADITYA BHATNAGAR	21ESKCS018	CSE	v
40	ABHISHEK CHOUDHARY	21ESKCS011	CSE	V
41	ABHISHEK SONI	21ESKCS015	CSE	V
42	Aditya Soni	21ESKCS020	CSE	V
43	ABHISHEK SHARMA	21ESKCS014	CSE	V
44	AADITYA TRIVEDI	20ESKCS001	CSE	VII
45	Abhi Jain	21ESKCX002	DS	V
46	Abhi Jain	21ESKCX001	DS	V
47	Rishi Soni	21ESKCX047	DS	V
48	Sahil Kawar	21ESKCX051	DS	V
49	Harsh Garg	21ESKCX023	DS	V
50	Jashan	21ESKCX303	DS	V
51	Yashvardhan Sharma	22ESKCX126	DS	III
52	Sanskar chaturvedi	22ESKEC077	ECE	III
53	Aayushmaan Soni	22ESKCY002	IoT	III
54	UTKARSH Kumawat	22ESKCY054	IoT	III
55	Vishal Anand	22ESKCY056	IoT	III
56	Aman Raj	22ESKCY005	IoT	III
57	Mukul acharya	21ESKIT303	IT	V
58	Arnav Sharma	21ESKIT021	IT	V
59	Harsh Bindal	21ESKIT051	IT	V
60	Vishwas Vijay Vargiya	21ESKIT120	IT	V
61	Vivek garg	21ESKIT121	IT	V
62	Tanishtha Sharma	21ESKIT107	IT	V
63	NAKSHATRA JAIN	21ESKIT075	IT	V
64	Jagritee Akhouri	22ESKIT064	IT	III
65	Yashasvi Gupta	21ESKIT125	IT	V
66	vivek shekhawat	21ESKIT122	IT	V
67	Garvit Mathodia	21ESKIT048	IT	V
68	Aashi kushwah	21ESKIT001	IT	V
69	VATSAL SINGH RAO	21ESKIT113	IT	V
70	JAGRATI PAREEK	22ESKIT063	IT	Ш
71	shreshtha suri	21ESKCS817	CSE	V



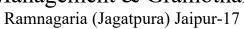




Attendance record of Participants

	Name	Roll No.	11-09-2023	12-09-2023	13-09-2023	14-09- 2023	15-09- 2023
1	Varenyam Sharma	21ESKCA115	Р	Р	Р	Р	Р
2	Roshan Kumar Singh	21ESKCA303	Р	Р	Р	Р	Р
3	Prince Agrawal	21ESKCA301	Р	P	Р	Р	Р
4	Vicky soni	21ESKCA116	Р	Р	Р	Р	Р
5	Yash gupta	21ESKCA122	Р	Р	Р	Р	Р
6	VIDIT KHANDELWAL	21ESKCA117	Р	Р	Р	Р	Р
7	SUYASH AMETA	21ESKCA107	Р	Р	Р	Р	Р
8	SHUBHAM DHABHAI	21ESKCa103	Р	Р	Р	Р	Р
9	ANSH KUMAR	21ESKCA016	Р	P	Р	Р	Р
10	AADITYA AGARWAL	21ESKCA009	Р	Р	Р	Р	Р
11	ABHISHEK GUPTA	21ESKCA007	Р	P	Р	Р	Р
12	AADITYA KAUSHIK	21ESKCA001	Р	Р	Р	Р	Р
13	GAUTAM SETHIYA	21ESKCA045	Р	Р	Р	Α	Р
14	DEVESHWAR SINGH RAJAWAT	21ESKCA037	Р	Р	Р	Р	Р
15	Aarish Quazi	21ESKCA003	Р	Р	Р	Р	Р
16	ADITYA SHARMA	21ESKCA002	Р	Р	Р	Р	Р
17	Kanishk Dutt Sharma	21ESKCA058	Р	Р	Р	Р	Р
18	Divyanshu Gupta	21ESKCA039	Р	Р	Р	Р	Р
19	Dharmpal Yadav	21ESKCA038	Р	Р	Р	Р	Р
20	Jigyashu Sharma	21ESKCS104	Р	Р	Р	Р	Р
21	Priyanshu sharma	21ESKCS303	Р	Р	Р	Р	Р
22	Sonali jain	21ESKCS830	Р	Р	Р	Р	Р
23	Siddhi Agarwal	21ESKCS827	Р	P	Р	Р	Р
24	Khushi Kaur Anand	21ESKCS111	Р	Р	Р	Р	Р
25	shruti sharma	21ESKCS823	Р	Р	Р	Р	Р
26	Rucha Kukreti	21ESKCS193	Р	Р	Р	Р	Р
27	SOMYA JAIN	21ESKCS829	Р	Р	Р	Р	Р
28	Shreya Gupta	21ESKCS820	Р	Р	Р	Р	Р
29	Umang Joshi	22ESKCS823	Р	Р	Р	Р	Р
30	Anant	22ESKCS020	Р	Р	Р	Р	Р
31	Amartya Sharma	22ESKCS019	Р	Р	Р	Р	Р
32	Aditya Dadhich	22ESKCS008	Р	Р	Р	Р	Р
33	Raghav Pratap Singh Saini	22ESKCS175	Р	Р	Р	Р	Р
34	PAYAL NAGAR	21ESKCS155	Р	Р	Р	Р	Р
35	ARUSHI	21ESKCS042	Р	Р	Р	Р	Р
36	AAKASH GUPTA	21ESKCS003	Р	Р	Р	Р	Р
37	RATIK ARORA	21ESKCS180	Р	Р	Р	Р	Р







