Swami Keshvanand Institute of Technology, Management & Gramothan

Ramnagaria (Jagatpura) Jaipur-17

Extra Curricular Activities 2023-24
(Embedded Club)
Annual Report of Club Activities

Student Coordinator

Vanshaj Kataria

(7568069994)

Navneet Kaur

(7850087272)

Faculty Coordinator

Dr. Vikas Pathak

(8503856191)

Ms. Priyanka Sharma

(8529022151)

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: -

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

Sr. No.	Name	Roll No.	Year	Branch
1	Aaditya Bansal	B230261	1	CS
2	Aayush Jha	B231172	1	ECE
3	Abhimanyu Singh Rathore	B230519	1	ECE
4	Aditya Bagdi	20ESKCE006	4	CE
5	Aditya Kumar	22ESKCA010	2	CS-AI
6	Aditya Kumar Singh	B230349	1	ECE
7	Advika Sharma	22ESKCX006	2	CS-DS
8	Anshita Porwal	22ESKCS030	2	CS
9	Ashita Bansal	22ESKEC019	2	ECE
10	Bharg Mahajan	21ESKCS054	3	CS
11	Bhavesh Gupta	22ESKEC022	2	ECE
12	Bhumika Khatri	B230778	1	EE
13	Danish Khan	21ESKCX012	3	CS-DS
14	Darsh Agrawal	22ESKEC025	2	ECE
15	Devanshi Jain	22ESKCY014	2	CS-IoT
16	Dhruv Mittal	21ESKCS071	3	CS
17	Hana Kazi	22ESKME017	2	ME
18	Harsh Jain	22ESKIT053	2	IT
19	Harshita Khatkar	22ESKEC041	2	ECE
20	Kanika Verma	22ESKCE049	2	CE
21	Kartikey Nehra	21ESKEE033	3	EE
22	Khushi Agarwal	21ESKCS110	3	CS
23	Kshitij Mathur	B231309	1	CS
24	Manisha	22ESKEC056	2	ECE
25	Neha Mirani	22ESKCY034	2	CS-IoT
26	Nirali Chipad	M-46	1	IT
27	Rahul Gangwal	21ESKEE055	3	EE
28	Rahul Kumawat	22eskce074	2	CE
29	Rashi Chouhan	21ESKEE060	3	EE
30	Ravi Kumar Meena	21ESKEE061	3	EE
31	Sakshya Mawaliya	21ESKEE066	3	EE
32	Srashti Soni	21ESKCA105	3	CS-AI

Faculty Coordinators: -

Dr. Vikas Pathak
Associate Professor, Department of ECE,
Email ID: vikas.pathak@skit.ac.in
Contact No: 8503856191

Ms. Priyanka Sharma,
Asst. Prof, Department of ECE
Email Id: priyankas@skit.ac.in
Contact No. 8529022151

Student Coordinators:

Vanshaj Kataria,
B. Tech. III Year, ECE
Email ID: vanshajkataria3@gmail.com
Contact No. 756806994

Navneet Kaur,
B. Tech. III Year, ECE
Email ID: navneetkaur11012@gmail.com
Contact No. 7850087272

Yearly Calendar (List of Activities):-

Sr. No.	Date	Name of The Activity	Description	Remarks (if any)
1.	14 October 2023	TinkerCAD Workshop	This workshop will expose students to new possibilities of making circuits come to life and catch any errors if present.	
2.	14 March 2024	Circuit-A-Thon	It is a circuit-based treasure hunt is to have fun while solving electronic puzzles and challenges related to circuits.	
3.	29 April, 2024	Workshop on Proteus	This workshop will expose students to new possibilities of making circuits come to life and catch any errors if present	
4.	8 May 2024	Workshop on L293N Motor Driver	This workshop will expose students to new possibilities of making robots and other embedded system which uses motors in them.	

Group Photo of Club Coordinators (Faculty and Students):-

Report
TinkerCAD Workshop

Date, Time and Venue of the event: - 14 October 2023, 9 PM - 10 PM, Online (Google Meet)

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/2023-24/01   Date: 12/10/2023

NOTICE
TINKERCAD WORKSHOP

"Embedded Club" is conducting an online session on 14 October 2023 on the topic TinkerCAD
In this session the students will learn how to microcontrollers work and how different sensors are used with microcontrollers.

