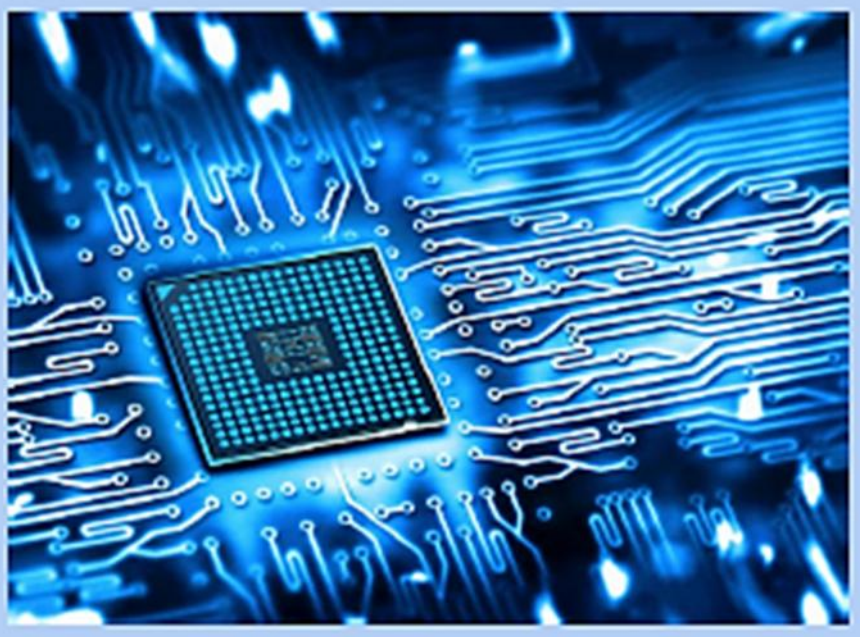
TEQIP-III SPONSORED FACULTY DEVELOPMENT PROGRAM ON

"Embedded Systems & IoT" (ESI-2020)

04th-08th August, 2020



Organized by

Rajasthan Technical University, Kota

&

Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur

Host Institute

Department of Electronics & Communication
Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur-302017
www.skit.ac.in

A
Report
on
One Week
Faculty Development Program
Embedded Systems & IoT
ESI-2020
4th - 8th Aug 2020

Sponsored by TEQIP III

RTU Event Coordinator:

Ms. Parul Chauhan

Host Institute Coordinators:

Mr. Ankit Agarwal
Ms. Pooja Choudhary
Dr. Praveen K Jain

Organized By

Rajasthan Technical University, Kota
&
Swami Keshvanand Institute of Technology Management & Gramothan, Jaipur

Host Institute

Department of Electronics and Communication Engineering
Swami Keshvanand Institute of Technology Management & Gramothan, Jaipur

Approval Letter

Notice

No. RTU/TEQIP-II/F(56)/2018-19/4752-58 **Date: 10/7/20**

Hon'ble Vice-Chancellor is pleased to approve the FDP program to be conducted in online mode at the affiliated college under subhead 1.2.2.4 of RTU(ATU) TEQIP-III Action plan as per the mentioned Schedule.

RAJASTHAN TECHNICAL UNIVERSITY
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TEQIP III-RTU(ATU) OFFICE
Phone: 0744-2473060 Fax: 2473002 Email: rtuteqip@rtu.ac.in

No. RTU/TEQIP-III/F(56)/2018-19/ 4752-58 DATE 10/7/20

47	Sri Balaji College of Engineering And Technology	Machine Learning (An Iroid)	3	To be decided by RTU TEQIP-III Coordinator
48	Sri Balaji College of Engineering And Technology	Multi Variable Multi Response Optimization	5	Dr. Rahul Jain
49	Sri Balaji College of Engineering And Technology	Energy Simulation of Building	5	To be decided by RTU TEQIP-III Coordinator
50	Swami Keshvanand Institute of Technology, Management & Gramothan	Aatmnirbhar Bharat: Encouraging Enterprise In Rural Communities and Remote Regions	3	To be decided by RTU TEQIP-III Coordinator
51	Swami Keshvanand Institute of Technology, Management & Gramothan	Embedded Systems And IOT	5	PARUL CHAUHAN
52	Swami Keshvanand Institute of Technology, Management & Gramothan	Emerging Trends In Nano Electronics (ETNE)	5	Riyaz Ahmad
53	Swami Keshvanand Institute of Technology, Management & Gramothan	Machine Learning And Smart Electronic System	3	Riyaz Ahmad
54	Swami Keshvanand Institute of Technology, Management & Gramothan	Emerging Trends in Organic Electrnics	3	To be decided by RTU TEQIP-III Coordinator
55	Swami Keshvanand Institute of Technology, Management & Gramothan	Nanotechnology Based Green Energy Solution For Solar Cells	3	To be decided by RTU TEQIP-III Coordinator
56	Swami Keshvanand Institute of Technology, Management & Gramothan	Salesforce Trailhead	5	To be decided by RTU TEQIP-III Coordinator
	Swami Keshvanand Institute of			

OBJECTIVE OF ESI-2020

The Embedded Systems and IoT is becoming an increasingly growing topic of conversation both in the workplace and outside of it. There are so many complexities around the Internet of things which we are going to discuss.

The program is split into lectures and online hands-on sessions

- To introduce the Basic building blocks of Embedded Systems and to educate in various Embedded development strategies.
- Establishing basic concepts and key components of Internet of Things
- Understanding the Interaction between cloud computation and sensors.
- Hands-on training in handling IoT building blocks using commercially available components.

COURSE PROGRAM

- The program is split into lectures and online hands-on sessions.
- Assignment for enhanced learning
- Online Hands-on experience on basic and advanced topics
- Interaction and learning with experts from academia and industry
- Certificate to the participants by TEQIP III and RTU Kota.

CONTENT OF THE FDP

- Overview of Embedded systems in practical world
- Introduction of Embedded System.
- Embedded Systems- An integrated approach.
- SoCs: The Evolution
- Reliability applications
- Basics of IoT, Hardware software, networking with IoT
- Introduction to sensors and Actuators
- IoT, Analog and Digital Sensor World
- Introduction to Arduino Board and its programming.
- Applications of IoT in Medical.
- Python Programming
- Interfacing sensors and Actuators to Arduino
- Introduction to Raspberry Pi
- Programming Raspberry Pi with python
- NodeMCU Blynk App

OUTCOMES OF THE FDP

Faculties, Researchers have

- learned the basic building blocks of Embedded Systems.
- learned the essential Embedded system basics applicable to IoT.
- established basic concepts and key components of Internet of Things.
- got the concept of designing and developing the innovative projects using Arduino Board, Raspberry Pi, its programming, NodeMCU Blynk App and Interfacing of sensors and Actuators to Arduino.
- analyzed the abilities & limits of the latest techniques and with this they will guide the students regarding the same.
- troubleshoot the errors while implementing IoT for practical applications.
- got the flavor of different areas of Embedded systems, IoT, resulting in publications and product development.

EXPERT DETAILS

1. **Dr. Virendra Singh, Ph.D (NAIST, Japan)**
   Professor
   Computer Architecture and Dependable Systems Lab. (CADSL)
   Department of Electrical Engineering
   Indian Institute of Technology Bombay
   Mumbai - 400076, India
   URL: www.ee.iitb.ac.in/~viren/

2. **Dr. Lava Bhargava, Ph.D. (IITD)**
   Professor
   Department of Electronics and Communication
   MNIT Jaipur

3. **Prof. Mohit Sinha,**
   Department of Electronics and Communication
   BML Munjal University

4. **Dr. Vivek Srivastava, PhD (IIT-Kharagpur)**
   Associate Professor
   Department of Electrical and Electronics Engineering
   NIT, Delhi

5. **Dr. Rajesh Kumar, Ph.D.(University of Rajasthan)**
   Professor
   Dept. of Electrical Engineering
   MNIT Jaipur

6. **Dr. Tapan Jain,**
   HoD
   Department of Electronics and Communication
   IIIT Nagpur

7. **Mr. Ajay Godara,**
   Founder & CEO,
   Enovate skills

8. **Mr. Saurabh Bhardwaj,**
   Co- Founder TechieNest

9. **Dr. Amit Mahesh Joshi, Ph.D. (SVNIT)**
   Assistant Professor
   Department of Electronics and Communication
   MNIT Jaipur

Event Co-ordinator's Detail

Ms. Parul Chauhan

(RTU Event Coordinator)

Assistant Professor
Computer Science and Engineering Department
University Departments, Rajasthan Technical University, Kota

Host Co-ordinator Details

1. **Mr. Ankit Agarwal**
   Assistant Professor-II
   Department of Electronics and Communication Engineering
   Swami keshvanand Institute of Technology Management and Gramothan, Jaipur
   Email id:- ankit.agarwal@skit.ac.in
   Phone no:- +91-7877556914

2. **Ms. Pooja Choudhary**
   Assistant Professor-II
   Department of Electronics and Communication Engineering
   Swami keshvanand Institute of Technology Management and Gramothan, Jaipur
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   Phone no:- +91-8875140140

3. **Dr. Praveen Kumar Jain**
   Professor
   Department of Electronics and Communication Engineering
   Swami keshvanand Institute of Technology Management and Gramothan, Jaipur
   Email id:- pkjain@skit.ac.in
   Phone no:- +91-9928652224

RESOURCE PERSON

The Various sessions of the FDP will be preceded by the experts from IITs, NITs and other reputed institutes and industries.

REGESTRATION FEE

There is No Registration Fee.

TARGETED AUDIENCE

Faculty of various engineering institutes affiliated to Rajasthan Technical University, Bikaner Technical University and other academic institutes.

FDP SCHEDULE

RAJASTHAN TECHNICAL UNIVERSITY, KOTA
SWAMI KESHVANAND INSTITUTE of TECHNOLOGY, MANAGEMENT & GRAMOTHAN, JAIPUR
TEQIP-III RTU (ATU) SPONSORED
One week Faculty Development Programme
on
Embedded Systems and IoT
(04/08/2020 to 08/08/2020)

VENUE: SKIT M& G, Jaipur
FDP SCHEDULE

DAY/DATE	Session –I 10:00 -11:00 AM	Session – II 11:15 AM – 12:45 PM	Session – III 2:30 PM – 3:30 PM
Tuesday 04-08-2020	**Online Inauguration** **(9:30 AM-10:00 AM)** Overview of Embedded systems in practical world **(10:00-11:00)** **EXPERT : Dr. Virendra Singh IIT Bombay**	Embedded Systems Basics **EXPERT : Dr. Lava Bhargava, MNIT Jaipur**	Embedded Systems- An integrated approach **EXPERT : Mr. Mohit Sinha BML Munjal University**
Wednesday 05-08-2020	SoCs : The Evolution **EXPERT : Mr. Mohit Sinha BML Munjal University**	Reliability applications **EXPERT : Dr. Vivek Srivastava NIT, Delhi**	Basics of IoT, Hardware software, Networking with IoT **EXPERT : Dr. Rajesh Kumar MNIT Jaipur**
Thursday 06-08-2020	Introduction to Sensors and Actuators **EXPERT : Dr. Rajesh Kumar MNIT Jaipur**	IoT , Analog and Digital Sensor world **EXPERT : Dr. Tapan Jain IIIT Nagpur**	Introduction to Arduino board and its Programming, **Expert: Mr. Ajay Godara Director, Enovate skills**
Friday 07-08-2020	Applications of IoT in Medical filed **Expert: Dr. Amit Joshi MNIT, Jaipur**	Python Programming **EXPERT : Mr. Saurabh Bhardwaj Co- Founder TechiNest**	Interfacing sensors and actuators to Arduino **Expert: Mr. Ajay Godara Director, Enovate skills**
Saturday 08-08-2020	Introduction to Raspberry Pi **EXPERT : Mr. Saurabh Bhardwaj Co- Founder TechiNest**	Programming Raspberry Pi with Python **Expert: Mr. Ajay Godara Director, Enovate skills**	NodeMCU Blynk App **EXPERT : Dr. Tapan Jain IIIT Nagpur** **Feedback and Valedictory (3:30PM - 4:00 PM)**

Note: First break from 11:00 am to 11:15 am, and second break from 12:45 to 2:30 pm

Ms. Parul Chauhan
RTU Coordinator

Mr. Ankit Agarwal
Ms. Pooja Choudhary
Dr. Praveen Kumar Jain
Host Institute Coordinator

Signature & Seal
Head of Institute
PRINCIPAL
SWAMI KESHWANAND INSTITUTE OF
Technology, Management & Gramothan
Jagatpura, Jaipur-302025

PARTICIPANTS LIST

S.No	Participant Name	Designation	Department	Institute	Rajasthan / Out of Rajasthan
1	Mr. A. Balamurugan	Assistant Professor	Electrical and Electronics Engineering	Vinayaka Mission's kirupanada variyar Engineering College, Periya seeragapadi Salem	Out of Rajasthan
2	Ms. A. S. Venkataramani	HOD	ECE	P.A.C.RAMASAMY RAJA POLYTECHNIC COLLEGE, RajaPalayam	Out of Rajasthan
3	Ms. Aarti Gupta	Senior Research Associate	Electrical Engineering	Skit Jaipur	Rajasthan
4	Ms. Abha Sharma	Assistant Professor	Electronic and Communication	Arya College of Engineering and Research Centre, Jaipur	Rajasthan
5	Mr. Abhinandan Jain	Assistant Professor	ECE	Swami Keshvanand Institute of Technology, Management & Gramothan,Jaipur	Rajasthan
6	Mr. Abhinandhan E	Assistant Professor	Computer Science and Engineering	Navkis College of Engineering Hassan	Out of Rajasthan
7	Mr. Abhishek Gupta	Associate Professor	Electrical Engineering	Swami Keshvanand Institute of Technology, Jaipur	Rajasthan
8	Mr. Abhishek Sharma	Associate Professor	Electronics & Communication Emgineering	Stani Memorial College of Engineering & Technology, Phagi - Jaipur	Rajasthan
9	Mr. Ajay Kumar Sharma	Assistant Professor	PHYSICS	SKITM&G, JAIPUR	Rajasthan
10	Mr. Akash Deo	Assistant Professor	Electrical Engineering	SKIT Jaipur	Rajasthan
11	Mr. Amit Kumar Mishra	Assistant Professor	Computer Science & Engineering	No	Out of Rajasthan
12	Mr. Amit Sharma	Associate Professor	ECE	Arya College Of Engineering & I.T., Jaipur	Rajasthan
13	Mr. Amod Kumar Bagh	Associate Professor	CSE	GKCET, JEYPORE	Out of Rajasthan
14	Dr. Anand Sharma	Assistant Professor	CSE	MUST, Lakshmangarh	Out of Rajasthan
15	Mr. Anand.D	Assistant Professor	Electronics and Communication Engineering	K.L.N.College of Engineering, Madurai	Out of Rajasthan
16	Mr. Aniket More	Lecturer	Mechanical	MPGI NANDED	Rajasthan
17	Mr. Anil Kumar	Assistant Professor	Computer Science	B. K. Birla Institute of Engineering & Technology, Pilani	Rajasthan
18	Mr. Ankit Sharma	Assistant Professor	IT	B K Birla Institute of Engineering and Technology, Pilani	Rajasthan
19	Mr. Ankur Gangwar	Assistant Professor	ECE	JECRC College, Jaipur	Rajasthan
20	Dr. Anurag Sharma	Associate Professor	Chemistry	Swami keshavanand institute of technology management and gramothan Jagatpura Jaipur	Rajasthan
21	Ms. Arpita Sharma	TA	EC	RIET, Jaipur	Rajasthan
22	Ms. Arulmozhi Vijay Banu.N	Lecturer	Electronics and communication Engineering	IRT Polytechnic College, Chennai	Out of Rajasthan

