

CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT, BBSR

Embedded Systems

WORKSHOP

Date: 15-11-2019 to 16-11-2019

Resource Person:



Ms. Rupanita Das

Assistant Professor, CUTM, Odisha

No. of Students and/or Faculty Participated: 60

Venue: Room no. 9. AryaBhatta Block

About resource person: Ms. Rupanita Das is currently working as an Assistant Professor in the Department of Electronics & Communication Engg, Centurion Institute of Technology, CUTM Odisha, with more than eight years of teaching experience. She had completed her graduation and Post Graduation from BPUT. Her research of interest is in the field of RF microwave and Mobile communication.

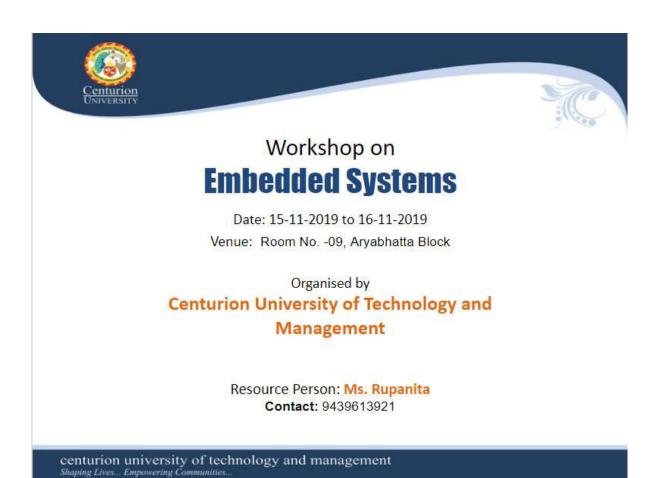
About the Session:

Ms. Rupanita Das discussed an embedded system, how a combination of computer hardware and software is designed for a specific function. Embedded systems may also function within a larger system. The systems can be programmable or have a fixed functionality. Embedded systems use the communication ports to transmit data between the processor and peripheral devices -- often, other embedded systems -- using a communication protocol. The processor interprets this data with the help of minimal software stored on the memory. The software is usually highly specific to the function that the embedded system serves.

Objective: To understand the application of Embedded systems in a communication device.

Outcome:

The Students learned the experimental setup of software and hands-on training. Learning of Motor interface with simulation. Experiment 1: DC motor control DC motor ON/OFF Experiment 2: DC motor direction control DC motor forward DC motor Reverse Experiment 3: DC motor speed control PWM pulse generation Duct cycle calculation DC motor speed control Experiment 4: Buzzer control Digital Buzzer ON/OFF Experiment 5: Test task Combination of DC motor and step



Brochure of the session EMBEDDED SYSTEMS



Figure: Participants attending the workshop on EMBEDDED SYSTEMS





Centurion University of Technology and Management Workshop on "Embedded Systems"

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Attendance Sheet

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5	SUBHANGAM CHOUDHURY	Subham Patra
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7	SUKANYA MOHANTY	SUDIPTA SUNDAR ROY
8	SURAJ KUMAR SINGH	Suxanire Mante
9	SURAJ SAREJENDU PAL	Surray Kumari Singh,
10	SWAYAM SUBHAJEET	Scircos Sarresonolis Pal
11	U. RAKESH	Smagnin Suldregicet
12	UMA SHANKAR RAJ	V. Rakosh.
13	YOGESHWAR DASH	una shanpar Roy
14	ABHISHEK BISWAL	Yourshwer Jan
15	AMIT KUMAR PRADHAN	Abhishek Risual.
16	ANIKET SENAPATI	Amit Keencere Prachan
17	ANKITA MAHATO	Annet CenaPul:
18	ASHIRBAD SAHOO	Anniela Mahaeto
19	ASHUTOSH MOHAPATRA	Asherchad Sahoo
20	ASHUTOSH TRIPATHY	Ashurtosh monapatra
21	DEBASISH SUNDARAY	AShudosh Trapath
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23	HARIKISHAN DAS	t Bhargay
24	K BAL GOPAL	Harrickishan Das
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26	KIRAN KUMAR JAYASINGH	Kangil Bipkab Dhal.
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41	SOUMYA SOURAV BARIK	Shiraen
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47	SWAHIL SUVAM	Swahil Sowam
48	VIDHI SHANKARA	Vidhi shankerra
49	ABHIPSA DEHURY	441 - 2 0 1
50	ABHIPSA MANJAREE PATI	Abhipsa Dehuny
51	ABHISEK BEHERA	Abhisen Beherra
52	ABINASHPATI	Abirachpati .
53	AGNISH PAHARI	Agrich Pahari
54	ALISHA MALLICK	Alisha Mallrex
55	ANANYA ANUMITA	Ananya Aniemita
56	ANKIT KUMAR PRADHAN	Annit humore procehan
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Dr. Prasanta Ku. Mohanty Dean Academic

Prabhat K. Pattnaik FDP Coordinator