

Swami Keshvanand Institute of Technology, Management & Gramothan

Ramnagar (Jagatpura) Jaipur-17



Extra Curricular Activities 2024-25 (Embedded Club) Annual Report of Club Activities

Student Coordinator

Ashita Bansal

(7023203292)

Harshita Khatkar

(8854827441)

Faculty Coordinator

Dr. Vikas Pathak

(8503856191)

Mr. Harshal Nigam

(9460005284)

About The Club:- Embedded Club strives to impart enthusiasm and passion for electronics and allied fields among students of ECE. The club aims to uncover those key topics that are not part of the curriculum or just grazed upon by the syllabus. The functions of the club are to deal from basics of electronics to the peak of it. This club, for sure, will help the students not only in their studies but also in their career.

The club helps the students by integrating their skills in the various fields of Engineering & technology, to cope up with the highly competitive environment. This club motivates the students to pursue research in the field of Embedded Design and to get funded projects in Embedded Domain. This club aims to orient students towards practical implementation of theoretical knowledge with innovative ideas in embedded field and to meet industrial expectation and social needs with ethical and global awareness.

The activities of the club include:

- Introductory Session
- Awareness on Embedded Systems
- Guest Lectures
- Workshops & Seminars

Objective of the club:- To make the students conceptually and practically knowledgeable on the upcoming Embedded System Technologies.

2. To create a platform for sharing innovative ideas and to develop research based activities.

Outcomes of the club:-

1. Understand hardware and software design requirements of embedded systems.
2. Analyze the embedded systems' specification and develop software programs.
3. Evaluate the requirements of programming Embedded Systems, related software architectures and tool chain for Embedded Systems.

Details of Students Coordinators:-

Sr. No.	University Roll No.	Name	Year	Branch	Mob. No.	Remarks (if any)
1.	22ESKEC019	Ashita Bansal	III	ECE	7023203292	
2.	22ESKEC041	Harshita Khatkar	III	ECE	9460005284	

Details of Faculty Coordinators:-

Sr. No.	Name	Branch	Mob. No.	Remarks (if any)
1.	Dr. Vikas Pathak	ECE	8503856191	
2.	Mr. Harshal Nigam	ECE	9460005284	

Details of Registered Students (1st to 4th year):-

Sr. No.	Name	Roll No.	Year	Branch
1	Abhinav Srivastava	21ESKEE002	2	EE
2	Aman Jangid	21ESKEE004	2	EE
3	Anmol Gupta	21ESKEC013	2	ECE
4	Anuj kanchal	21ESKEE007	2	EE
5	Ayushi Katyayan	21ESKIT029	2	IT
6	Bhumika Chaudhary	21ESKCS057	2	CSE
7	Chinmay	19ESKEE048	4	EE
8	Chirag Gurnani	21ESKEC020	2	ECE
9	Dharmanshu Kumar	21ESKCS015	2	CSE-DS
10	Dhiraj Kumar	20ESKEC036	3	ECE
11	Diya Sharma	21ESKEC024	2	ECE
12	Garvita Sakhrani	21ESKIT049	2	IT
13	Hardik Sharma	21ESKEC026	2	ECE
14	Khushi Choudhary	21ESKCA063	2	CSE-AI
15	Naman Tak	21ESKEC041	2	ECE
16	Neha Meerchandani	21ESKCS308	2	CSE
17	Nitin Goyal	19ESKCE078	4	CE
18	Omesh Kumar Khatri	Diploma Admission	2	CSE-AI
19	Piyush Gupta	20ESKCS172	3	CSE
20	Prateek Agarwal	21ESKCS164	2	CSE

21	Pratibha Nagar	21ESKIT083	2	IT
22	Rajni Attri	21ESKCS177	2	CSE
23	Rohit kumar soni	21eskme024	2	ME
24	Ruchi singh	21ESKEC054	2	ECE
25	Sandeep Singh	21ESKCA096	2	CSE-AI
26	Sarthak Kothari	21ESKCA097	2	CSE-AI
27	Saurabh Mishra	21ESKEC059	2	ECE
28	Shalin Devpura	21ESKCS810	2	CSE
29	Shivam Singhal	20ESKCS837	3	CSE
30	Shreya jha	21ESKEC064	2	ECE
31	Shubham Kumar	21ESKCS825	2	CSE
32	Snehal Jain	21ESKEC066	2	ECE
33	Somesh Kapoor	19ESKCS833	4	CSE