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38	BHARG MAHAJAN	21ESKCS054	Р	Р	Р	Р	Р
39	ADITYA BHATNAGAR	21ESKCS018	Р	Р	Р	Р	Р
40	ABHISHEK CHOUDHARY	21ESKCS011	Р	Р	P	Р	P
41	ABHISHEK SONI	21ESKCS015	Р	Р	Р	Α	Р
42	Ankit Shakdweepiya	21ESKCS032	Р	A	Α	Α	A
43	Aditya Soni	21ESKCS020	Р	Α	Р	Р	Р
44	ANURAG LOHAR	21ESKCS035	Р	Р	Α	Α	Α
45	ABHISHEK SHARMA	21ESKCS014	Р	Α	Α	Р	Р
46	AADITYA TRIVEDI	20ESKCS001	Р	Р	Α	Р	Р
47	Abhi Jain	21ESKCX002	Р	Р	Р	Р	Р
48	Abhi Jain	21ESKCX001	Р	Р	Р	Α	Р
49	Rishi Soni	21ESKCX047	Р	Р	Р	Р	Р
50	Sahil Kawar	21ESKCX051	Р	Р	Р	Р	Р
51	Harsh Garg	21ESKCX023	Р	Р	Р	Р	Р
52	Jashan	21ESKCX303	Р	Р	Р	Р	Р
53	Yashvardhan Sharma	22ESKCX126	Р	Р	Р	Р	Р
54	Sanskar chaturvedi	22ESKEC077	Р	Р	Р	Р	Р
55	Aayushmaan Soni	22ESKCY002	Р	Р	Р	Р	Р
56	UTKARSH Kumawat	22ESKCY054	Р	Р	Р	Р	Р
57	Vishal Anand	22ESKCY056	Р	Р	Р	Р	Р
58	Nitin Kumar Saini	22ESKCY035	Р	Α	Α	Α	Α
59	Aman Raj	22ESKCY005	Р	Р	Р	Р	Р
60	Mukul acharya	21ESKIT303	Р	Р	Р	Р	Р
61	Arnav Sharma	21ESKIT021	Р	Р	Р	Р	Р
62	Harsh Bindal	21ESKIT051	Р	Р	Р	Р	Р
63	Vishwas Vijay Vargiya	21ESKIT120	Р	Р	Р	Р	Р
64	Vivek garg	21ESKIT121	Р	Р	Р	Р	Р
65	Tanishtha Sharma	21ESKIT107	Р	Р	Р	Р	Р
66	NAKSHATRA JAIN	21ESKIT075	Р	P	Р	Р	Р
67	Jagritee Akhouri	22ESKIT064	Р	P	Р	Р	Р
68	Yashasvi Gupta	21ESKIT125	Р	Р	Р	Р	Р
69	vivek shekhawat	21ESKIT122	Р	Р	Р	Р	Р
70	Garvit Mathodia	21ESKIT048	Р	P	Р	Р	Р
71	Aashi kushwah	21ESKIT001	Р	Р	Р	Р	Р
72	VATSAL SINGH RAO	21ESKIT113	Р	Р	Р	Р	Р
73	JAGRATI PAREEK	22ESKIT063	Р	Р	Р	Р	Р
74	shreshtha suri	21ESKCS817	Α	Р	Р	Р	Р





Ramnagaria (Jagatpura) Jaipur-17 **Department of Computer Science & Engineering**