Date - 14th October 2023
Timing - 9 PM to 10 PM
Venue - Online

For more query, contact:
Student Coordinators:
Vanshaj Kataria (7568069994)
Navneet Kaur (7850087272)

Dr. Vikas Pathak
Faculty Coordinator

Ms. Priyanka Sharma
Faculty Coordinator

Copy to:
Director
Director (Academics)
Principal
Registrar
Head (OSA,OFA)
ECA Chief Coordinator
All Notice Boards

Forwarded by
Dr. Aakriti Sharma
ECA, Co-ordinator

Ramnagaria, 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 help students to gain knowledge of TinkerCAD software for making and visualizing circuits and their connection before performing in real life.

Details (Execution):-

This workshop will expose students to new possibilities of making circuits come to life and catch any errors if present.

Details/List of student participants:-

Sr. No.	Name	Univ. Roll No.	Year	Branch
1	Aaditya Bansal	B230261	1	CS
2	Aayush Jha	B231172	1	ECE
3	Abhimanyu Singh Rathore	B230519	1	ECE
4	Aditya Bagdi	20ESKCE006	4	CE
5	Aditya Kumar	22ESKCA010	2	CS-AI
6	Aditya Kumar Singh	B230349	1	ECE
7	Advika Sharma	22ESKCX006	2	CS-DS
8	Anshita Porwal	22ESKCS030	2	CS
9	Ashita Bansal	22ESKEC019	2	ECE
10	Bharg Mahajan	21ESKCS054	3	CS
11	Bhavesh Gupta	22ESKEC022	2	ECE
12	Bhumika Khatri	B230778	1	EE
13	Danish Khan	21ESKCX012	3	CS-DS
14	Darsh Agrawal	22ESKEC025	2	ECE
15	Devanshi Jain	22ESKCY014	2	CS-IoT
16	Dhruv Mittal	21ESKCS071	3	CS
17	Hana Kazi	22ESKME017	2	ME
18	Harsh Jain	22ESKIT053	2	IT
19	Harshita Khatkar	22ESKEC041	2	ECE
20	Kanika Verma	22ESKCE049	2	CE
21	Kartikey Nehra	21ESKEE033	3	EE
22	Khushi Agarwal	21ESKCS110	3	CS
23	Kshitij Mathur	B231309	1	CS
24	Manisha	22ESKEC056	2	ECE
25	Nirali Chipad	M-46	1	IT
26	Rahul Gangwal	21ESKEE055	3	EE
27	Rahul Kumawat	22eskce074	2	CE
28	Rashi Chouhan	21ESKEE060	3	EE
29	Ravi Kumar Meena	21ESKEE061	3	EE

30	Sakshya Mawaliya	21ESKEE066	3	EE
31	Srashti Soni	21ESKCA105	3	CS-AI
32	Ujjawal Ranjan	B230390	1	IT
33	Varun Agarwal	B231325	1	CS
34	Vidhesh Khanna	21ESKME031	3	ME
35	Vijay Singh	22ESKCS834	2	CS
36	Virendra Singh Rathore	21ESKEE079	3	EE
37	Yash Mina	21ESKEE082	3	EE

Attendance sheet of participants:- Same as Above

Certificates (winners and participants and coordinators):-

Signature of Event Coordinator:-

Vanshaj Kataria
5th Sem
21ESKEC070

Circuit-A-Thon Report

Name of the event :- Circuit-A-Thon
Date of the event :- 14 March 2024
Time of the event :- 9:00 AM - 11:00 AM
Venue of the event :- Room 101 CS block
Level of the event :- Intra College

Notice of the event :-

Event brochure or banner :-

Objective of event:- The objective of a circuit-based treasure hunt is to have fun while solving electronic puzzles and challenges related to circuits. It's a creative way to test your circuit knowledge in a hands-on and exciting adventure.

Details (Execution):-

- The participating teams were first provided with a blank circuit which had missing components in it.
- They were also provided with a map of the college where the location of the QR codes were given.
- On the provided location the participants scanned the QR and were given a puzzle/riddle in which they had to solve to get the location of the next QR.
- After collecting all the clues, they had to place all the missing components in the blank circuit and stimulate it.
- If the simulation works, then they have to calculate the amount of current flowing in it by calculating it theoretically.
- The team which took less time in collecting and solving the circuit was finally declared as the winner.