23	Mr. Arun Kishor Johar	Research Scholar	Electronics and Communication Engineering	Malaviya National Institute of Technology Jaipur	Out of Rajasthan
24	Ms. Arundhati Dudhgaonkar	Assistant Professor	MCA	MGMU'S Jawaharlal Nehru Engineering College, Aurangabad	Out of Rajasthan
25	Mr. Ashish Kulshrestha	Assistant Professor	Electronics & Communication Engineering	Jaipur Engineering College & Research Centre, Jaipur	Rajasthan
26	Mr. Ashish Kumar	Assistant Professor	ECE	JECRC, Jaipur	Rajasthan
27	Ms. Ashita dadhich	Assistant Professor	ECE	MNIT, Jaipur	Out of Rajasthan
28	Mr. Ashok Kumar Patel	Assistant Professor	Electronics and Communication Engineering	Aravali Institute of Technical Studies, Udaipur	Rajasthan
29	Mr. Atul Soni	Assistant Professor	Electrical Engineering	Arya Institute of Engineering and Technology	Rajasthan
30	Mr. Avnish Bora	Associate Professor	Electronics & Communication Engineering	J.I.E.T.JODHPUR	Rajasthan
31	Mr. Azhagu Jaisudhan Pazhani A	Assistant Professor	ECE	Ramco Institute of Technology, TN	Rajasthan
32	Mr. B Tarun Teja	Assistant Professor	Electronics and Communication Engineering	Govt. Polytechnic College Vijayawada	Out of Rajasthan
33	Dr. B. Venkata Raman	Professor	Research and Development	Audisankara College of Engineering and Technology, AP	Out of Rajasthan
34	Mr. Badugu Sangeeth Kumar	Assistant Professor	ECE DEPARTMENT	SANKEIKA INSTITUTE OF TECHNOLOGY AND MANAGEMENT, Visakhapatnam	Out of Rajasthan
35	Ms. Baibhav Bishal	Assistant Professor	ELECTRICAL ENGINEERING	SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY MANAGEMENT & GRAMOTHAN, JAIPUR	Rajasthan
36	Mr. Balakrishna Papolu	Assistant Professor	E.C.E	VIGNAN'S nirula institute of technology and science for women, Guntur	Out of Rajasthan
37	Prof. Baulkani. S	Professor	Electronics and Communication Engineering	Govt. College of Engineering, Tirunelveli - 7	Out of Rajasthan
38	Mr. Bhanwar Veer Singh	Assistant Professor	Electronics and Communication	POORNIMA GROUP OF INSTITUTIONS, Jaipur	Rajasthan
39	Ms. Bhawna Rawat	PhD Scholar	ECE	Delhi Technological University, Delhi	Out of Rajasthan
40	Mr. Bhoopesh KumarKumawat	Assistant Professor	Electronics & Communication Engineering	JECRC, Jaipur	Rajasthan
41	Mr. Bhupendta Kumar Jangir	Assistant Professor	CSE	B K Birla Institute of Engineering and Technology, Pilani	Rajasthan
42	Prof. Bhuvaneswari.R	HOD/ECE	Electronics & Communication	V.S.V.N.Polytechnic College, TN	Out of Rajasthan
43	Mr. Boopathyrajasekar S	Professional Assistant	ELECTRONICS AND COMMUNICATION ENGINEERING	ANNA UNIVERSITY REGIONAL CAMPUS COIMBATORE	Out of Rajasthan
44	Mr. Chandan Kumar Dubey	Assistant Professor	Electronics and communication	Poornima Group of Institutions, Jaipur	Rajasthan
45	Dr. Chandraprabha Manjare	Professor	Electronics and Telecommunication Engineering	JSPM'S JAYAWANTRAO SAWANT COLLEGE OF ENGINEERING HADAPSAR	Out of Rajasthan

				PUNE	
46	Ms. D. Sivakami	Lecturer (Sr Gr)	ICE	ADJ DHARMAMBAL POLYTECHNIC COLLEGE, NAGAPPATTINAM	Out of Rajasthan
47	Ms. Deepa Modi	Assistant Professor	CSE	SKIT	Rajasthan
48	Mr. Deepak gupta	Research scholae	Ece	Mnit	Out of Rajasthan
49	Mr. Deepak saini	Assistant Professor	Electrical Engineering	SKIT	Rajasthan
50	Mr. Deepak Sankhala	Assistant Professor	Electronics and communication	JECRC	Rajasthan
51	Mr. Deependra Khandelwal	Assistant Professor	Electronics & Communication Engineering	Jaipur Engineering College, Kukas, Jaipur	Rajasthan
52	Ms. Deepmala Kulshreshth	Assistant Professor	ECE	JECRC	Rajasthan
53	Mr. Devender kumar Dhaked	Assistant Professor	Computer Science and Engineering	Rajasthan College of Engineering For Women	Rajasthan
54	Dr. Dharmendra Ganage	Assistant Professor	E&TC	Sinhgad College of Engineering, Pune	Out of Rajasthan
55	Prof. Dharminder Kumar	Assistant Professor	ELECTRICAL ENGINEERING	RIMT UNIVERSITY, mandi	Out of Rajasthan
56	Mr. Dinesh Bhatia	Assistant Professor	Electronics Engineering	University Departments, Rajasthan Technical University	Out of Rajasthan
57	Prof. Dipak Pralhad Mahurkar	Assistant Professor	Electronics and Telecommunications Engineering	Sanjivani COE, Kopargaon	Out of Rajasthan
58	Dr Gokulananda Sahu	Associate Professor	Electronics and Communication Engineering	Bhubaneswar College of Engineering, Odisha	Out of Rajasthan
59	Dr Shubhi Jain	Assistant Professor	ECE	Skit College	Rajasthan
60	Dr. Ajay Sharma	Assistant Professor	Electrical Engineering	GEC Jhalawar	Rajasthan
61	Dr. B. Kavitha	Lecturer	ELECTRONICS and COMMUNICATION ENGINEERING	IRT POLYTECHNIC COLLEGE, CHENNAI	Out of Rajasthan
62	Dr. Nayani Kishore Nath	Scientist-G and Project Director-VEDA	Mechanical engineering	Advanced Systems Laboratory, Hyderabad	Out of Rajasthan
63	Dr. Pawan Bhambu	Professor	CSE	Arya College of Engineering & IT Jaipur	Rajasthan
64	Dr. R. Devarajan	Professor	Electrical and electronics engineering	Vinayaka Mission's Kirupananda Variyar Engineering College, Salem	Out of Rajasthan
65	Dr. Ramesh Bharti	Professor	Electronics & Communication Engineering (E& T)	JAGANNATH UNIVERSITY, JAIPUR	Out of Rajasthan
66	Dr. Rashmi Jain	Assistant Professor	E&TC	DYPIT PIMPRI PUNE	Out of Rajasthan
67	Dr. L. Arunraja	Assistant Professor	Electronics and Communication	K.S.Rangasamy College of Arts and Science (Autonomous), Triuchengode	Out of Rajasthan
68	Dr.swati Arora	Associate Professor	Electronics and communication	Swami Keshvanand institute of technology	Rajasthan
69	Mr. Durgarao Nagayalanka	Assistant Professor	ELECTRONICS and COMMUNICATION ENGINEERING	VIGNAN'S NIRULA INSTITUTE of TECHNOLOGY and SCIENCE for WOMEN, Guntur	Out of Rajasthan

70	Ms. E.Kalpana	Lecturer	ECE	P.T.LEE CNPT COLLEGE, Chennai	Out of Rajasthan
71	Ms. Etika Goyal	Assistant Professor	Electronics and Communication	Stani Memorial College of Engineering and Technology, Jaipur	Rajasthan
72	Mr. G Vijayaraju	Assistant Professor	ELECTRONICS AND COMMUNICATION ENGINEERING	SRI SARATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, Nuzvid	Rajasthan
73	Mr. Gajula Sri Venkata Rama Abhishek	Assistant Professor	Computer Science And Engineering	BHIMAVARAM INSTITUTE OF ENGINEERING AND TECHNOLOGY, BHIMAVARAM	Out of Rajasthan
74	Mr. Gaurav Sharma	Research assistant	Electronics and communication	MNIT	Out of Rajasthan
75	Dr. Girraj Sharma	Associate Professor	Electronics and communication	JECRC	Rajasthan
76	Mr. Gopal Krishan Prajapat	Assistant Professor	Computer Science	BK Birla Institute of Engineering and Technology	Rajasthan
77	Ms. Hansa tanwar	Technical assistant	Electrical	Skit	Rajasthan
78	Ms. Hareeta Malani	Assistant Professor	Electronics and communication	Manikya Lal Verma Textile and Engineering College, Pansal chauraha	Rajasthan
79	Mr. Harshal Nigam	Assistant Professor	ECE	SKIT Jaipur	Rajasthan
80	Prof.Harshal Shesharao Hemane	Assistant Professor	Electronics Engineering	Bharati Vidyapeeth University College Of Engineering, Pune	Out of Rajasthan
81	Mr. Hemanth D N	Assistant Professor	Electronics	Jyoti Nivas college Autonomous, Bangalore	Out of Rajasthan
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83	Ms. Ila Sharma	Assistant Professor	Computer science department	Rajasthan Technical University	Rajasthan
84	Mr. Imandi Raju	Assistant Professor	Computer Science and Engineering	VIGNAN'S INSTITUTE of ENGINEERING for WOMEN, VISAKHAPATNAM	Out of Rajasthan
85	Mr. J Ramachanraiah	Assistant Professor	Computer Science and Engineering	SRI VENKATESWARA COLLEGE OF ENGINEERING, Tirupathi	Out of Rajasthan
86	Mr. Jai Prakash Mishra	Assistant Professor	ECE	JECRC, Jaipur	Rajasthan
87	Mr. Jaiverdhan	Assistant Professor	ECE	JECRC JAIPUR	Rajasthan
88	Dr. Janardhan Saikumar	Associate Professor	ECE	Audisankara college of Engineering and technology, Gutur	Out of Rajasthan
89	Mr. Jayadevan N M	Assistant Professor	ELECTRONICS AND COMMUNICATION ENGINEERING	KARPAGAM COLLEGE OF ENGINEERING, Coimbatore	Out of Rajasthan
90	Mr. Jitender Kumar	Assistant Professor	Computer Science	B K BIRLA INSTITUTE OF ENGINEERING AND TECHNOLOGY	Rajasthan
91	Mr. Jogeswar Tripathy	Research Scholar	COMPUTER SCIENCE	ITER, S'O'A DEEMED TO BE UNIVERSITY ODISHA	Out of Rajasthan
92	Ms. K.Ormila	Lecturer	EEE	A.M.K.Technological Polytechnic College, Chennai	Out of Rajasthan
93	Dr. K.Raghava Rao	Professor	Computer engineering	KLEF (Deemed to be University), Gutur, AP	Out of Rajasthan
94	Ms. Kailash Soni	Assistant Professor	Computer Science and Engineering	Swami keshvanand Institute of Technology Management and Gramothan	Rajasthan
95	Ms. Kakade Priyanka Prakash	Assistant Professor	Electronics & Telecommunications	Brahma Valley college of Engineering & Research Institute,	Out of Rajasthan

			Engg	Nashik	
96	Mr. Kaliyappan R	Reseach Scholar	COMPUTER SCIENCE	NALLAMUTHU GOUNDER MAHALINGAM COLLEGE, POLLACHI	Rajasthan
97	Ms. Kanakalashmi C	Assistant Professor	ELECTRONICS	K.R.COLLEGE OF ARTS AND SCIENCE, Kovilatti	Out of Rajasthan
98	Mr. Kannan S	Assistant Professor	Bio Medical Engineering	Vinayaka Mission's Kirupananda Variyar Engineering College, Salem	Out of Rajasthan
99	Mr. Kapalavayi Ramesh babu	Assistant Professor	ECE	VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY, Nambur	Out of Rajasthan
100	Mr. Kapil S. Pachpor	Lecturer	E&TC	Government Polytechnic,Amravati.(MS)	Out of Rajasthan
101	Mr. Karthik B U	Lab instructor	Computer science engineering	Presidency University, bangalore	Out of Rajasthan
102	Ms. Kavita Sharma	Lecturer	CS	Government Polytechnic College, Kota	Out of Rajasthan
103	Mr. Kiran babajirao Salunke	Lecturer	Mechanical engineering department	Government polytechnic Thane	Out of Rajasthan
104	Ms. Kranti Kamble	Assistant Professor	E & TC	Dr.D.Y.Patil School of Engg. & Technology, pune	Out of Rajasthan
105	Prof. Krishna Chandra Roy	Professor	Electrical Engineering	Kautilya institute of technology and engineering, jaipur	Rajasthan
106	Prof. Kuchekar Nilesh Digambar	Assistant Professor	E&Tc Engineering	PVG COET, PUNE	Out of Rajasthan
107	Ms. Kulkarni Sheetal V	Assistant Professor	Instrumentation Engineering	AISSMS IOIT PUNE	Out of Rajasthan
108	Mr. Kumar Pal Singh	Assistant Professor	Mechanical Engineering	Aryabhatta College of Engineering and Research Center, Ajmer	Rajasthan
109	Mr. Kushal Singh Shaktawat	Assistant Professor	Electrical Engineering	Engineering College Jhalawar	Rajasthan
110	Mr. Laxmi Narayan Balai	Assistant Professor	Electronics and Communication Engineering	YAGYAVALKYA INSTITUTE OF TECHNOLOGY JAIPUR	Rajasthan
111	Dr. M. Kiran Kumar	Assistant Professor	PHYSICS	BESANT THEOSOPHICAL COLLEGE, Chittor AP	Out of Rajasthan
112	Dr. M. K. Kirubakaran	Associate Professor	Information technology	St.josephs institute of technology, Chennai	Out of Rajasthan
113	Ms. Mahadevi somnath Namose	Assistant Professor	Computer	JSPM NTC NARHE pune 41	Out of Rajasthan
114	Mr. Mahesh R Prabhu	Teacher	Electronics	S M JR COLLEGE, Maharashtra	Out of Rajasthan
115	Prof. Malan Dipak Sale	Assistant Professor	Computer engineering	Sinhgad college of engineering vadgaon bk pune	Out of Rajasthan
116	Ms. Mamta Jain	Associate Professor	ECE	SKIT	Rajasthan
117	Mr. Mangilal	Assistant Professor	ECE	JECRC Jaipur	Rajasthan
118	Mr. Manish Choubisa	Assistant Professor	CSE	AIET, Jaipur.	Rajasthan
119	Mr. Manish Jain	Assistant Professor	ECE	JNIT,jaiPUR	Rajasthan
120	Mr. Manish Kumar Gupta	Associate Professor	ECE	Arya college of engineering and it kukas jaipur	Rajasthan
121	Mr. Manish Kumar Navlakha	Assistant Professor	Electrical	SKIT M&G, Jaipur	Rajasthan
122	Mr. Manoj Devidas Bagde	Assistant Professor	Electronic & Telecommunications	G. H.Raisoni Institute of Business Management,Jalgaon	Out of Rajasthan
123	Ms. Maryjosephine	HOD/ECE	ELECTRONICS AND	IRT POLYTECHNIC COLLEGE	Out of