Yearly Calendar (List of events):- (Starting from July 2024 to June 2025)

Sr. No.	Date	Name of The Activity	Description	Remarks (if any)
1.	7/9/2024	Online Quiz on Embedded Systems	This quiz is executed to test the knowledge of students about the fundamentals of embedded systems.	
2.	18/09/2024	Introduction to Microcontroller	To provide basic understanding of microcontrollers, their architecture, and applications, along with hands-on programming experience	
3.	16/10/2024	Tinkercad Workshop	To introduce about the basics of circuit simulation and 3D design using Tinkercad, an easy-to-use online tool	

Report

Quiz on Embedded Systems

Date, Time and Venue of the event:- 7th September-2024, 5:00 PM to 6:00 PM, Online

Level of the event: - College level

Notice of the event: -



SKIT/Embedded Club/2024-25/01

Date: 06/09/2024

NOTICE

QUIZ ON EMBEDDED SYSTEMS

Embedded Club is conducting an online quiz on 7th September 2024 on the topic of **Embedded Systems**.

This quiz will test the knowledge of students about the fundamentals of embedded systems.

Date- 7th September 2024

Timing- 5:00 PM to 6:00 PM

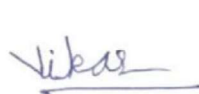
Venue- Online

For more query, contact:

Student Coordinators:

Ashita Bansal (7023203292)

Harshita Khatkar (8854827441)


Dr. Vikas Pathak
Faculty Coordinator


Mr. Harshal Nigam
Faculty Coordinator


Dr. Aakriti Sharma
Chief Coordinator, ECA

Copy to:

Director

Director (Academics)

Principal

Registrar

Head (OSA,OFA)

ECA Chief Coordinator

All Notice Boards

Ramnagar, Jagatpura, Jaipur (302017)-Rajasthan

Tel. : 0141-5160400 Fax : 0141-2759555

✉ info@skit.ac.in 🌐 www.skit.ac.in

Event brochure / banner: -



Objective of the event: - To test the knowledge of students about the fundamentals of embedded systems.

Details (Execution): -

The event was conducted on 7th September from 5:00 PM to 6:00 PM. In the given time slot all the participants attempted the quiz. 59 students participated in the Quiz. Among them three participants were declared as winners with the best score and time.

Details/List/Attendance of Participants: -

Sr. No.	Name	Univ. Roll no	Year	Branch
1	Abhinav Srivastava	21ESKEE002	2	EE
2	Aman Jangid	21ESKEE004	2	EE
3	Anmol Gupta	21ESKEC013	2	ECE
4	Anuj kanchal	21ESKEE007	2	EE
5	Ayushi Katyayan	21ESKIT029	2	IT
6	Bhumika Chaudhary	21ESKCS057	2	CSE
7	Chinmay	19ESKEE048	4	EE
8	Chirag Gurnani	21ESKEC020	2	ECE
9	Dharmanshu Kumar	21ESKCS015	2	CSE-DS
10	Dhiraj Kumar	20ESKEC036	3	ECE
11	Diya Sharma	21ESKEC024	2	ECE
12	Garvita Sakhrani	21ESKIT049	2	IT
13	Hardik Sharma	21ESKEC026	2	ECE
14	Khushi Choudhary	21ESKCA063	2	CSE-AI
15	Naman Tak	21ESKEC041	2	ECE
16	Neha Meerchandani	21ESKCS308	2	CSE
17	Nitin Goyal	19ESKCE078	4	CE
18	Omesh Kumar Khatri	Diploma Admission	2	CSE-AI
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21	Pratibha Nagar	21ESKIT083	2	IT
22	Rajni Attri	21ESKCS177	2	CSE
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25	Sandeep Singh	21ESKCA096	2	CSE-AI
26	Sarthak Kothari	21ESKCA097	2	CSE-AI
27	Saurabh Mishra	21ESKEC059	2	ECE
28	Shalin Devpura	21ESKCS810	2	CSE
29	Shivam Singhal	20ESKCS837	3	CSE
30	Shreya jha	21ESKEC064	2	ECE
31	Shubham Kumar	21ESKCS825	2	CSE
32	Snehal Jain	21ESKEC066	2	ECE
33	Somesh Kapoor	19ESKCS833	4	CSE
34	Ujjawal sharma	21ESKEC069	2	ECE
35	Vansh Rastogi	21ESKIT111	2	IT
36	Vanshika Namdev	21ESKCA114	2	CSE-AI
37	Virendra Yadav	21ESKIT116	2	IT
38	Vishal Agarwal	B211122	2	IT
39	Vishva Yash Pandey	21ESKIT119	2	IT
40	Vishwas Vijay Vargiya	21ESKIT120	2	IT
41	Vivek Garg	21ESKIT121	2	IT
42	Yash gupta	21eskca122	2	CSE-AI
43	Yashwant Jangid	21ESKCA123	2	CSE-AI