Details of the Faculty Coordinators:-

Sr. No.	Name of the teacher	Department
1.	Ms. Priyanka Sharma	ECE
2.	Dr. Vikas Pathak	ECE

Details of student coordinators and volunteers:-

Sr. No.	Name	Univ. Roll no.	Year	Branch
1.	Vanshaj Kataria	21ESKEC070	3rd	ECE
2.	Navneet Kaur	21ESKEC043	3rd	ECE
3.	Hardik Sharma	21ESKEC026	3rd	ECE
4.	Aashita	22ESKEC019	2nd	ECE
5.	Harshita	22ESKEC041	2nd	ECE
6.	Utkarsh Jindal	21ESKEC088	1st	ECE

Details of student participants :-

Sr. No.	Name	Univ. Roll no.	Year	Branch
1.	Vishal Yadav	23ESKEE090	I	EE
2.	Ashlesh Singh Chouhan	-	-	-
3.	Karishma Kumawat	-	-	-
4.	Sparsh Rastogi	-	-	-
5.	Ujjawal Ranjan	23ESKIT178	I	IT
6.	Tanishk Yadav	23ESKEE084	I	EE
7.	Kautilya Jangid	-	-	-
8.	Dishika Sharma	-	-	-
9.	Saksham Sharma	-	-	-
10.	Sumit Saini	23ESKIT170	I	IT
11.	Sumit Prajapat	23ESKEE083	I	EE
12.	Gaurav	-	-	-
13.	Anushka Sharma	-	-	-
14.	Shivam Jangid	-	-	-
15.	Yash Goyal	23ESKIT187	I	IT
16.	Vikas Junjadiya	23ESKEE089	I	EE
17.	Deveshwar Rajawat	-	-	-
18.	Samyak Jain	-	-	-
19.	Ujjawal Kumar	23ESKIT179	I	IT
20.	Sahil	-	-	-
21.	Jashan	-	-	-
22.	Abhay	-	-	-
23.	Mansheg	-	-	-

Feedback of event:- The participants enjoyed the challenges for finding the clues and also appreciated the opportunity to apply their circuit knowledge in a fun and engaging way. The event was exciting and memorable for everyone involved and was an enjoyable experience.

Glimpses of event :-
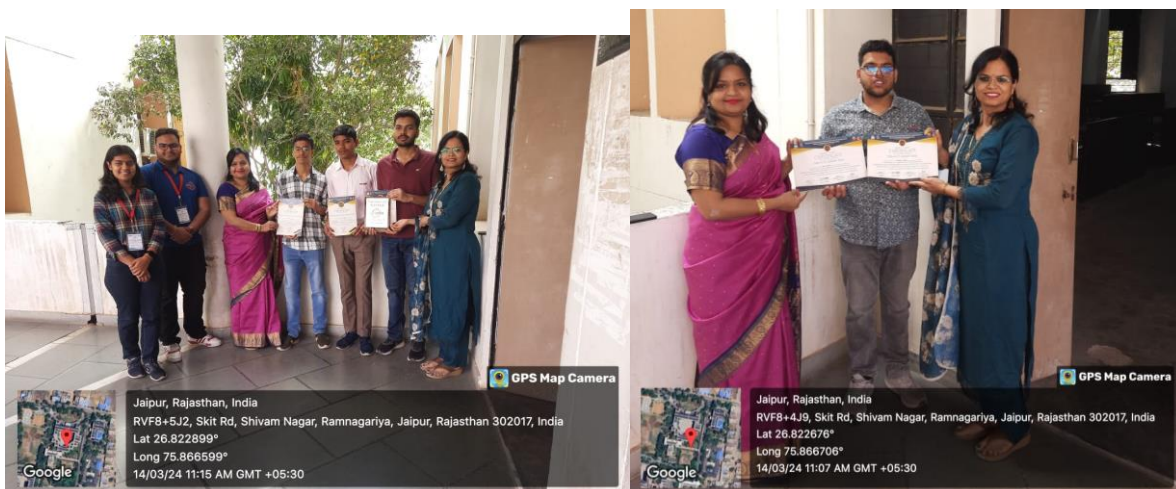
Report
Workshop on Proteus

Date, Time and Venue of the event: - 29 April 2024, 5:30 PM - 6:30 PM, Online (Google Meet)

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/2023-24/02   Date: 24/04/2024

NOTICE
WORKSHOP ON PROTEUS

"Embedded Club" is conducting an online session on 26 April 2024 on the topic Proteus
In this session the students will learn how to make schematic designs and make PCB Layout for a circuit.