	Caroline.R		COMMUNICATION ENGINEERING	,CHROMEPET,CHENNAI-44	Rajasthan
124	Mr. A. R. Ahamed Junaith	Lecturer	Electronics and Communication Engineering	CPCL POLYTECHNIC COLLEGE, Chennai	Out of Rajasthan
125	Mr. Ajay Bhardwaj	Assistant Professor	Electrical Engineering	SKIT, Jaipur	Rajasthan
126	Mr. Ankit Sharma	Assistant Professor	Information technology	B K Birla Institute of Engineering and Technology, pilani	Rajasthan
127	Ms. Archana Devi s m	Lecturer	ECE	Murugappa polytechnic college, Chennai	Out of Rajasthan
128	Ms. B. L. Philomina Suganthi	Lecturer	COMPUTER ENGINEERING	MURUGAPPA POLYTECHNIC COLLEGE, Chennai	Out of Rajasthan
129	Ms. Gloria Joseph	Assistant professor	ECE	SKIT	Rajasthan
130	Mr. Jayprakash Vijay	Associate Professor	ECE	SKIT	Rajasthan
131	Ms. K. Mangalam JayaStree	Lecturer	Instrumentation and control Engineering	Government Polytechnic College	Out of Rajasthan
132	Mr. Kaliyappan R	RESEARCH SCHOLAR	COMPUTER SCIENCE	NALLAMUTHU GOUNDER MAHALINGAM COLLEGE, POLLACHI	Rajasthan
133	Ms. Kiran Rathi	Associate Professor	ECE	SKIT, Jaipur	Rajasthan
134	Ms. M. Anitha	Lecturer	ELECTRONICS AND COMMUNICATION ENGG	MURUGAPPA POLYTECHNIC COLLEGE	Out of Rajasthan
135	Ms. M.Devi	Lecturer	Electronics Robotics	Murugappa Polytechnic College	Out of Rajasthan
136	Ms. Mamta Jain	Associate Professor	ECE	Swami Keshvanand Institute of Technology, Management & Gramothan	Rajasthan
137	Mr. Manish Parmar	Assistant Professor	Electronics and Communication Engineering	Nanhi Pari Seemant Engineering Institute, Pithoragarh Uttarakhand	Out of Rajasthan
138	Ms. Manju Choudhary	Associate professor	ECE	SKITM&G, Jaipur	Rajasthan
139	Ms. Megha Garg	Assistant Professor	Computer engineering	Govt women engineering college ajmer	Rajasthan
140	Dr. Milendrakumar Manilal Solanki	Assistant Professor	Electronics Engineering	B.V.M.Engineering College	Out of Rajasthan
141	Ms. Minal Shahakar	Assistant Professor	Computer Engineering	Dr. D. Y. Patil Institute of Technology	Out of Rajasthan
142	Dr. Mohammed Asim	Assistant Professor	EED	Integral University	Out of Rajasthan
143	Mr. Mohammed Irfan Qureshi	Assistant Professor	Civil Engineering	Bhartiya institute of engineering and technology, sikar	Rajasthan
144	Mr. Mohammed mufeed p	Engineering	EEE	VMKV	Out of Rajasthan
145	Mr. Mohammed Sarfaraz	Assistant Professor	Mechanical engineering	Engineering College Jhalawar Rajasthan	Rajasthan
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147	Mr. mohit Chaudhary	Research Assistant	ece	MNIT	Out of Rajasthan
148	Ms. Monika Shekhawat	Assistant Professor	ECE	BK BIRLA INSTITUTE OF ENGINEERING AND TECHNOLOGY PILANI	Rajasthan
149	Ms. More M K	Lecturer	Computer science	Vishwabharti polytechnic institute	Out of

				Nanded	Rajasthan
150	Mr. Mphanarangan C	HOD/ECE	ECE	PANIMALAR POLYTECHNIC COLLEGE	Out of Rajasthan
151	Mrs sujatha G	Associate Professor	ECE	JNTUH College of Engineering jagtial	Out of Rajasthan
152	Dr. Mangal Patil	Assistant Professor	Electronics	Bharati Vidyapeeth Deemed to be University College of Engg Pune	Out of Rajasthan
153	Mr. Musharraf Hussain	Assistant Professor	Electronic Science	Poona College of Arts, Science and Commerce	Out of Rajasthan
154	Mr. Muthamil Selvam T	Lecturer	Computer Engineering	Seshasayee Institute of Technology	Out of Rajasthan
155	Ms. N. Deivanayaki	Lecturer	Electrical and Electronics Engineering	Murugappa Polytechnic College	Out of Rajasthan
156	Mr. Nachiket Sainis	Assistant Professor	Computer Science	B.K.Birla Institute of Engineering and Technology, Pilani	Rajasthan
157	Mr. Narayan Kumar	System Analyst	Cs	BK Birla Institute of Engineering and Technology Pilani	Rajasthan
158	Mr. Naresh Kumar	Assistant Professor	ECE	JECRC	Rajasthan
159	Mr. Nareshkumar M	Information technology	Information technology	Sri krishna college of engineering and technology	Rajasthan
160	Ms. Navalgund Akkamaha Devi	Lecturer (Sr. Gr.)	ELECTRICAL & ELECTRONICS ENGG.	SGES TlRPT TARIHAL	Out of Rajasthan
161	Dr. Nayani Kishore Nath	Scientist-G and Project Director-VEDA	Advanced Systems Laboratory, DRDO	Advanced Systems Laboratory	Out of Rajasthan
162	Ms. Neelam Swami	Assistant professor	ECE	University College of engineering and technology,Bikaner	Rajasthan
163	Mr. Neeraj Garg	Assistant Professor	CSE	SKIT Jaipur Rajasthan	Rajasthan
164	Mr. Neeraj jain	Assistant professor	Ece	Skit, jaipur	Rajasthan
165	Mr. Neeraj Mohan Gupta	Assistant professor	Chemistry	Govt P G College Guna	Out of Rajasthan
166	Dr. Neha Singh	Assistant Professor	ECE	JECRC	Rajasthan
167	Dr. Nidhi Sindhwani	Assistant professor	ECE	Amity school of engineering and technology, delhi ncr	Out of Rajasthan
168	Ms. Nikita Gautam	Assistant Professor	ECE	Poornima University	Out of Rajasthan
169	Ms. Niveth B	Assistant Professor	BIOMEDICAL ENGINEERING	JERUSALEM COLLEGE OF ENGINEERING	Out of Rajasthan
170	Prof. Nutan Ashokrao Borkar	Assistant Professor	Computer Engineering	Dr. D. Y. Patil School of Engineering & Technology Lohegaon pune	Out of Rajasthan
171	Ms. Nuthi Ritishree	Assistant Professor	Electronic and Communication Engineering	Vignana Bharathi Institute of Technology	Out of Rajasthan
172	Mr. P. Loganathan	Associate Professor	Electrical and Electronics Engineering	Vinayaka Mission's Kirupananda Variyar Engineering college	Rajasthan
173	Ms. P. S. Santhi	Lecturer Selection Grade	EEE	MURUGAPPA POLYTECHNIC COLLEGE	Out of Rajasthan
174	Mr. Pallav Rawal	Assistant Professor	ECE	Swami Keshvanand Institute of Technology, M& G Jaipur	Rajasthan
175	Dr. Pankaj Dadheech	Associate Professor & Dy. HOD	Computer Science & Engineering	Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT),	Rajasthan
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		Professor			
177	Ms. Pasam Malleswari	Assistant Professor	ECE	Vignan's Nirula Institute of Technology and Science for Women	Out of Rajasthan
178	Mr. Pawan Kumar Jain	Assistant Professor	Physics	Swami Keshvanand Institute of Technology Management and Gramothan Jaipur	Rajasthan
179	Mr. Peeyush Kulshrestha	Assistant Professor	CSE	JNIT,JAIPUR	Rajasthan
180	Mr. Phalachandra Y V	Selection Grade Lecturer	E AND C	K V G POLYTECHNIC SULLIA 574239	Out of Rajasthan
181	Ms. Pooja Soni	Research Scholar	Computer Science And Engineering	Suresh Gyan Vihar University	Rajasthan
182	Mr. Pradeep Singh Shekhawat	Assistant Professor	Computer Science and Engineering	B K Birla Institute of Engineering and Technology, Pilani	Rajasthan
183	Ms. Pradnya Nandkumar Sadigale	Assistant Professor	Electronics and telecommunication	Dr D Y Patil School of Engineering and Technology lohegaon	Out of Rajasthan
184	Mr. Pramod Jain	Assistant Professor	Mechanical Engineering	SKIT	Rajasthan
185	Mr. Pramod Kumar	Assistant Professor	Mechanical engineering	Vivekananda Institute of Technology - East Jaipur	Out of Rajasthan
186	Dr. Pramod Sharma	Principal	ECE	Regional College for Education Research and Technology,Jaipur.	Rajasthan
187	Mr. Prashant Hemrajani	Assistant Professor	Computer and Communication Engineering	Manipal University Jaipur	Out of Rajasthan
188	Mr. Prashant Manuja	Assistant Professor	CSE	Manipal University Jaipur	Out of Rajasthan
189	Mr. Pravin Kumar Sharma	Assistant Professor	ECE	JECRC	Rajasthan
190	Mr. Prem Prakash Sharma	Technical assistance	EE	SKIT Jaipur	Rajasthan
191	Ms. Priyanka Sharma	Assistant professor	ECE	SKIT	Rajasthan
192	Prof. Anil Dhawan	Professor & Head	Physics (School of Basic & Applied Sciences)	ANAND INTERNATIONAL COLLEGE OF ENGINEERING, JAIPUR	Rajasthan
193	Ms. Pushpa Gothwal	Assistant professor	ECE	Amity University Rajasthan	Out of Rajasthan
194	Ms. Pishpalatha S. A	Associate Professor	E & IE	UBDTCE	Out of Rajasthan
195	Ms. R.Mahalakshmi	Lecturer	Computer Engineering	NPA CENTENARY POLYTECHNIC COLLEGE	Out of Rajasthan
196	Ms. R. Prasanthi @Punithavathi	Lecturer (Sr. Gr.)	COMPUTER ENGINEERING	A.D.J.DHARMAMBAL POLYTECHNIC COLLEGE	Out of Rajasthan
197	Ms. R. Rajeswari	Lecturer	Electrical and Electronics Engineering	Murugappa Polytechnic College	Out of Rajasthan
198	Mr. Radha Krishna Thapliyal	Assistant Professor	Electronics and communication engineering	B K Birla Institute of Engineering and Technology, Pilani	Rajasthan
199	Mr. Rahul Jaywantrao Shimpi	Assistant Professor	E&TC	GES RHS COE MS & R	Out of Rajasthan
200	Mr. Rahul Sharma	Assistant Professor	Mechanical Engineering	Poornima College of Engineering, Jaipur Rajasthan	Rajasthan
201	Mr. Rahul Sharma	Assistant Professor	CSE	CDGI, Indore	Out of Rajasthan
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203	Mr. Rajesh Kanwadia	Assistant Professor	Electronics and Communication	Shankara Institute of Technology	Rajasthan
204	Mr. Rajiv Katare	Assistant	IT	AURO University	Out of

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210	Mr. Ramesh Kumar N	Faculty	ECE	Sri sai academy	Out of Rajasthan
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216	Ms. Reena Saini	Assistant Professor	Computer Science	B K Birla Institute of Engineering and Technology, Pilani	Rajasthan
217	Ms. Richa Rawal	Associate Professor	IT	SKIT, Jaipur	Rajasthan
218	Ms. Richa Sharma	Assistant Professor	ECE	SKIT COLLEGE	Rajasthan
219	Dr. Rishi Vyas	Associate Professor	Physics	SKIT Jaipur	Rajasthan
220	Dr. Ritambhara	Assistant Professor	ECE	Jecrc	Rajasthan
221	Ms. Ritu Vyas	Assistant Professor	ECE	JECRC	Rajasthan
222	Mr. Rohan Ravindra Kubde	Assistant Professor	Electronics and Telecommunication	Sinhgad Institute of Technology and Science Pune 41	Out of Rajasthan
223	Mr. Rohit Anand	Assistant Professor	ECE	G.B.Pant Engineering College, New Delhi	Out of Rajasthan
224	Mr. Rohit Maheshwari	Assistant Professor	Computer Science and Engineering	Career Point University	Out of Rajasthan
225	Dr. Rupinder Singh	Assistant Professor	Department Of Computer Applications	Chandigarh Group Of Colleges Landran	Out of Rajasthan
226	Ms. S Vennila	TEACHER	MATHEMATICS	GHSS KARISAVAYAL, THANJAVUR DT, TAMIL NADU	Out of Rajasthan
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231	Dr. S.Gowari	Associate	IT	SATHYABAMA INSTITUTE OF	Out of

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234	Dr. Sachin Agrawal	Assistant Professor	CSE	College of Engineering and Technology	Out of Rajasthan
235	Mr. Sachin Balo	Assistant Professor	IT	MCKV Institute of Engineering	Out of Rajasthan
236	Dr. Sachindra B Dhoot	Senior Lecturer	Electronics and Telecommunication	Government Polytechnic Aurangabad	Out of Rajasthan
237	Mr. Sandeep Kumar	Assistant Professor	Computer Science & Engineering	UNIVERSITY COLLEGE OF ENGINEERING & TECHNOLOGY, Bikaner	Rajasthan
238	Mr. Sandeep Kumar Dotya	Assistant professor	Electronics and communication	JECRC JAIPUR	Rajasthan
239	Mr. Sandeep Kumar Jain	Associate Professor	Electronics and Communication Engineering	Vivekananda Global University, Jaipur	Out of Rajasthan
240	Dr. Sandeep Vyas	Associate Professor	Electronics and Communications Engineering	Jaipur Engineering College and Research Centre (JECRC), Jaipur	Rajasthan
241	Dr. Sandip D Satav	Associate Professor	Information Technology	JSPM's Jayawantrao Sawant COE Pune-411028	Out of Rajasthan
242	Ms. Sangita Kumari	Assistant Professor	CSE	MBM Engineering college	Out of Rajasthan
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244	Dr. Sanjay Kumar Singh	Assistant Professor (Sr Scale)	Electrical & Electronics Engineering	Amity University Rajasthan	Out of Rajasthan
245	Ms. Sanju Choudhary	Associate Professor	IT	SKIT, Jaipur	Rajasthan
246	Mr. Sarabjeet Singh	Assistant Professor	Computer Science	SKITM&G, Jaipur	Rajasthan
247	Dr. Sarla Sharma	Assistant Professor	Physics	Kanoria PG Mahila Mahavidyalaya	Out of Rajasthan
248	Mr. Satendra Singh	Assistant Professor	Mechanical Engineering	Vivekananda Global University Jaipur	Out of Rajasthan
249	Mr. Satpal Singh Kushwaha	Assistant Professor	Computer Science and Engineering	Manipal University Jaipur	Out of Rajasthan
250	Mr. Satya Narayan Vijay	Assistant Professor	EC	JEC	Rajasthan
251	Mr. SatyaN Vijayvergiya	Dean (R&D)	ELECTRONICS AND COMMUNICATIONS	Swami keshvanand institute of technology management and gramothan	Rajasthan
252	Mr. Saurabh agarwal	Research	Ece	MNIT	Out of Rajasthan
253	Mr. Saurabh Sharma	Cyber Security Expert	B.tech Computer Science	VAISH COLLEGE OF ENGINEERING, ROHTAK	Out of Rajasthan
254	Ms.Savita.S.Chitagubbi	Assistant professor	Electronic Instrumentation	Govt(S.G.E.S Raul) Polytechnic, Hubli	Out of Rajasthan
255	Mr. Shailesh M Hambarde	Assistant Professor	Electronics and Telecommunication	JSPM'S Jayawantrao Sawant college of Engineering, Hadapsar, Pune	Out of Rajasthan
256	Mr. Shailesh Shivajirao Bhise	HOD	Electronics and Telecommunications Engg.	Latthe Education Society's Polytechnic, Sangli	Out of Rajasthan