Details of winners / prize distribution:-

1	Divyansh Jain	22ESKEC033	ECE
2	Tushar panchal	22ESKEE073	EE
3	Minuk soni	22ESKEC059	ECE

Photos of event (with Geotagged): -





Certificates (winners and participants and coordinators): -





Swami Keshvanand Institute of Technology,
Management & Gramothan, Jaipur



CERTIFICATE OF RECOGNITION

THIS CERTIFICATE IS AWARDED TO

ABHIMANYU SINGH RATHORE

of ECE branch for

Participating/ Volunteering /Coordinating

in QUIZ ON EMBEDDED SYSTEMS event held on 7th September

during the session 20 24 - 25.

Shri Jaipal Meel
Director

Dr. S.L. Surana
Director (Academics)

Dr. Ramesh K. Pachar
Principal

Chief Coordinator
ECA-Cell

Signature of Event Coordinator: -

Ashita Bansal
5th Sem.
22ESKEC019

Harshita Khatkar
5th Sem.
22ESKEC041

Report

Introduction to Microcontrollers

Date and Time of the event:- 18 September 2024, 1:45 PM to 3:45 PM

Venue of the event:- ECL-06

Level of the event: - College level

Notice of the event: -



Swami Keshvanand Institute of Technology
Management and Gramothan, Jaipur

Approved by AICTE, Ministry of HRD, Government of India and Affiliated to
Rajasthan Technical University, Kota



SKIT/Embedded Club/2024-25/02

Date: 16/09/2024

NOTICE

INTRODUCTION TO MICROCONTROLLERS

Embedded Club is organizing an interactive session on 18 September 2024 on the topic **Introduction to Microcontrollers**.

In this session the students will learn the fundamentals of microcontrollers and their real-world applications.

Date - 18th September 2024

Timing - 1:45 PM to 3:45 PM

Venue - ECL-06

For more query, contact:

Student Coordinators:

Ashita Bansal (7023203292)

Harshita Khatkar (8854827441)

Dr. Vikas Pathak
Faculty Coordinator

Mr. Harshal Nigam
Faculty Coordinator

Dr. Aakriti Sharma
Chief Coordinator, ECA

Copy to:

Director

Director (Academics)

Principal

Registrar

Head (OSA,OFA)

ECA Chief Coordinator

All Notice Boards

Ramnagar, Jagatpura, Jaipur (302017)-Rajasthan

Tel. : 0141-5160400 Fax : 0141-2759555

✉ info@skit.ac.in 🌐 www.skit.ac.in

Event brochure / banner:-



A SESSION ON MICROCONTROLLERS

Certificates will be provided to all participants

Date :-

18 SEPTEMBER 2024

Timing :-

1:45PM - 3:45 PM

Venue :-

ECL - 06, CS BLOCK
(BASEMENT)



Objective of the event:-

To provide participants with a basic understanding of microcontrollers, their architecture, and applications, along with hands-on programming experience to prepare them for advanced projects in embedded systems.

Details (Execution):-

The Introduction to Microcontrollers event was conducted on 18th September from 1:45 PM to 2:45 PM. During the session, participants received a brief overview of microcontrollers, including their types and real-life applications in embedded systems. Additionally, a project demonstration on an "Automatic Door" was shown, allowing participants to see a practical application of microcontrollers in action. This helped them to connect theoretical knowledge with real-world use cases.