Date - 26th Aprin 2024
Timing - 5:30 PM to 6:30 PM
Venue - Online

For more query, contact:

Student Coordinators:
Vanshaj Kataria (7568069994)
Navneet Kaur (7850087272)

Dr. Vikas Pathak   Ms. Priyanka Sharma
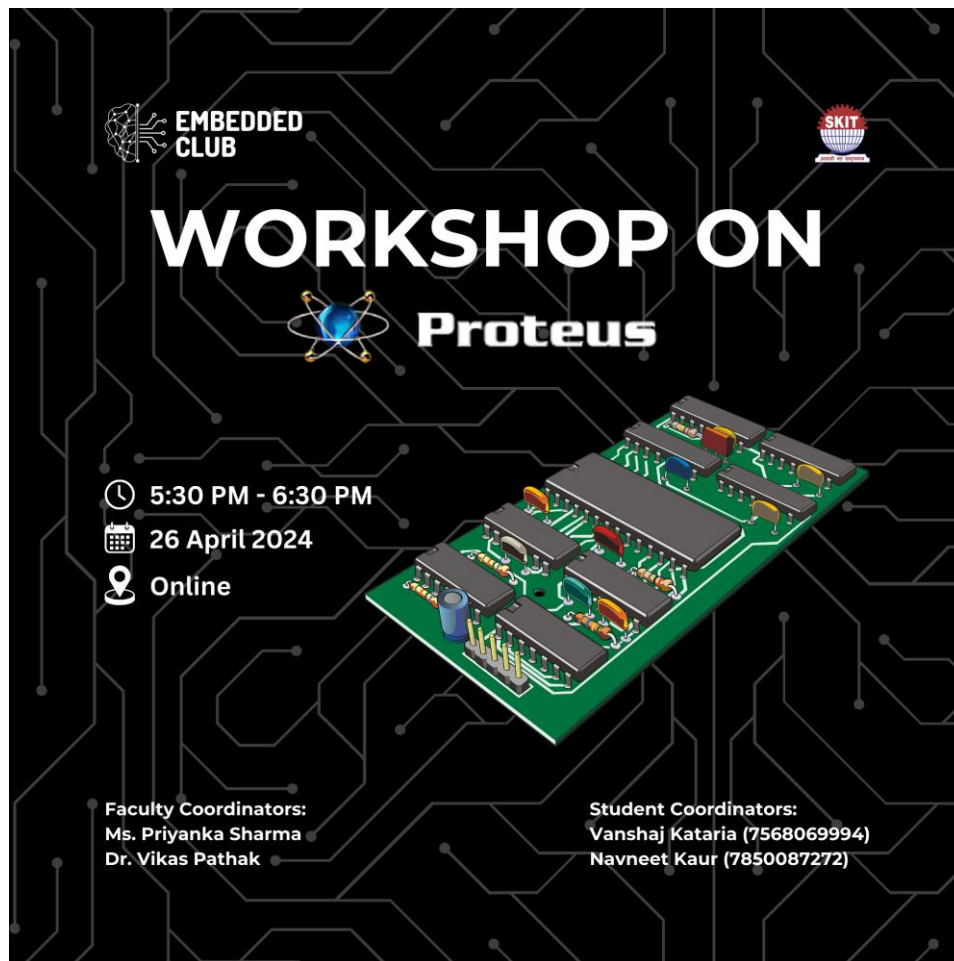Faculty Coordinator   Faculty Coordinator

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Registrar
Head (OSA,OFA)
ECA Chief Coordinator
All Notice Boards

Dr. Aakriti Sharma
Chief Coordinator, ECA

Ramnagaria, 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 help students to gain knowledge of Proteus software for making and visualizing Schematic Layout & PCB Layout and their connection before performing in real life.

Details (Execution):- This workshop will expose students to new possibilities of making circuits come to life and catch any errors if present.

Details/List of student participants:-

Sr. No.	Name	RTU Roll Number	Year	Branch
1	Devanshi Jain	22ESKCY014	2	CS-IoT
2	Harshita Khatkar	22ESKEC041	2	ECE
3	Himanshu Agarwal	21ESKEC027	3	ECE
4	Karishma kumawat	21ESKEC034	3	ECE
5	Tushar panchal	22ESKEE073	2	EE
6	Vikas Sharma	21ESKME032	3	ME
7	Virendra Singh Rathore	21ESKEE079	3	EE

8	Vishal Kumar Soni	21ESKEC075	3	ECE
9	Ashita Bansal	22ESKEC019	2	ECE
10	Saxam Dixit	21ESKEC060	3	ECE

Certificates (winners and participants and coordinators):-

Signature of Event Coordinator:-

Vanshaj Kataria
6th Sem
21ESKEC070

Report
Workshop on L293N Motor Driver

Date, Time and Venue of the event: - 8 May 2024, 1:30 PM - 3:30 PM, 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/2023-24/03   Date: 06/05/2024

<u>NOTICE</u>
WORKSHOP ON L293N MOTOR DRIVER MODULE

"Embedded Club" is conducting an online session on 8 May 2024 on the topic workshop on L293N Motor driver module
In this session the students will learn how dc motors works and how different application can be performed on it.