257	Ms. Shanthikala K	Assistant Professor	Electronics and Communication	K.S.Rangasamy College of Arts and Science (Autonomous), Namakkal, Tamil Nadu	Out of Rajasthan
258	Ms. Shanu Tripathi	Assistant Professor	Computer Science & Engineering	Swami Keshvanand Institute of Technology, Management & Gramothan	Rajasthan
259	Mr. Sharad Shamrao Rajigare	Assistant Professor	Engineering Sciences	Ramrao Adik Institute of Technology,Nerul Navi Mumbai	Out of Rajasthan
260	Ms. Sheetal Hanumantrao Barshikar	Assistant Professor	E&tc	Sinhgad Institute of Technology and Science Narhe Pune 41 Maharashtra India	Rajasthan
261	Dr. Shikha Jain	Assistant Professor	Management	UKSIMSR, Kurla Mumbai	Out of Rajasthan
262	Mr. Shivam Chauhan	Assistant Professor	CIVIL ENGINEERING	Engineering College, Ajmer	Rajasthan
263	Ms. Shruti Kalra	Associate Professor	Electronics and Communications	JAIPUR ENGINEERING COLLEGE AND RESEARCH CENTER JAIPUR	Rajasthan
264	Ms. Shubhangi rangnath khade	Assistant Professor	Computer engineering	Modern education society's college of engineering pune	Out of Rajasthan
265	Ms. Shweta agarwal	Assistant Professor	Electronic and communications	Shankara institute of technology kukas jaipur	Rajasthan
266	Mr. Shyam Sunder Karma	Sr. Lecturer	INDUSTRIAL ELECTRONICS	DHAR POLYTECHNIC COLLEGE, DHAR MP	Out of Rajasthan
267	Mr. ShyamSunder Manaktala	Assistant Professor	ECE	JECRC JAIPUR	Rajasthan
268	Prof. Smita Khot	Assistant Professor	Computer Engineering	DIT Pimpri	Out of Rajasthan
269	Ms. Smtiti Jain	Associate Professor	ELECTRICAL ENGINEERING	SKIT JAIPUR RAJASTHAN	Rajasthan
270	Ms. Smt Jayasheela R Patil	Selection Grade Lecturer	Electronics & Communication	Government (SGES) Polytechnic Tarihal -Hubli	Out of Rajasthan
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273	Prof. Snehal Pedgaonkar	Assistant Professor	Electronics Telecommunication	Alard College of Engineering and Management, Pune	Out of Rajasthan
274	Ms. Sonia	Assistant professor	Applied sciences	Geeta engineering college, Panipat	Out of Rajasthan
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278	Dr. Srinivas Kota	Assistant Professor	Mechanical Engineering	BITS Pilani	Out of Rajasthan
279	Mr. Subhash Chandra Jat	Associate Professor	Computer Science	RCEW JAIPUR	Rajasthan
280	Mr. Subrat Prasad Rath	Assistant Professor	ETC	GKCET,JEYPORE,KORAPUT	Out of Rajasthan
281	Ms. Suchita Wagh	Assistant Professor	E&TC	Sinhgad Inst. of Tech. & Science, Narhe, Pune	Out of Rajasthan
282	Mr. Sudarshan Kumar Jain	Assistant Professor	ECE	Jagannath University, Jaipur	Out of Rajasthan
283	Mr. Sudhanshu Mathur	Assistant Professor	Electronics & Communication	JaganNath University, Jaipur	Out of Rajasthan
284	Mr. Sudhanshu	Assistant	ECE	Amity University Rajasthan	Out of

	Singh	Professor			Rajasthan
285	Dr. Sujit Kumar	Assistant Professor	Electrical and Electronics Engineering	Noida Institute of Engineering and Technology Greater Noida	Out of Rajasthan
286	Ms. Suman Sharma	Associate Professor	Electrical engineering	Skit	Rajasthan
287	Ms. Suman Sharma	Assistant Professor II	ECE	SKIT COLLEGE	Rajasthan
288	Dr. Sunil Moon	Associate Professor	ETC	PICT PUNE	Out of Rajasthan
289	Mr. Sunil Kumar	Assistant Professor	Electronics & Communication	Shri Bhawani Niketan Institute of Technology & Mgmt., Jaipur	Rajasthan
290	Mr. Suresh Muralidharan	Lecturer Selection Grade	Electrical and Electronics	Murugappa Polytechnic College, Chennai	Out of Rajasthan
291	Mr. Sushant Khedgikar	Dean - Academics	Electronics and Telecommunication	P. E. S. College of Engineering, Aurangabad	Out of Rajasthan
292	Mr. Suvendu Swain	Assistant Professor	E.T.C	GOPAL KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY, Odisha	Out of Rajasthan
293	Dr. Swati Bhisikar	Associate Professor	ETC	JSPM Rajarshi Shahu College of Engineering Pune	Out of Rajasthan
294	Dr. Sweety Jain	Assistant Professor	Electronics and Communication	Samrat Ashok Technological Institute, Vidisha	Out of Rajasthan
295	Mr. Syed Kareemsaheb	Associate Professor	ECE	AUDISANKARA INSTITUTE OF TECHNOLOGY,GUDUR,NELLOR E DISTRICT	Out of Rajasthan
296	Ms. T. Muthamil	Assistant Professor	EEE	Annapoorana Engineering College, Salem	Out of Rajasthan
297	Ms. T.Udhayarani	HOD	ECE	P.T.LEE CNPT COLLEGE,Vepery	Out of Rajasthan
298	Mr. T.Vinay Kumar	Assistant Professor	EEE	GNDEC, Bidar, karnataka	Out of Rajasthan
299	Mr. Tarun Kumar Chheepa	Assistant Professor	Department of Electrical Engineering	Swami Keshvanand Institute of Technology, Management and Gramothan	Rajasthan
300	Mr. Tushar Kisan Zombade	Assistant Professor	E & TC	Sinhgad College of Engineering, Pune	Out of Rajasthan
301	Ms. Uma Maheswari S	Lecturer	INSTRUMENTATION AND CONTROL ENGINEERING	GRG POLYTECHNIC COLLEGE, KUPPEPALAYAM,COIMBATORE	Out of Rajasthan
302	Ms. Umachelliah	Lecturer	ICE	Government polytechnic college Purasawalkam Chennai	Out of Rajasthan
303	Ms. Umayalakshmi R	Senior Lecturer	Electronics and communication Engineering	Ayya Nadar Janaki Ammal Polytechnic College Chinnakkamanpatti, Sivakasi	Out of Rajasthan
304	Ms. V. Banumathy	Lecturer (Sr.Gr)	Computer Engineering	A.D.J.Dharmambal polytechnic college, Kadambadi, Nagapattinam	Out of Rajasthan
305	Ms. V.Indirani	Lecturer	ECE	P.T.Lee Chengalvaraya Naicker Polytechnic College College, Chennai	Out of Rajasthan
306	Ms. V.Vanitha	Assistant Professor	ECE	AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY, Chennai	Out of Rajasthan
307	Mr. Vaibhav Gupta	Assistant Professor	Mechanical	UD, RTU	Rajasthan
308	Ms. Vanamala S	Lecturer	Electronics and Communication Engineering	P.T.Lee Chengalvaraya Naicker Polytechnic College, Chennai	Out of Rajasthan
309	Dr. VG. Ravindhren	Lecturer	Computer Engineering	SESHASAEYEE INSTITUTE of TECHNOLOGY, trichy	Out of Rajasthan

310	Mr. Vidya Sagar Potharaju	Associate Professor	Electronics and Communication Engineering	VBIT, Hyderabad	Out of Rajasthan
311	Mr. Vijent Bhojak	Assistant Professor	Education	IASE(DEEMED TO BE) UNIVERSITY, SARDARSHAHR	Out of Rajasthan
312	Ms. Vijeta khicha	Assistant Professor	Cse	Skit	Rajasthan
313	Mr. Vikas Kumawat	Assistant Professor	IT	B K Birla Institute of Engineering &Technology, pilani	Rajasthan
314	Mr. Vikas Ranveer Singh Mahala	Assistant Professor	Electrical Engineering	SKIT Jaipur	Rajasthan
315	Mr. Vikas Sharma	Assistant Professor	Electronics and communication engineering	Jaipur Engineering College & Research Center Jaipur	Rajasthan
316	Mr. Vinay Singh Marwal	Associate Professor	MECHANICAL ENGINEERING	SWAMI KESHVANAND INSTITUTE OF TECHNOLOGY, MANAGEMENT & GRAMOTHAN JAIPUR	Rajasthan
317	Mr. Vineet Kumar	Assistant Professor	Department of Mechanical Engineering	Aryabhatta College of Engineering and Research Center Ajmer	Rajasthan
318	Dr. Vinita Mathur	Associate Professor	Electronics and Communication	JECRC, Jaipur	Rajasthan
319	Mr. Vinod Kumar Netad	Assistant Professor	ECE	MBM Engineering College Jodhpur	Out of Rajasthan
320	Mr. Vishal D. Bharate	Assistant Professor	Electronics and Telecommunication	Sinhgad Academy of Engineering, Pune	Out of Rajasthan
321	Prof. Vishal Tandon	Assistant Professor	Physics	Govt holkar science college indore	Out of Rajasthan
322	Mr. Vishwas Mishra	Assistant Professor	ECE	Swami vivekanand subharti university Meerut	Out of Rajasthan
323	Mr. Vivek Bhojak	Head	ECE	Anand International College of Engineering, Jaipur	Rajasthan
324	Mr. Vivek Sharma	Assistant Professor	Electrical Engineering	SKIT Jaipur	Rajasthan
325	Ms.Yashika Saini	Assistant Professor	ECE	AIET, Jaipur.	Rajasthan
326	Ms. Yogita	Assistant Professor	ECE	Jaipur Engineering college and research centre, Jaipur	Rajasthan

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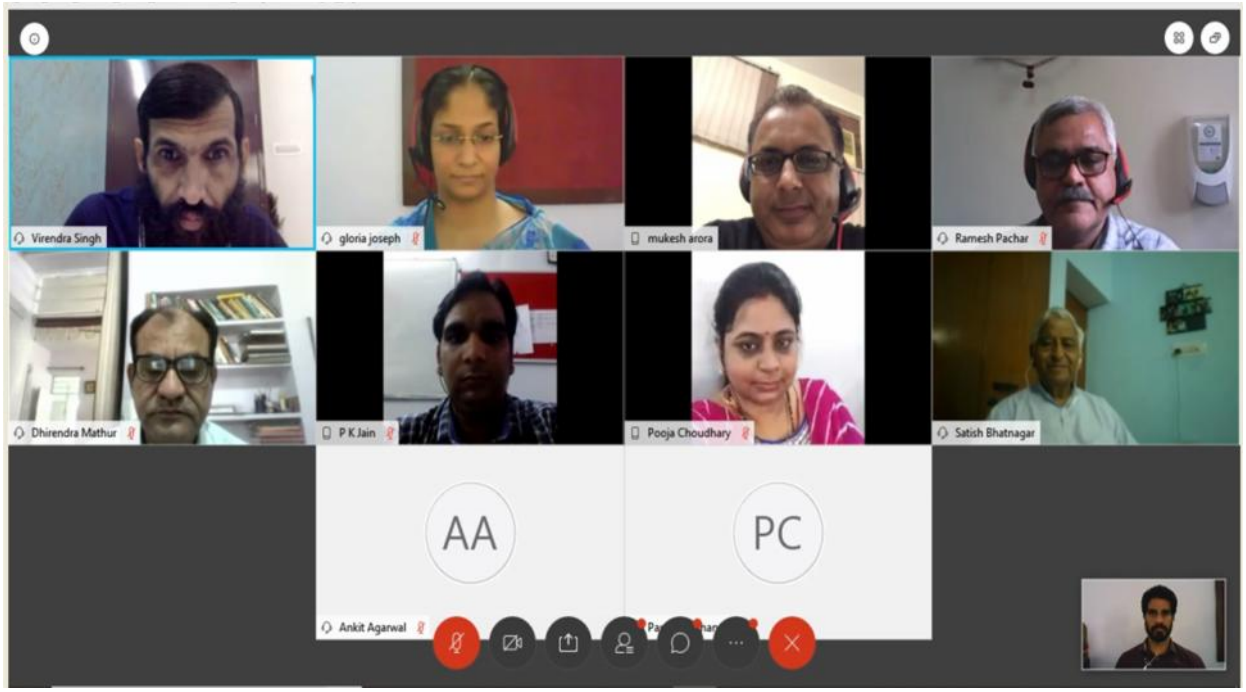

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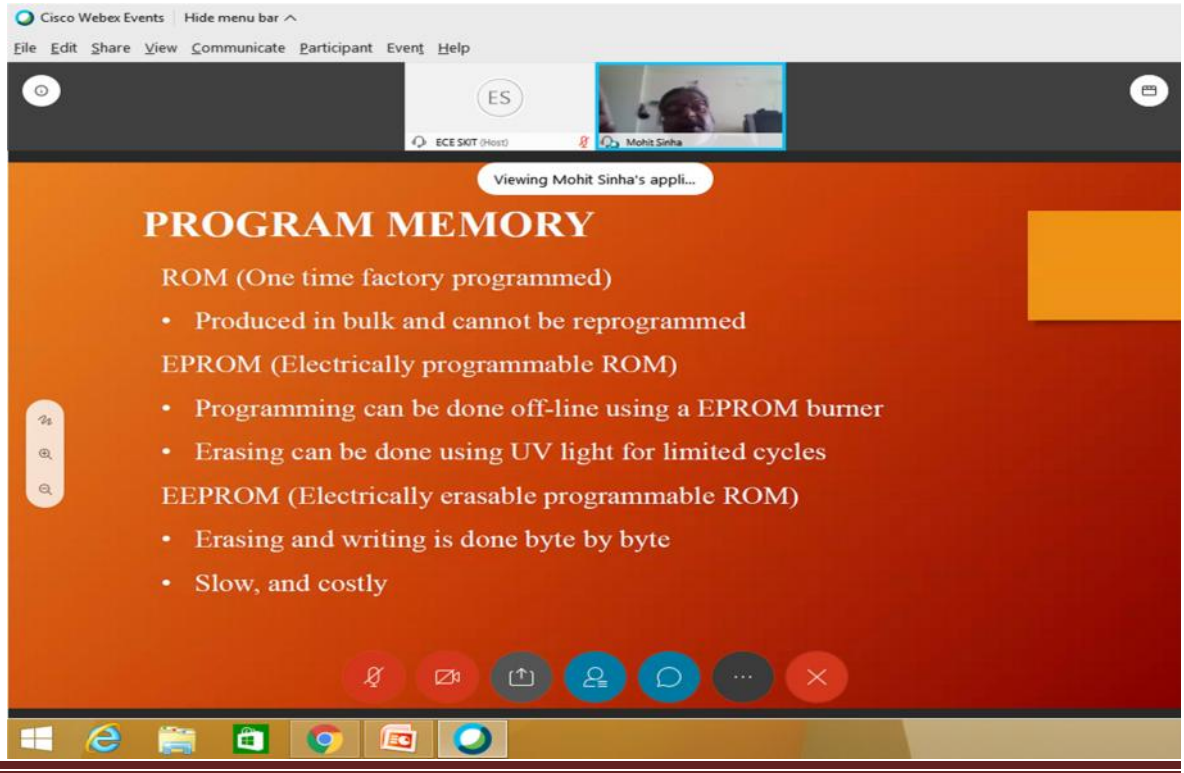