Details/List of student participants:-

S.No	Name	Branch	Roll Number	Year
1.	Keertee Bansal	ECE	22ESKEC047	3
2.	Prathmesh Narwaria	ECE	B241285	1
3.	Sameer Kothari	ECE	23ESKEC073	2
4.	Pranjal Kumawat	ECE	B241150	1
5.	Anmol Soni	ECE	22ESKEC014	3
6.	Bhumika Khatri	EE	23ESKEE015	2
7.	Darsh Jain	ECE	B24D933	1
8.	Mohit Kalwaniya	ECE	B241278	1
9.	Mohit Jureal	ECE	B241640	1

Attendance sheet of participants:- Same as Above

Feedback of the event:- No Feedback

Details of winners / prize distribution:- No Winners

Photos of event (with Geotagged):-





Photos of event (without Geotagged):-



News of event:- No News

Certificates :-

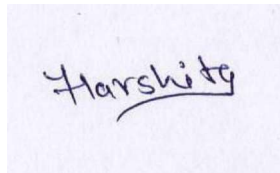
SKIT		Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur			
CERTIFICATE OF RECOGNITION					
THIS CERTIFICATE IS AWARDED TO					
<u>Prathmesh Narwaria</u>					
of <u>ECE</u> branch for					
Participating/ Volunteering /Coordinating					
in <u>INTRODUCTION To Microcontroller</u> event held on <u>18th Sept.</u>					
during the session 20 <u>24 - 25</u> .					
					
Shri Jaipal Meel		Dr. S.L. Surana		Chief Coordinator	
Director		Director (Academics)		ECA-Cell	

SKIT		Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur			
CERTIFICATE OF RECOGNITION					
THIS CERTIFICATE IS AWARDED TO					
<u>Pranjal Kumawat</u>					
of <u>ECE</u> branch for					
Participating/ Volunteering /Coordinating					
in <u>Introduction to Microcontroller</u> event held on <u>18th Sept.</u>					
during the session 20 <u>24 - 25</u> .					
					
Shri Jaipal Meel		Dr. S.L. Surana		Chief Coordinator	
Director		Director (Academics)		ECA-Cell	

Signature of Event Coordinator:-

A handwritten signature in blue ink that reads "Ashita Bansal". The signature is fluid and cursive, with a long horizontal stroke at the end.

Ashita Bansal
5th Sem
22ESKEC019

A handwritten signature in blue ink that reads "Harshita". The signature is written in a simple, slightly cursive style, with a horizontal line underlining the name.

Harshita Khatkar
5th Sem
22ESKEC041

Report

TINKERCAD WORKSHOP

Date and Time of the event:- 16th October 2024, 1:45 PM to 3:00 PM

Venue of the event:- ECL-06

Level of the event: - College level

Notice of the event: -



Swami Keshvanand Institute of Technology
Management and Gramothan, Jaipur

Approved by AICTE, Ministry of HRD, Government of India and Affiliated to
Rajasthan Technical University, Kota



SKIT/Embedded Club/2024-25/03

Date: 14/10/2024

NOTICE **TINKERCAD WORKSHOP**

Embedded Club is organizing an interactive session on 16 October 2024 on the topic **Tinkercad Workshop**.

This interactive session will cover essential concepts like circuit design, simulation, and programming, all within a beginner-friendly virtual environment.

Date - 16th October 2024

Timing - 1:45 PM to 3:00 PM

Venue - ECL-06

For more query, contact:

Student Coordinators:

Ashita Bansal (7023203292)

Harshita Khatkar (8854827441)

Dr. Vikas Pathak
Faculty Coordinator

Mr. Harshal Nigam
Faculty Coordinator

Dr. Aakriti Sharma
Chief Coordinator, ECA

Copy to:

Director

Director (Academics)

Principal

Registrar

Head (OSA,OFA)

ECA Chief Coordinator

All Notice Boards

Ramnagar, Jagatpura, Jaipur (302017)-Rajasthan

Tel. : 0141-5160400 Fax : 0141-2759555

✉ info@skit.ac.in 🌐 www.skit.ac.in

Event brochure / banner:-



The banner features a green gradient background. At the top left is the 'EMBEDDED CLUB' logo with a circuit icon. At the top right is the 'AUTODESK Tinkercad' logo. The center has the title 'Tinkercad Workshop' in large, bold, black letters with a white outline. Below the title, it states 'Certificates will be provided to all participants'. On the left, event details are listed with icons: a calendar for '16 October 2024', a clock for '1:45 PM - 3:00 PM', and a location pin for 'ECL - 06, CS Block'. On the right is a QR code. At the bottom, two columns list the 'Faculty Coordinator' (Dr. Vikas Pathak, Mr. Harshal Nigam) and the 'Student Coordinator' (Ashita Bansal, Harshita Khatkar).