Date - 8th May 2024
Timing - 1:30 PM to 3:30 PM
Venue - ECL-06

For more query, contact:

<u>Student Coordinators:</u>
Vanshaj Kataria (7568069994)
Navneet Kaur (7850087272)

<u>Dr. Vikas Pathak</u>
Faculty Coordinator

<u>Ms. Priyanka Sharma</u>
Faculty Coordinator

Dr. Aakriti Sharma
Chief Coordinator, ECA

<u>Copy to:</u>
Director
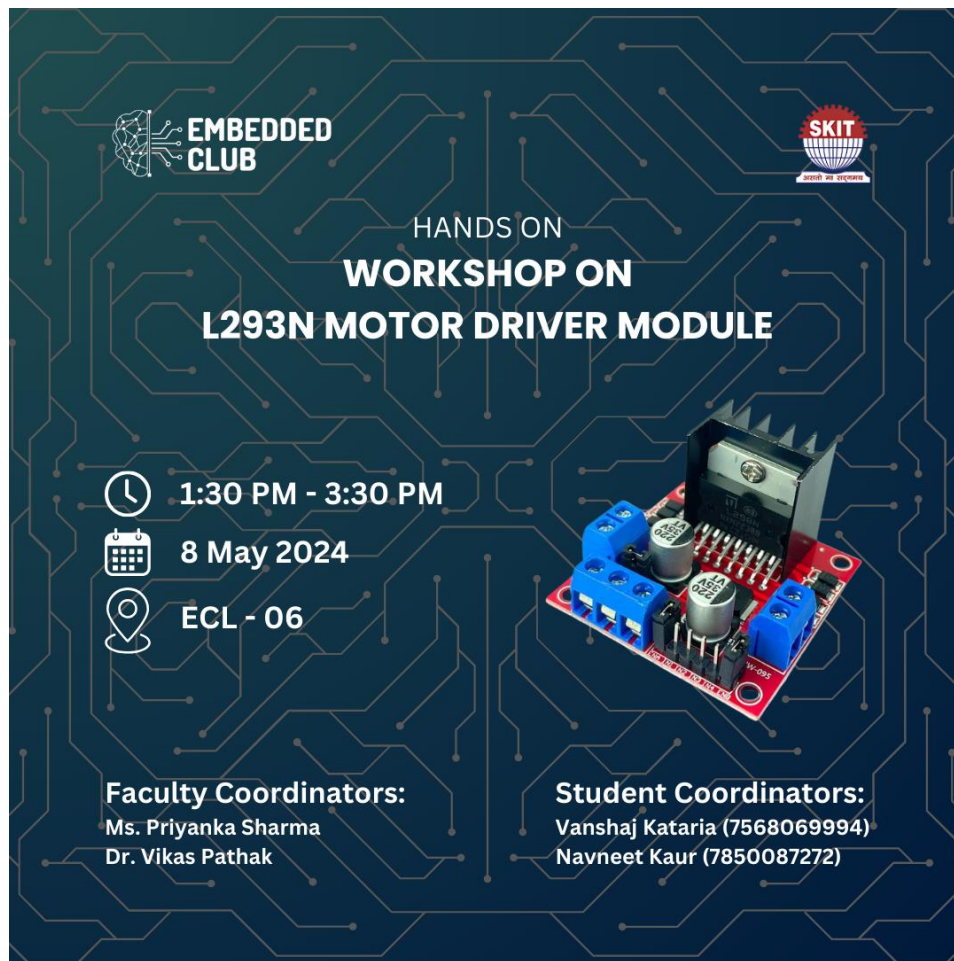Director (Academics)
Principal
Registrar
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ECA Chief Coordinator
All Notice Boards

Ramnagaria, 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 help students to gain knowledge of L293N Motor Driver Module and its working in real time applications.

Details (Execution):-

This workshop will expose students to new possibilities of making robots and other embedded system which uses motors in them.

Details/List of student participants:-

Sr. No.	Name	RTU Roll Number	Year	Branch
1	Abhishek Prajapat	23ESKEC004	1	ECE
2	Mayank Sharma	23ESKEC055	1	ECE
3	Harsh Kumar	23ESKEC037	1	ECE
4	Badal Choudhary	23ESKEC020	1	ECE

Attendance sheet of participants:- Same as Above

Geotag Photos:-

Certificates (winners and participants and coordinators):-

Signature of Event Coordinator: -

Vanshaj Kataria
6th Sem.
21ESKEC070