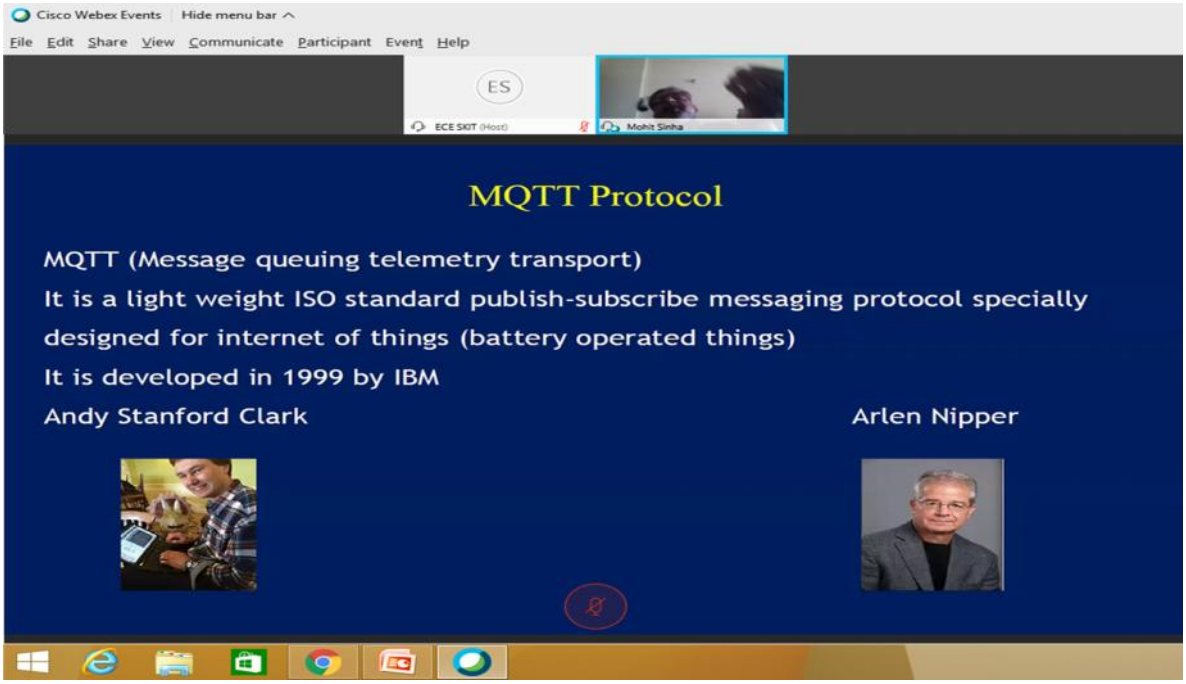
Cisco Webex Events
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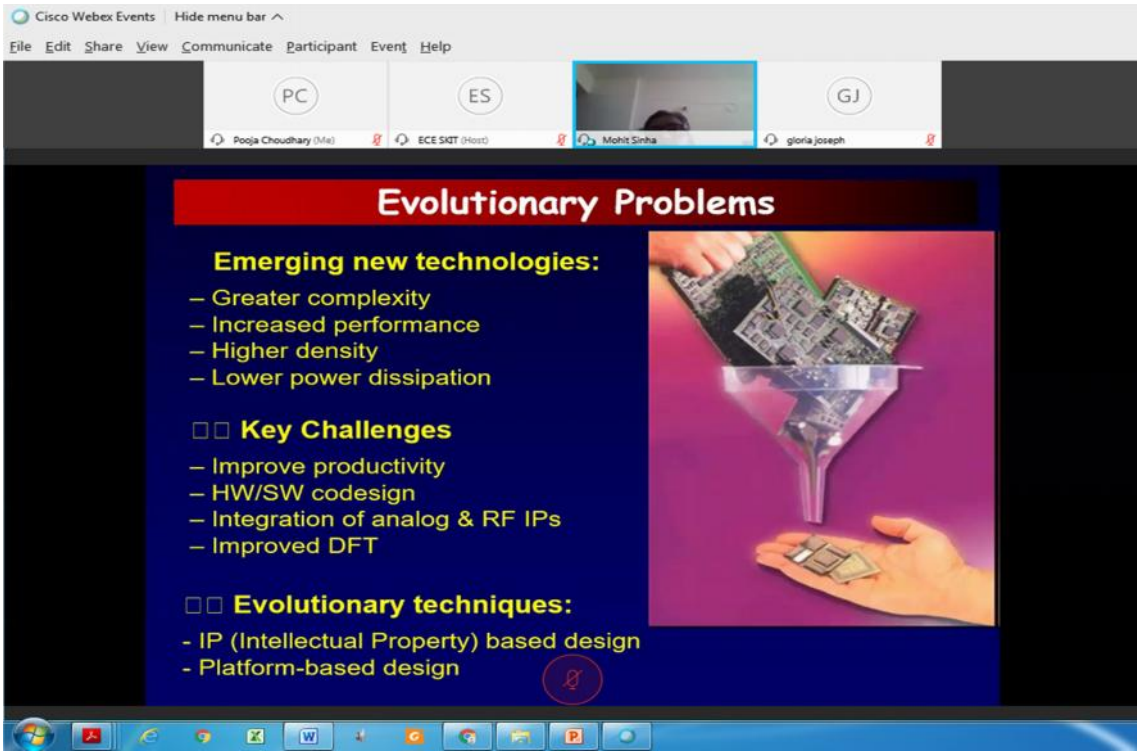
ES
ECE SKIT (Host)
Mohit Sinha
MQTT Protocol
MQTT (Message queuing telemetry transport)
It is a light weight ISO standard publish-subscribe messaging protocol specially designed for internet of things (battery operated things)
It is developed in 1999 by IBM
Andy Stanford Clark
Arlen Nipper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Pooja Choudhary (Me)
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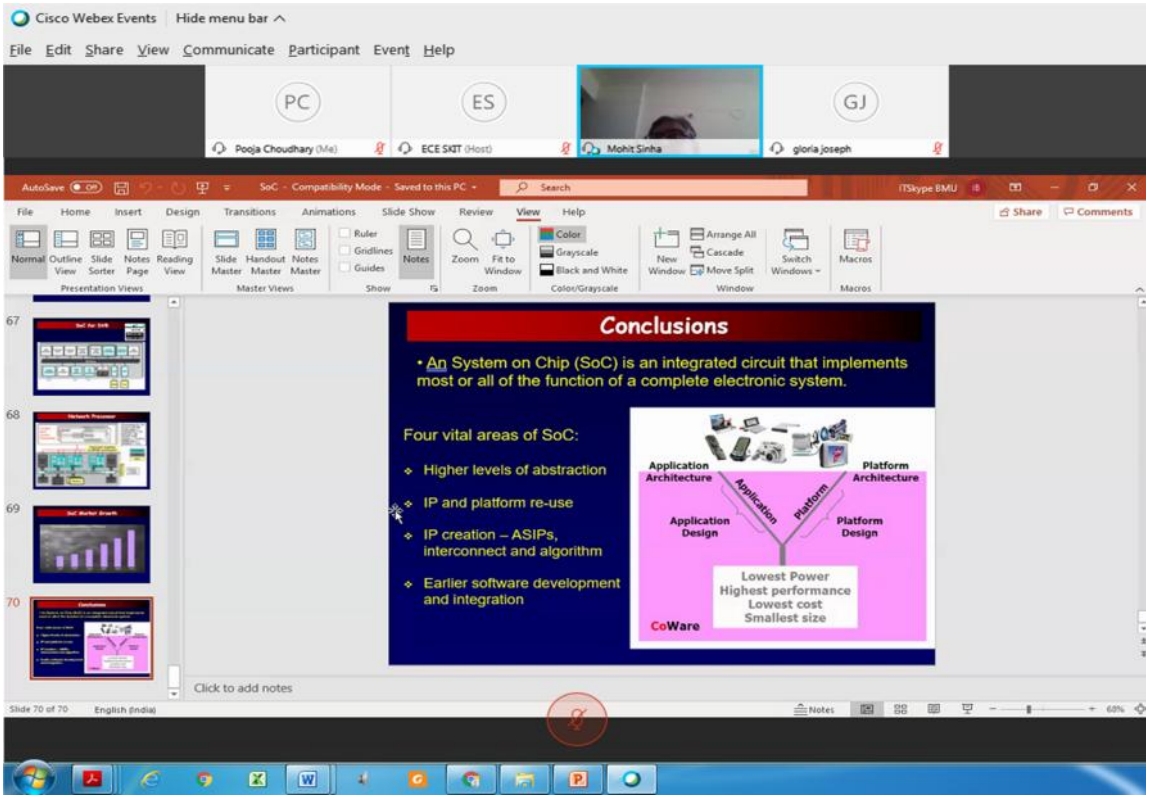
Evolutionary Problems
Emerging new technologies:
– Greater complexity
– Increased performance
– Higher density
– Lower power dissipation
Key Challenges
– Improve productivity
– HW/SW codesign
– Integration of analog & RF IPs
– Improved DFT
Evolutionary techniques:
- IP (Intellectual Property) based design
- Platform-based design


Cisco Webex Events
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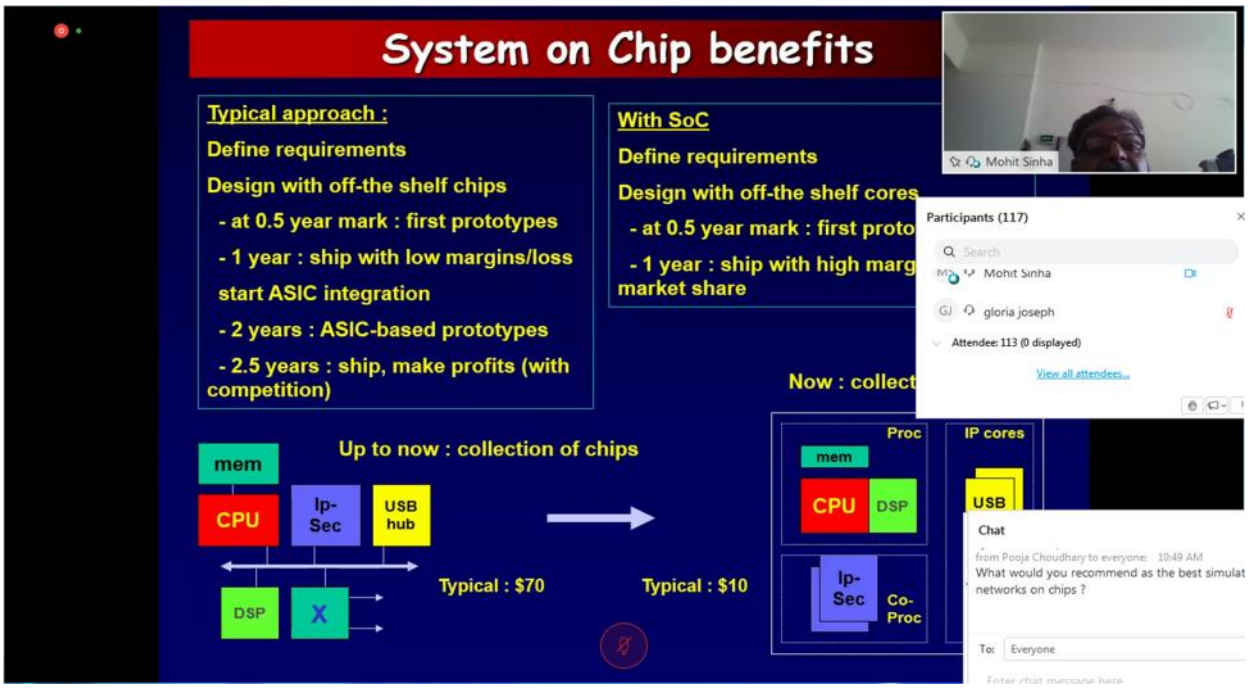
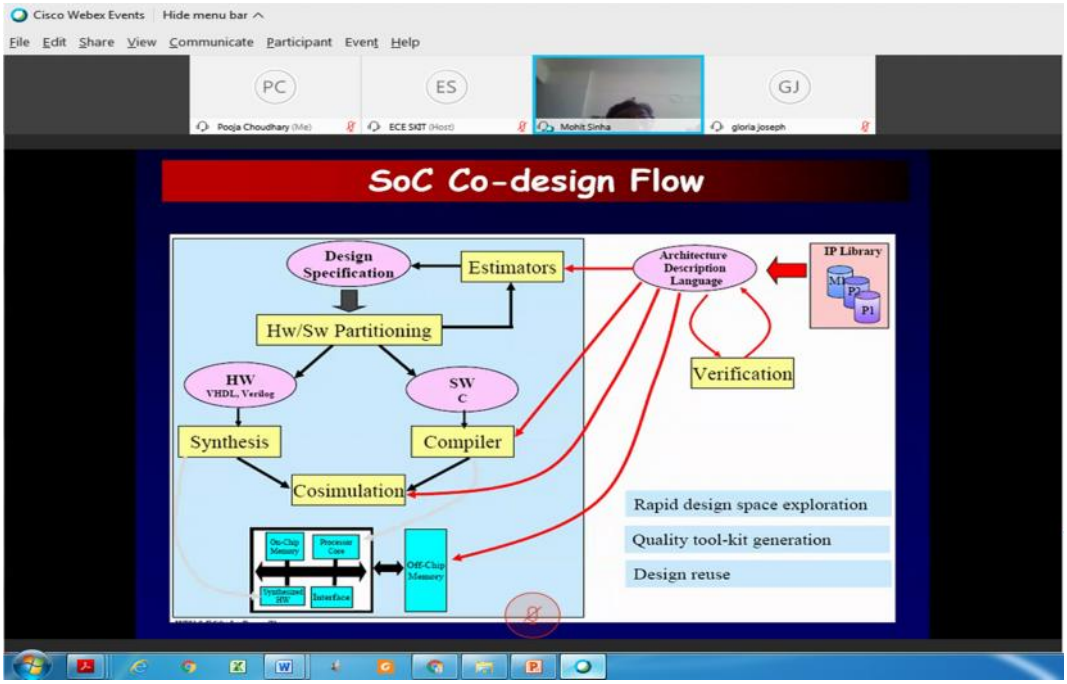
Pooja Choudhary (Me)
ECE SKIT (Host)
Mohit Sinha
gloria joseph
Conclusions
• An System on Chip (SoC) is an integrated circuit that implements most or all of the function of a complete electronic system.
Four vital areas of SoC:
Higher levels of abstraction
IP and platform re-use
IP creation – ASIPs, interconnect and algorithm
Earlier software development and integration
Application Architecture
Platform Architecture
Application Design
Platform Design
Lowest Power
Highest performance
Lowest cost
Smallest size
CoWare
Click to add notes


System on Chip benefits
Typical approach :
Define requirements
Design with off-the shelf chips
- at 0.5 year mark : first prototypes
- 1 year : ship with low margins/loss
start ASIC integration
- 2 years : ASIC-based prototypes
- 2.5 years : ship, make profits (with competition)
With SoC
Define requirements
Design with off-the shelf cores
- at 0.5 year mark : first proto
- 1 year : ship with high marg
market share
Mohit Sinha
Participants (117)
Mohit Sinha
gloria joseph
Attendee: 113 (0 displayed)
View all attendees...
Now : collect
Up to now : collection of chips
mem
CPU
Ip-Sec
USB hub
DSP
X
Typical : $70
Typical : $10
Proc
mem
CPU
DSP
IP cores
USB
Ip-Sec
Co-Proc
Chat
from Pooja Choudhary to everyone: 10:49 AM
What would you recommend as the best simulat
networks on chips ?
To: Everyone