EMBEDDED CLUB

TINKERCAD AUTODESK
Tinkercad

Tinkercad Workshop

Certificates will be provided to all participants

 16 October 2024
 1:45 PM - 3:00 PM
 ECL - 06, CS Block



Faculty Coordinator:
Dr. Vikas Pathak
Mr. Harshal Nigam

Student Coordinator:
Ashita Bansal
Harshita Khatkar

Objective of the event:-

To introduce participants to the basics of circuit simulation and 3D design using Tinkercad, an easy-to-use online tool. Through hands-on sessions, participants were taught how to design, simulate, and test electronic circuits in a virtual environment, gaining practical skills to apply in electronics and prototyping projects.

Details (Execution):-

The Tinkercad Workshop was conducted on 16th October 2024 from 1:45 PM to 3:00 PM. During the session, participants were introduced to the basics of using Tinkercad for circuit simulation and 3D modeling. They were guided through creating simple circuits, simulating electronic components, and designing 3D models. A hands-on project, such as building and simulating a basic Arduino-based circuit, was demonstrated, allowing participants to experience practical applications of electronics and design in a virtual environment. This session helped participants bridge theoretical concepts with real-world applications, enhancing their understanding of circuit design and prototyping.

Details/List of student participants:-

S.No	Name	Branch	Roll Number	Year
1.	Prathmesh Narwaria	ECE	B241285	1
2.	Pranjal Kumawat	ECE	B241150	1
3.	Bhumika Khatri	EE	23ESKEE015	2
4.	Darsh Jain	ECE	B24D933	1
5.	Mohit Kalwaniya	ECE	B241278	1
6.	Mohit Jureal	ECE	B241640	1

Attendance sheet of participants:- Same as Above

Feedback of the event:- No Feedback

Details of winners / prize distribution:- No Winners

Photos of event (with Geotagged):-





Photos of event (without Geotagged):-



News of event:- No News

Certificates :-

Management & Gramothan, Jaipur

CERTIFICATE OF RECOGNITION

THIS CERTIFICATE IS AWARDED TO

MOHIT KALWANIYA

of ECE branch for

Participating/ Volunteering /Coordinating

in TINKERCAD WORKSHOP event held on 16th October

during the session 20 24 - 25.

Shri Jaipal Meel

Dr. S.L. Surana

Dr. Ramesh K. Pachar

Chief Coordinator

Management & Gramothan, Jaipur

CERTIFICATE OF RECOGNITION

THIS CERTIFICATE IS AWARDED TO

BHUMIKA KHATRI

of EE branch for

Participating/ Volunteering /Coordinating

in TINKERCAD WORKSHOP event held on 16th October

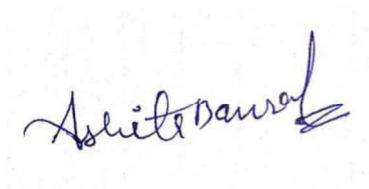
during the session 20 24 - 25.

Shri Jaipal Meel

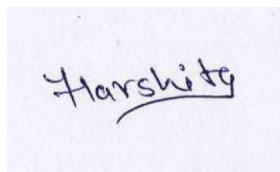
Dr. S.L. Surana

Dr. Ramesh K. Pachar

Chief Coordinator

A handwritten signature in blue ink that reads "Ashita Bansal". The signature is fluid and cursive, with a long horizontal stroke at the end.

Ashita Bansal
5th Sem
22ESKEC019

A handwritten signature in blue ink that reads "Harshita". The signature is written in a simple, slightly cursive style, with a horizontal line underneath the name.

Harshita Khatkar
5th Sem
22ESKEC041