

REPORT ON EVENT: SHAPE YOUR FUTURE WITH EMBEDDED SYSTEMS

Organized by: Department of Information and Communication Technology, Faculty of Engineering & Technology, Marwadi University

Speaker: Mr. Pratik Pandya, Embedded Software Integration Lead, General Motors

Date: 3rd February 2024

Time: 10:00 AM to 01:00 PM

Venue: MC501, Main Building

Introduction

The Department of Information and Communication Technology, Marwadi University, organized an insightful event titled "**Shape Your Future with Embedded Systems**" on **3rd February 2024**. The session featured **Mr. Pratik Pandya**, an Embedded Software Integration Lead at General Motors, who provided an in-depth perspective on career opportunities and advancements in the field of embedded systems.

Objectives of the Event

- To familiarize students with the fundamentals and importance of embedded systems in the modern technological landscape.
- To guide students in aligning their academic and professional goals with industry demands.
- To showcase the diverse career opportunities in embedded systems and automotive software development.

Key Highlights of the Event

1. Overview of Embedded Systems

- Mr. Pandya explained the core concepts of embedded systems and their applications in industries like automotive, healthcare, and IoT.
- Discussed the increasing demand for embedded systems in smart devices and automation.

2. Career Opportunities in Embedded Systems

- Highlighted career paths such as Embedded Software Engineer, Firmware Developer, and Systems Architect.
- Shared real-world examples from General Motors and the role of embedded systems in the automotive sector.

3. Skills and Tools Required

- Emphasized the importance of programming languages like C and Python.
- Discussed tools and platforms like MATLAB, Simulink, and real-time operating systems (RTOS).
- Recommended hands-on experience with microcontrollers and hardware debugging tools.

4. Industry Insights and Trends

- Explained how embedded systems are transforming industries with innovations in electric vehicles (EVs), autonomous driving, and IoT.
- Discussed the importance of sustainability and energy efficiency in designing embedded systems.

5. Interactive Q&A Session

- Students engaged with Mr. Pandya on topics ranging from project development to job preparation strategies in the field.
- Personalized advice was provided to students aspiring to work in embedded systems.

Student Participation and Feedback

The event attracted a large number of students from various engineering disciplines. Participants appreciated Mr. Pandya's ability to break down complex concepts and provide actionable career guidance. The real-world examples and industry insights were particularly well-received.

Conclusion

The event "**Shape Your Future with Embedded Systems**" was a resounding success. It equipped students with valuable knowledge about embedded systems and inspired them to explore this rapidly growing domain. The Department of Information and Communication Technology at Marwadi University extends its heartfelt thanks to **Mr. Pratik Pandya** for his time and expertise.

This event reinforced Marwadi University's commitment to bridging the gap between academia and industry and preparing students for a successful future in emerging technologies.



*Department of Information and
Communication Technology Organises*

SHAPE YOUR FUTURE

WITH EMBEDDED SYSTEMS

03RD FEBRUARY, 2024
10:00 AM TO 01:00 PM

Venue: MC501, Main Building



MR PRATIK PANDYA
Embedded Software Integration Lead,
General Motors

Glimpses of the session:



List of Attendees:

Sr	GR NO	Enrol No	Student Name	Gender
1	12065 1	92310133001	NIV VIJAYKUMAR SAPRA	M
2	12099 9	92310133002	DHAIRYA RAKESHBHAI DAVE	M
3	12102 2	92310133003	ROHAN ROY	M
4	12106 7	92310133004	BHARGAV BHAVESHBHAI BHALODIYA	M
5	12109 9	92310133006	VIVEK VIMALBHAI TANNA	M
6	12118 2	92310133007	ABHAY REKHABEN NATHWANI	M
7	12118 7	92310133008	BHAVIK AJITBHAI KALADIYA	M
8	12138 9	92310133009	HARSH CHETAN SANGHAVI	M
9	12139 1	92310133010	VATSAL BIPINBHAI PARMAR	M
10	12146 7	92310133011	MAYANK ANSUMAN BALDANIA	M
11	12162 1	92310133012	JENIL CHIRAGKUMAR VAGHASIYA	M
12	12164 8	92310133013	HIT VIMALBHAI RACHHADIYA	M
13	12181 4	92310133014	TVISHA BHARATBHAI GAMI	F
14	12186 1	92310133015	RIDHAM BHAVESHBHAI TEJANI	M
15	12296 4	92310133016	NIRALI MANISHKUMAR SUREJA	F
16	12345 2	92310133019	NEELKUMAR ISHWARLAL RAIYANI	M
17	118307	92200133012	PRIYA PREM Narayan SHUKLA	F
18	118531	92200133020	FAITH JACKSON NKUBA	F
19	118565	92200133013	RAJNIKANT UDAYBHAI HIRAPARA	M
20	118613	92200133014	HENCY HITESHBHAI DEPANI	F
21	119144	92200133016	MALHARKRISHNA SAHILKRISHNA SHAH	M
22	119238	92200133017	ABHAYBHAI DEVCHANDBHAI PADARIYA	M
23	119296	92200133018	VRAJKUMAR KANTILAL NANDWANA	M
24	119311	92200133019	NIDHI SUBHASHBHAI DATTANI	F
25	119394	92200133021	VIDYA BHARTI SINHA	F
26	119402	92200133022	KRISH KIRTIBHAI MAMTORA	M
27	119437	92200133023	FENIL JIGNESHBHAI VADHER	M
28	119459	92200133025	UMANG KETANBHAI HIRANI	M
29	119486	92200133026	VIVEK MANISHBHAI CHAVDA	M

30	119487	92200133027	RISHIT KAMLESHBHAI RATHOD	M
31	119516	92200133028	HARSHVARDHAN SNEHAL SONI	M
32	119519	92200133041	DHRUVI BHALODIYA	F
33	119539	92200133029	DHRUVIBEN JITENDRA PATEL	F
34	119561	92200133030	ARYAN DILIPBHAI LANGHANOJA	M
35	119563	92200133031	KIRTAN AJAYBHAI MAKWANA	M
36	119585	92200133024	SHANTANUSINH CHANDRASINH PARMAR	M
37	119625	92200133034	DIYA RAJESHBHAI KANERIYA	F
38	119680	92200133035	KRISHNA HARESHBHAI DIXIT	F
39	119694	92200133036	HARSHIL PIYUSHBHAI VADHER	M
40	119699	92200133037	NANDINI JAYESH LASHKARI	F