Cisco Webex Events
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PC
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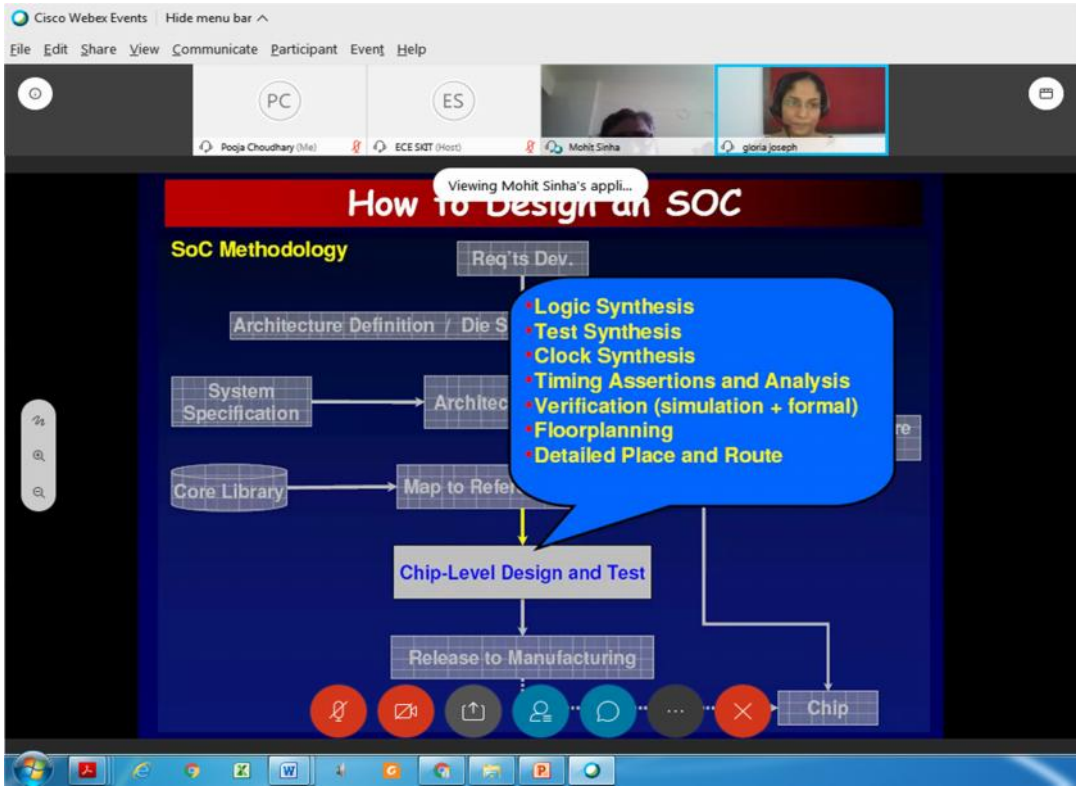
GJ
Pooja Choudhary (Me)
ECE SKIT (Host)
Mohit Sinha
gloria joseph
SoC Co-design Flow
Design Specification
Estimators
Architecture Description Language
IP Library
Hw/Sw Partitioning
HW
VHDL, Verilog
SW
C
Verification
Synthesis
Compiler
Cosimulation
Rapid design space exploration
Quality tool-kit generation
Design reuse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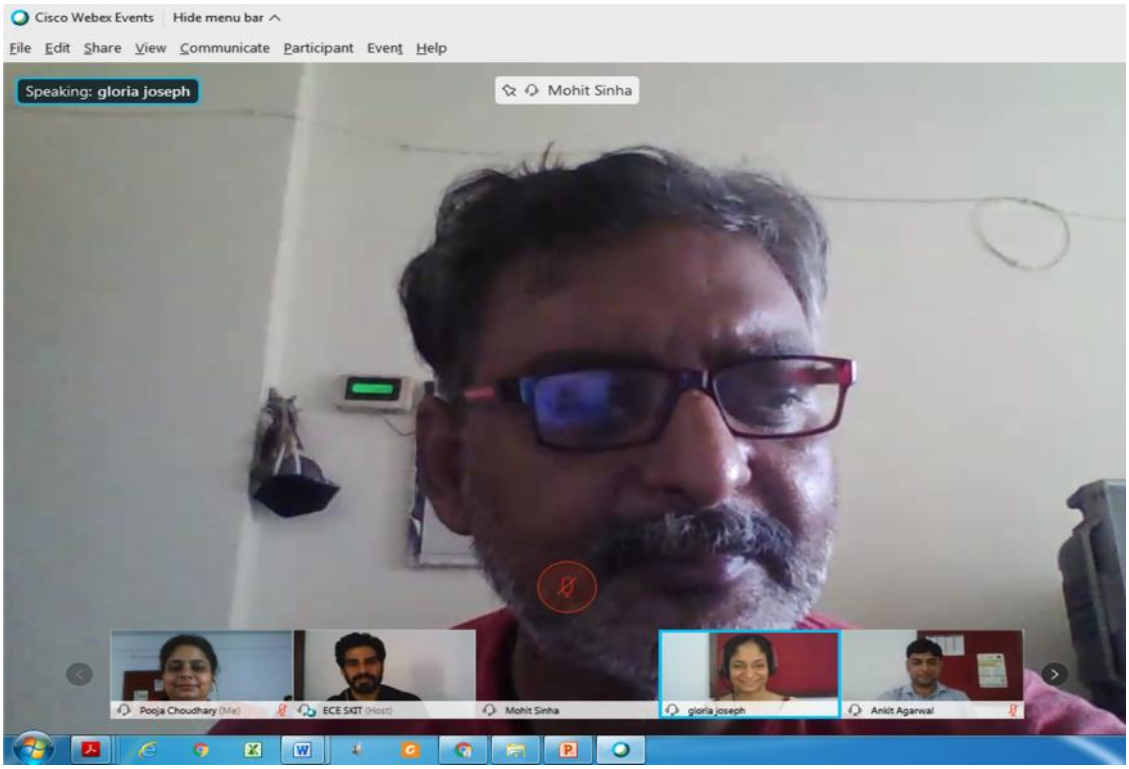
Pooja Choudhary (Me)
ECE SKIT (Host)
Mohit Sinha
gloria joseph
Viewing Mohit Sinha's appli...
How to Design an SOC
SoC Methodology
Req'ts Dev.
Architecture Definition / Die S
System Specification
Architec
Core Library
Map to Refer
Logic Synthesis
Test Synthesis
Clock Synthesis
Timing Assertions and Analysis
Verification (simulation + formal)
Floorplanning
Detailed Place and Route
Chip-Level Design and Test
Release to Manufacturing
Chip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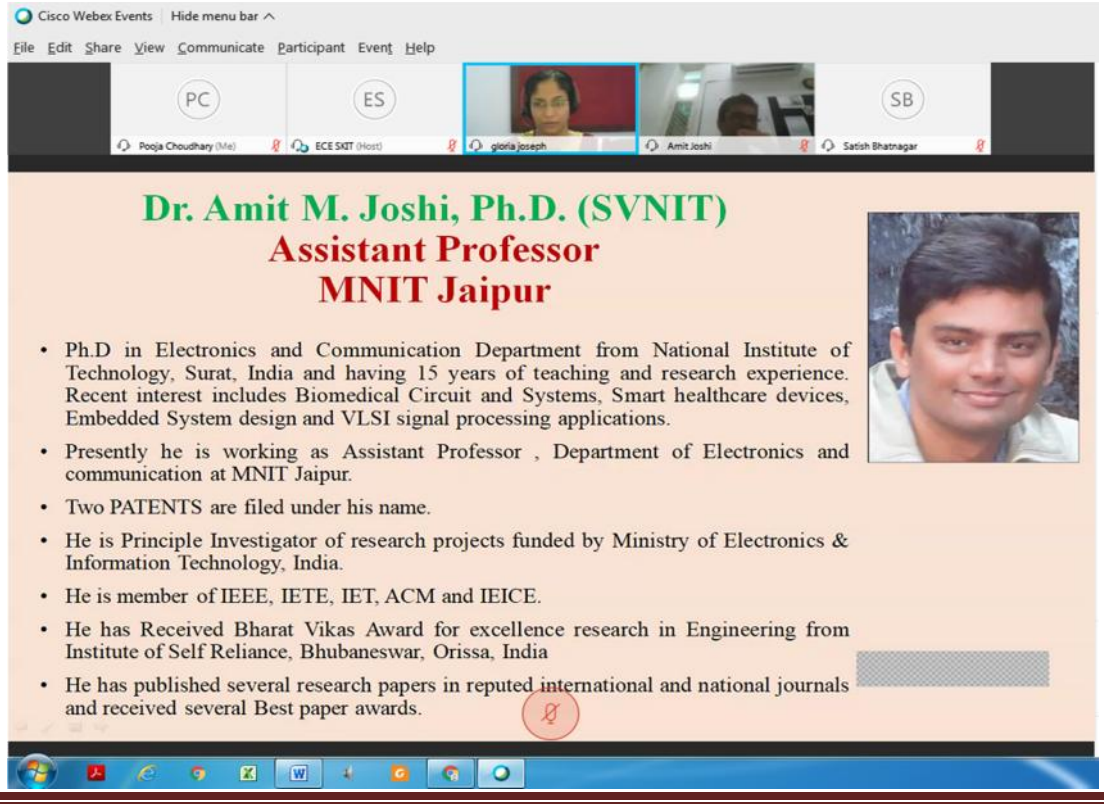
Speaking: gloria joseph
Mohit Sinha
Pooja Choudhary (Me)
ECE SKIT (Host)
Mohit Sinha
gloria joseph
Ankit Agarwal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ECE SKIT (Host)
gloria joseph
Amit Joshi
Satish Bhatnagar
Dr. Amit M. Joshi, Ph.D. (SVNIT)
Assistant Professor
MNIT Jaipur
• Ph.D in Electronics and Communication Department from National Institute of Technology, Surat, India and having 15 years of teaching and research experience. Recent interest includes Biomedical Circuit and Systems, Smart healthcare devices, Embedded System design and VLSI signal processing applications.
• Presently he is working as Assistant Professor , Department of Electronics and communication at MNIT Jaipur.
• Two PATENTS are filed under his name.
• He is Principle Investigator of research projects funded by Ministry of Electronics & Information Technology, India.
• He is member of IEEE, IETE, IET, ACM and IEICE.
• He has Received Bharat Vikas Award for excellence research in Engineering from Institute of Self Reliance, Bhubaneswar, Orissa, India
• He has published several research papers in reputed international and national journals and received several Best paper awards.

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ECE SKIT (Host)
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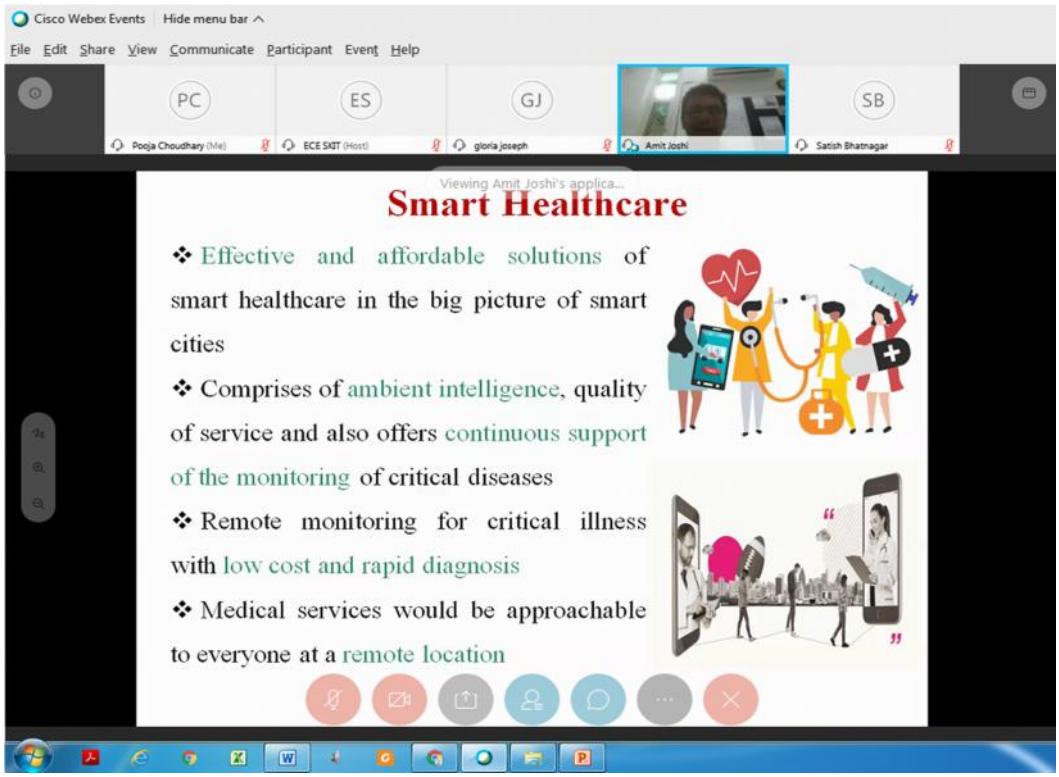
Amit Joshi
Satish Bhatnagar
Viewing Amit Joshi's applica...
Medical Internet of Things
❖With their ability to collect, analyze and transmit health data, IoT would play the major role for transforming the healthcare to smart healthcare
❖For patients and clinicians, these applications are playing a central part in tracking and preventing chronic illnesses — and they're poised to evolve the future of care.
Health Cloud
EHR
Physician
Medical tablet
Desktop manager
Biobanks clinical trials
Wearables
Patient
Dimitrov, Dimiter V. "Med
research 22, no. 3 (2016): 156-163.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ECE SKIT (Host)
gloria joseph
Amit Joshi
Satish Bhatnagar
Viewing Amit Joshi's applica...
Smart Healthcare
❖ Effective and affordable solutions of smart healthcare in the big picture of smart cities
❖ Comprises of ambient intelligence, quality of service and also offers continuous support of the monitoring of critical diseases
❖ Remote monitoring for critical illness with low cost and rapid diagnosis
❖ Medical services would be approachable to everyone at a remote location

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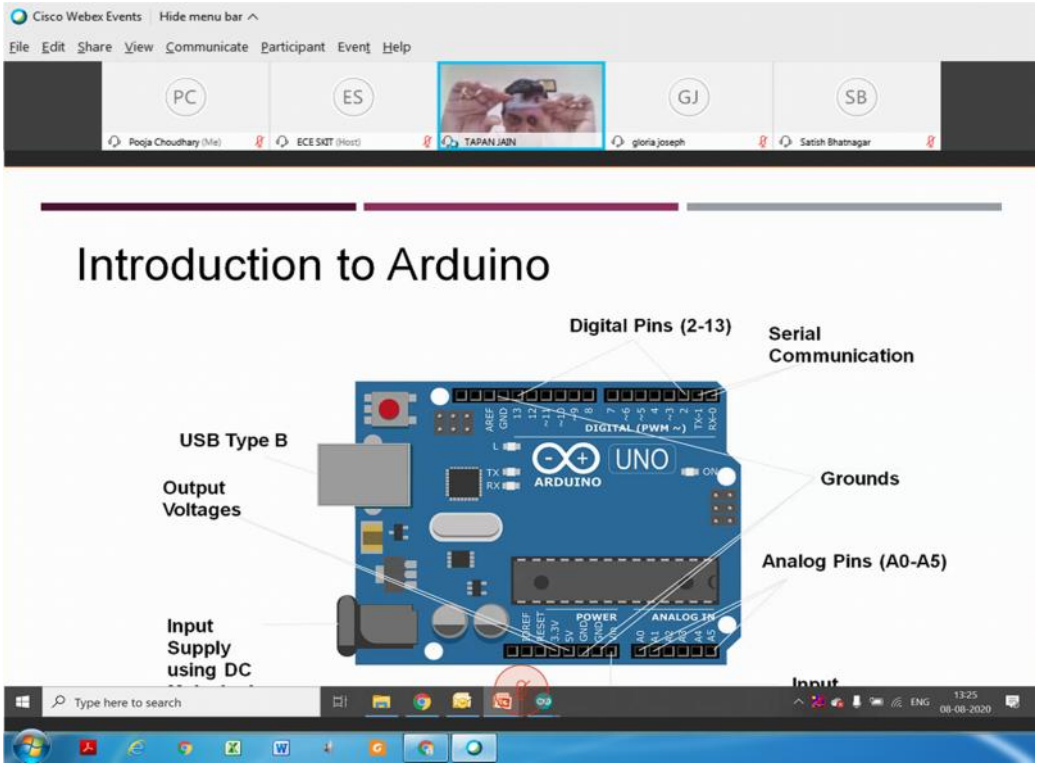
ECE SKIT (Host)
gloria joseph
Amit Joshi
Satish Bhatnagar
Features of sHealth
Demand where doctors and patients are connected remotely
Continues monitoring for critical conditions
For corrective actions and quality of care with proper diagnosis
Real-time access of the health records
The point of care service and medication through intelligent consumer electronics devices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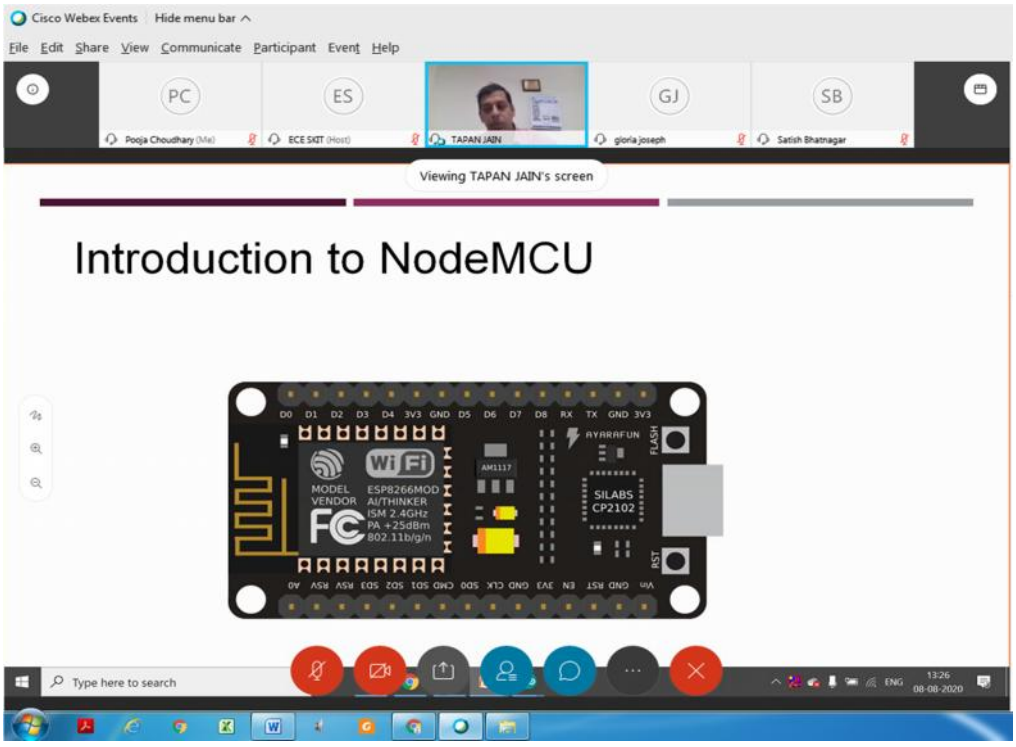
Pooja Choudhary (Me)
ECE SKIT (Host)
TAPAN JAIN
gloria joseph
Satish Bhatnagar
Introduction to Arduino
Digital Pins (2-13)
Serial Communication
USB Type B
Output Voltages
Grounds
Analog Pins (A0-A5)
Input Supply using DC
UNO
ARDUINO
DIGITAL (PWM ~)
POWER
ANALOG IN
Type here to search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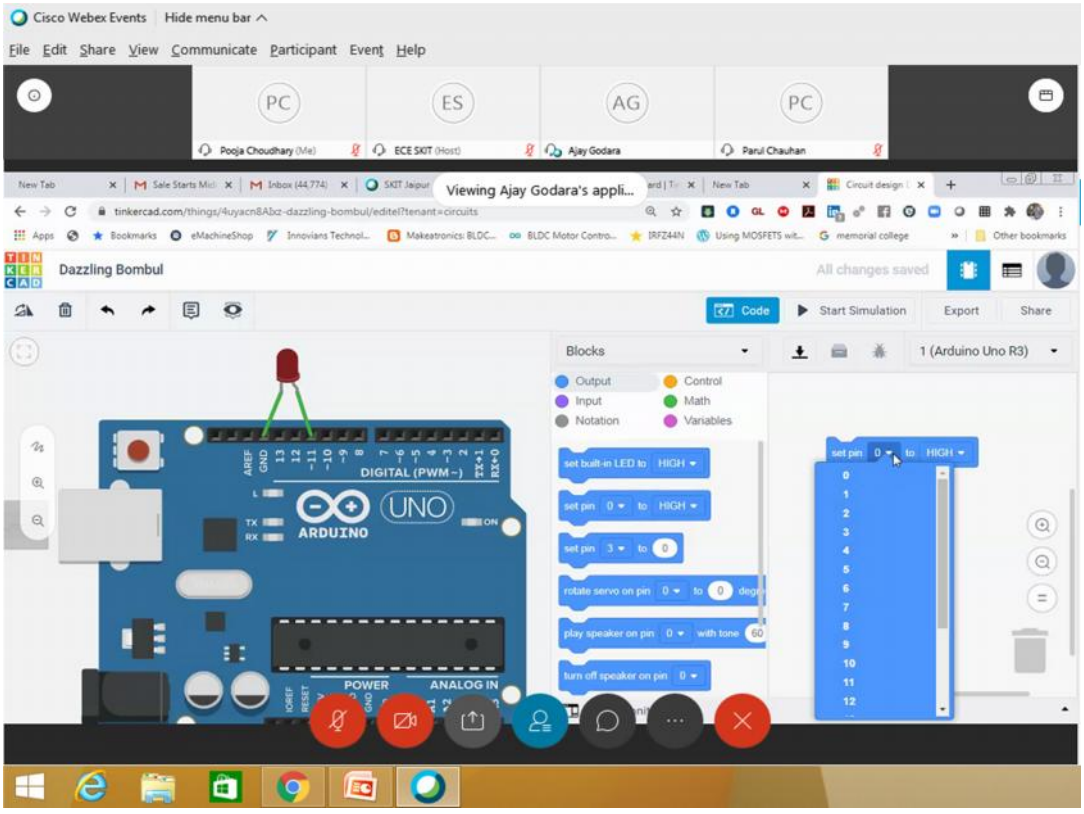
Pooja Choudhary (Me)
ECE SKIT (Host)
TAPAN JAIN
gloria joseph
Satish Bhatnagar
Viewing TAPAN JAIN's screen
Introduction to NodeMCU
Type here to search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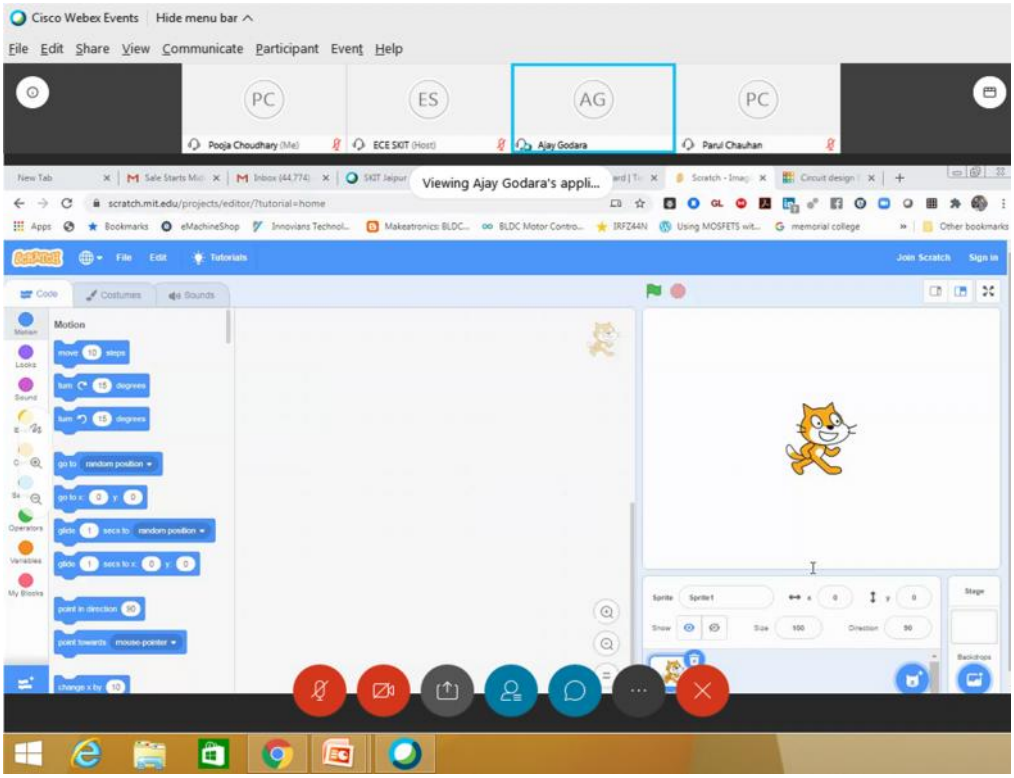
Pooja Choudhary (Me)
ECE SKIT (Host)
Ajay Godara
Parul Chauhan
Viewing Ajay Godara's appli...
Dazzling Bombul
Code
Start Simulation
Export
Share
Blocks
1 (Arduino Uno R3)
Output
Control
Input
Math
Notation
Variables
DIGITAL (PWM~)
UNO
ARDUINO
POWER
ANALOG IN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Parul Chauhan
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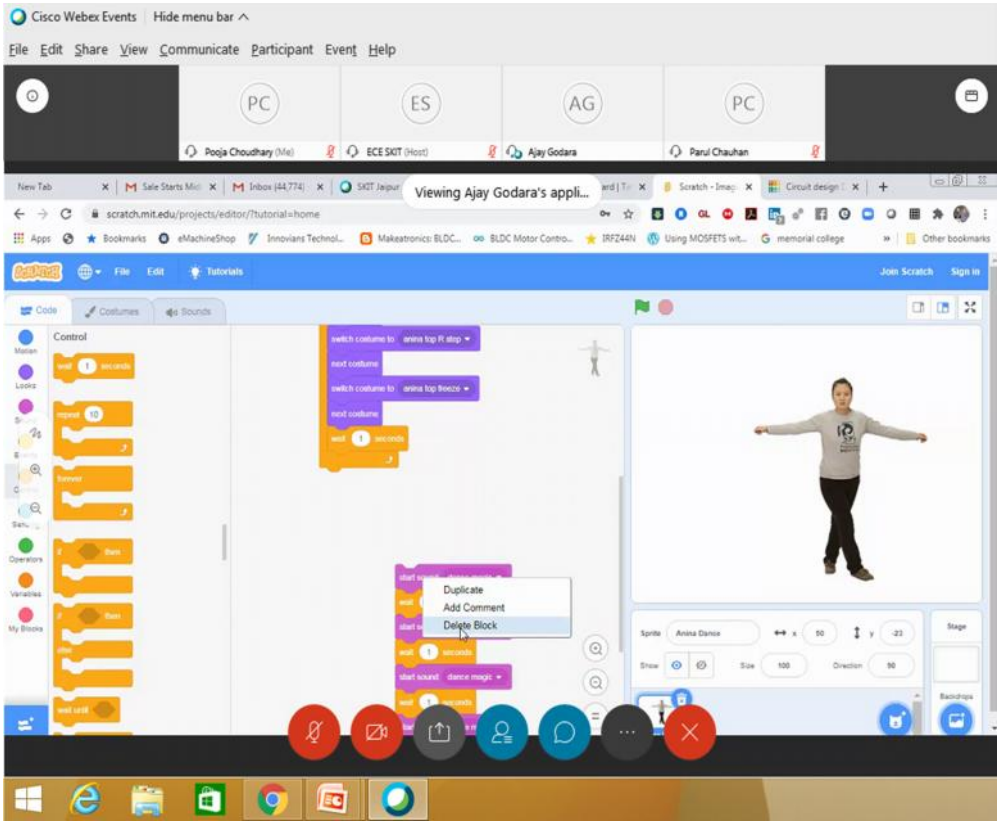
Motion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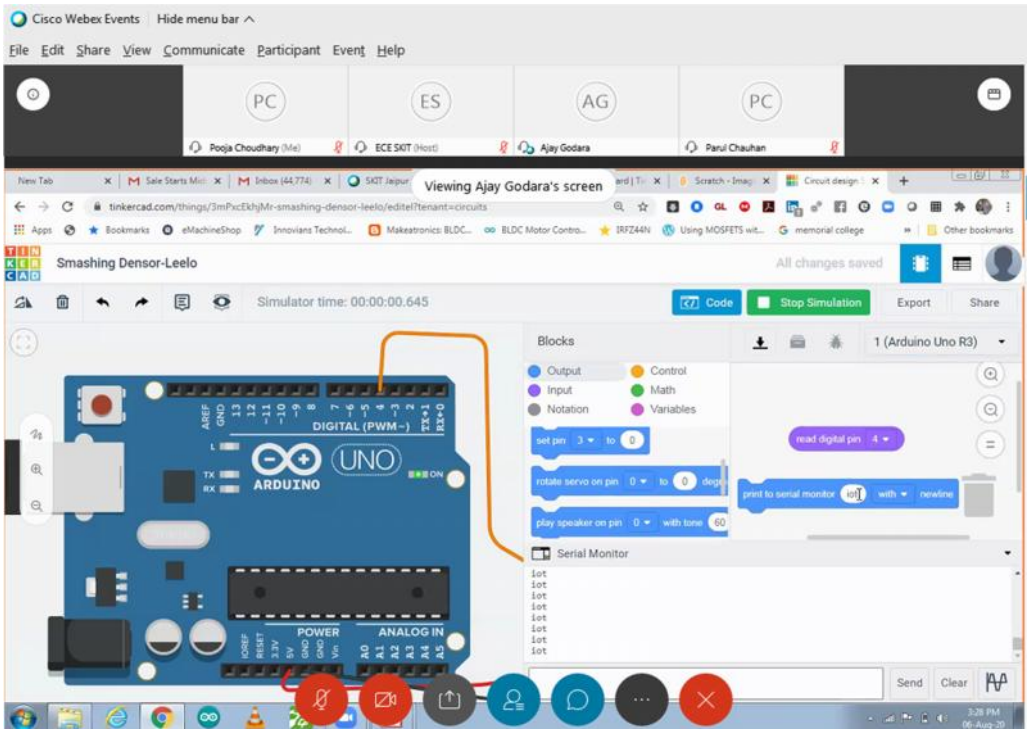
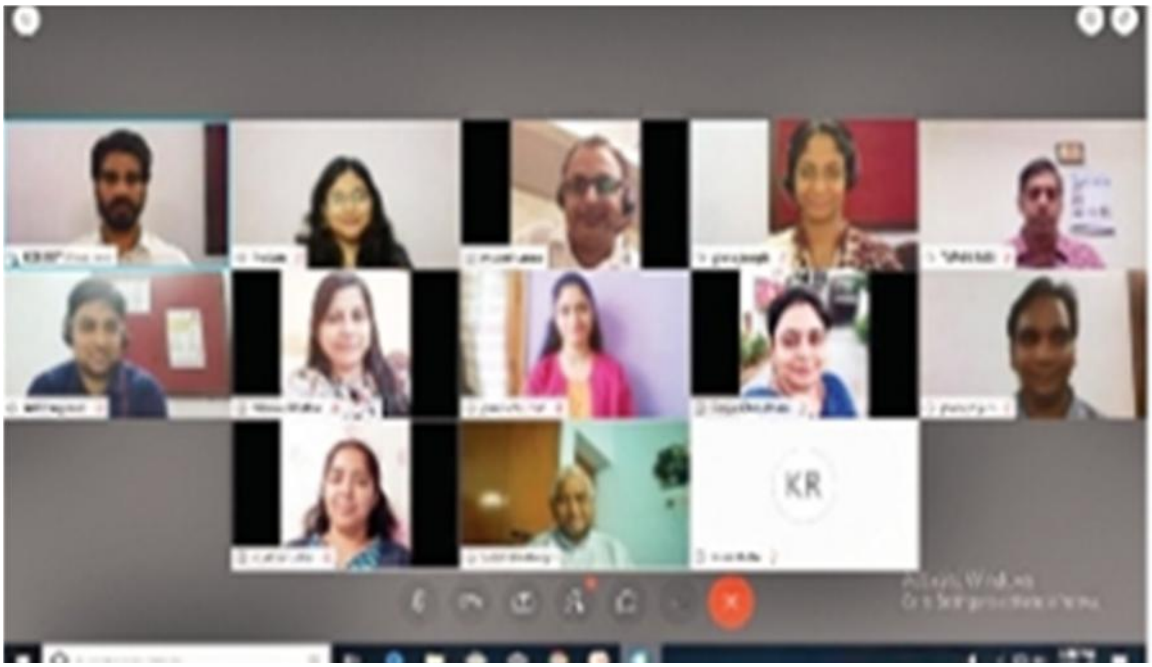
Control
Duplicate
Add Comment
Delete Block





Valedictory

REPORT OF THE EVENT

Faculty Development Program on **Embedded Systems and IoT** was jointly organized by Rajasthan Technical University, Kota & Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur from 4th Aug 2020 to 8th Aug, 2020. This FDP was fully sponsored by RTU (ATU) under Technical Education Quality Improvement Program Phase III (TEQIP-III) and conducted on Webex online platform.

Dr. Virendra Singh, Coordinator of CADS Lab and Professor, Department of Electrical and Electronics, IIT Bombay was the chief guest of the inaugural session of the FDP. The FDP began with the welcome address by Prof. Ramesh Kumar Pachar (Principal SKIT). In the Inauguration ceremony Prof. Dhirendra Mathur coordinator, TEQIP-III, RTU Kota, Prof S.K. Bhatnagar (Director (Research), SKIT), and Prof. Mukesh Arora (Head, ECE Deptt.) were also present. Dr. Virendra Singh addresses participants about importance of enhancing knowledge of Embedded Systems and IoT and its relation to the engineering stream. 410 faculty members from different institutes of the country have participated in this FDP.

In the first session of the first day Prof. Virendra Singh delivered an expert talk on Overview of Embedded system in Practical world. He highlighted the importance of Embedded Systems its basic concept and relation to the engineering field and IoT. In the second session

Dr. Lava Bhargava, Professor, MNIT Jaipur, enlightened the participants with the basics of the embedded system. The day one is ended with the final session of Mr. Mohit Sinha, BML, Manipal University. He shared his knowledge in the field of embedded system: An integrated approach.

Commencement of second day was enthusiastic and informative due to an expert lecture of Mr. Mohit Sinha, BML, Manipal University. He shed light on the SOCs and its evolution. Dr. Vivek Srivastava, Professor NIT, Delhi and Dr. Rajesh Kumar, Professor MNIT Jaipur also shared their knowledge on Reliability applications and Basics of IoT, Hardware software respectively on the subsequent sessions of Day2.

Day 3 started again with the knowledge enriching session of Dr. Rajesh Kumar. He enlightens with the basics of Sensors and Actuators. The session is followed by an expert talk by Dr. Tapan Jain, Professor IIIT Nagpur who shed light on IoT which is going to be Analog and Digital Sensor world. Day 3 was ended with a hands-on-practice session on introduction to Arduino board and, its Programming. Mr. Ajay Godara, Director, Enovate skills shared his valuable knowledge in this hands-on Practice session on Arduino board.

Day 4 began with interactive session of Dr. Amit Joshi MNIT, Jaipur. He highlighted the importance of IoT and its application in Medical

field which is followed by two interesting hands on practice session on Python Programming and Interfacing of sensors and actuators with Arduino. These sessions was convened by Mr. Saurabh Bhardwaj, Co- Founder TechiNest and Mr. Ajay Godara, Director, Enovate skills respectively.

Day 5 was opened with the much awaiting session of Introduction to Raspberry Pi which was continued by Mr. Saurabh Bhardwaj. This lecture is followed by hands-on practice session on Programming Raspberry Pi with Python. Mr. Ajay Godara, Director, Enovate skills enlightens the gathering during this practice session. Dr. Tapan Jain IIIT Nagpur shared his knowledge on NodeMCU Blynk App on the last session of the FDP. It was quite informative session.

The discussed areas are of great benefit for the participants as they are enlightened with the most widely used advance strategies in IOT and embedded systems. Feedback of the FDP was collated from the participants.

For the valedictory session of RTU TEQIP-III sponsored one-week faculty development program on “Embedded systems and IOT (ESI) 2020” guests of the program were Ms. Iha Jain, Senior Analyst, Scientist C, National Informatics Centre, Ministry of Woman and Child Development and Dr. Tapan Jain, IIIT Nagpur.

Dr. Mukesh Arora, Head, department of ECE, delivered vote of thanks.

Ms. Iha Jain talked about the use of IoT in medical field and agriculture field. By developing this skill people can become self-dependent. By doing data analysis people can easily take decisions at exact time. With the help of IoT various data can be analyzed and stored like temperature, air speed, humidity, soil quality and their effect and farming techniques can be improved. With this damage can be controlled.

The final report of this FDP was read by Dr. Praveen kr Jain Professor, Department of ECE, SKIT M&G, Jaipur.

MEDIA COVERAGE

फैकल्टी डवलपमेंट प्रोग्राम का समापन

आईओटी और एंबेडेड सिस्टम के विभिन्न आयामों पर हुई चर्चा

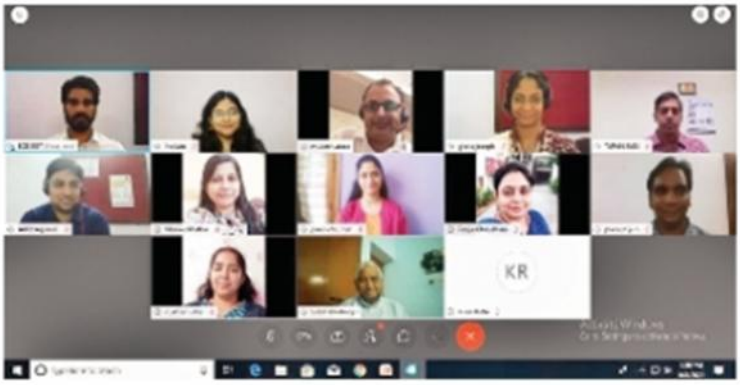
डेली न्यूज, mix रिपोर्टर, जयपुर। जगतपुरा स्थित स्वामी केशवानंद इंस्टीट्यूट आफ टेक्नोलॉजी में पांच दिनों से जारी एंबेडेड सिस्टम एंड आईओटी पर विषय पर फैकल्टी डवलपमेंट प्रोग्राम का समापन शनिवार को हुआ। इस एफडीपी में आईआईटी एनआईटी तथा आईआईआईटी के प्रख्यात प्रोफेसर्स ने आईओटी और एंबेडेड सिस्टम पर चर्चा करते हुए बताया कि आईओटी के उपयोग से भविष्य के लिए सही फैसले लेने में पहले से ज्यादा आसानी होगी और लोगों के जीवन स्तर में सुधार किया जा सकता है। एफडीपी में प्रेक्टिकल सेशन भी आयोजित हुए, जिसमें इंडस्ट्री एक्सपर्ट्स अजय गोदारा और सौरभ भारद्वाज ने आर्डिनो प्रोग्रामिंग तथा पाइथॉन प्रोग्रामिंग पे हैंड्स ऑन सेशन भी लिए। एफडीपी के समापन समारोह में साइंटिस्ट इहा जैन तथा डॉक्टर तपन जैन सम्मिलित हुए। इलेक्ट्रॉनिक्स के विभागाध्यक्ष डॉ. मुकेश अरोड़ा ने बताया कि इस एफडीपी में देश के विभिन्न इंजीनियरिंग कॉलेज के 410 फैकल्टी ने भाग लिया।

चिकित्सा-कृषि क्षेत्र में उपयोग

एक्सपर्ट्स ने बताया कि आईओटी का उपयोग चिकित्सा के क्षेत्र में भी किया जा सकता है अतः इसके उपयोग से स्किल डवलपमेंट में आत्मनिर्भरता हासिल की जा सकती है। उन्होंने कहा कि डेटा विश्लेषण के कारण लोग सटीक और समय पर निर्णय लेने में सक्षम हो पाएंगे, इससे कृषि क्षेत्र में भी इस तकनीक से सुधार संभव है। इसके उपयोग से विभिन्न प्रकार के कृषि संबंधित डेटा को इकट्ठा किया जा सकता है। जैसे कि तापमान, बरसात, आद्रता, हवा की गति, मिट्टी की गुणवत्ता, कीटनाशकों का प्रभाव आदि। इस डेटा का विश्लेष्ण करके फार्मिंग की गुणवत्ता को बढ़ाया जा सकता है और भावी निर्णय लेकर नुकसान से बचा जा सकता है।

Daily News

आईओटी एवं एंबेडेड सिस्टम के विभिन्न आयामों पर हुई



जयपुर। जगतपुरा स्थित स्वामी केशवानंद इंस्टीट्यूट आफ टेक्नोलॉजी में पांच दिनों से जारी एंबेडेड सिस्टम एंड आईओटी पर विषय पर फैकेल्टी डेवलपमेंट प्रोग्राम का समापन शनिवार को हुआ।

इस एफडीपी में आईआईटी एनआईटी तथा आईआईआईटी के प्रख्यात प्रोफेसर्स ने आईओटी एवं एंबेडेड सिस्टम के विभिन्न आयामों पे विस्तृत चर्चा करते हुए बताया कि आईओटी के उपयोग से भविष्य के लिए सही फैसले लेने में पहले से ज्यादा आसानी होगी और लोगो के जीवन स्तर में सुधार किया जा सकता है.। एफडीपी में प्रैक्टिकल सेशन भी आयोजित हुए जिसमें इंडस्ट्री एक्सपर्ट्स अजय गोदारा (डायरेक्टर इनोवेट स्किल्स) तथा सौरभ भारद्वाज (को -फाउंडर टेकीनेक्स्ट) ने आर्डिनो प्रोग्रामिंग तथा पाइथॉन प्रोग्रामिंग पे हैंड्स ऑन सेशन भी लिए। एफडीपी के समापन समारोह में साइंटिस्ट इहा जैन तथा डॉक्टर तपन जैन (आईआईआईटी नागपुर) सम्मिलित हुए। इलेक्ट्रॉनिक्स के विभागाध्यक्ष डॉ मुकेश अरोड़ा ने बताया कि इस एफडीपी में देश के विभिन्न इंजीनियरिंग कॉलेज के 410 फैकल्टी ने भाग लिया।

चिकित्सा एवं कृषि क्षेत्र मे उपयोग

एक्सपर्ट्स ने बताया कि आईओटी का उपयोग चिकित्सा के क्षेत्र में भी किया जा सकता है अतः इसके उपयोग से स्किल डेवलपमेंट में आत्मनिर्भरता हासिल की जा सकती है। उन्होंने कहा कि डेटा विश्लेषण के कारण लोग सटीक और समय पर निर्णय लेने में सक्षम हो पाएंगे, इससे कृषि क्षेत्र में भी इस तकनीक से सुधार संभव है। इसके उपयोग से विभिन्न प्रकार के कृषि संबंधित डेटा को इकट्ठा किया जा सकता है. जैसे कि तापमान, बरसात, आद्रता, हवा की गति, मिट्टी की गुणवत्ता, किटनाशकों का प्रभाव आदि. इस डेटा का विश्लेष्ण करके फार्मिंग की गुणवत्ता को बढ़ाया जा सकता है और भावी निर्णय लेकर नुकसान से बचा जा सकता है।

Rajasthan Patrika

Dear All,
Greetings !!!
Department of Electronics and Communication Engineering, Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT), Jaipur is associate with Rajasthan Technical University is going to organize an RTU(ATU) TEQIP-III Sponsored one-week Faculty Development Program on "Embedded Systems and IoT (ESI-2020)" from 04/08/2020 to 08/08/2020

E-certificate: All registered participants will be eligible to get e-certificate whose attendance is above 80% session and submitting feedback form.

Registration Link: https://forms.gle/34rUk8rvRjmS1tyLA
Registration Fee: No registration fee required

This Topics will focus on:
- Introduction of Embedded System.
- Embedded Systems- An integrated approach.
- Basics of IoT, Hardware software, Networking with IoT.
- Introduction to Arduino & Raspberry Pi.
- Introduction to Sensors and Actuators & Interfacing.
- IoT Cloud Computing.
- Application of IoT for Solar tree, Smart home.
- Applications of IoT in Medical.

WhatsApp group link: https://chat.whatsapp.com/E7ZLMuC6jXVCtLCUmu7LJP
Google Classroom Code: rjlupot
Email id for correspondence: fdpece@skit.ac.in

Note: It is advised to download WebEx and join either WhatsApp group or Google Classroom in the Context of this FDP.
Coordinator:
Mr. Ankit Agarwal
Assistant Professor, SKIT Jaipur
7877556914
Ms. Pooja Choudhary
Assistant Professor, SKIT Jaipur
Dr. Praveen K Jain
Professor, SKIT Jaipur

2:16 AM

WhatsApp

RTU (ATU) TEQIP-III Sponsored Online Faculty Development Program — Yahoo/Inbox

SKIT Jaipur <fdpece@skit.ac.in>
To: fdpece@skit.ac.in
Bcc: poojachoudharyengg@yahoo.com

Wed, Jul 29 at 8:12 PM

Dear Sir/ Madam

We are glad to inform that **Department of Electronics and Communication Engineering, Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur** is organizing an **RTU (ATU) TEQIP-III** Sponsored Online One Week Faculty Development Programme (FDP) on ***"Embedded Systems and IoT (ESI-2020)"*** **from 04th August – 08th August 2020.**

The brochure is attached with the mail.

We look forward to your presence and participation.

We request you to give a wide circulation of this e-mail to your contacts

Thanking You

FDP2.pdf
936.3kB

Mail

ASSESSMENT

1. What is the Full form of IOT?
   a) Internet of Thing
   b) **Interoperability Testing**
   c) Internet of Everything
   d) Industry of Thing

2. The correct sequence of IoT Architecture Layered is
   a) Sensor connectivity and Network, Gateway and Network, Management Service, Application layer
   b) Gateway and Network, Sensor connectivity and Network, Management Service, Application layer
   c) Sensor connectivity and Network, Management Service, Application layer, Gateway and Network
   d) Sensor connectivity and Network, Application layer, Management Service, Gateway and Network

3. What is the role of application layer in IoT Architecture
   a) Responsible for effective utilization of the data collected
   b) Responsible for Securing Analysis of IoT devices
   c) Responsible for routing the data coming from the Sensor
   d) Responsible for collecting raw data

4. Industry 4.0 included
   a) Cyber-physical systems (CPS)
   b) Industrial internet of things (IIOT)
   c) Cognitive computing and artificial intelligence.
   d) All of the above

5. Which is not the feature of ATMega16
   a) Up to 16 MIPS Throughput at 16 MHz
   b) 16K Bytes of In-System Self-Programmable Flash
   c) 32 x 8 General Purpose Working Registers
   d) 128 Bytes EEPROM

6. Embedded system is classified as
   a) Stand-alone Embedded Systems
   b) Real-time Embedded Systems
   c) Networked Information Appliances
   d) All of the above
7. Write the Full form of MQTT-
   (Message queuing telemetry transport)

8. What does IDE stand for?
   a) Integrated Development Environment
   b) In Deep Environment
   c) IDE
   d) Internal Deep Escape

9. Which microcontroller is used in Arduino UNO?

a) ATmega328p
b) ATmega2560
c) ATmega32114
d) AT91SAM3x8E

10. What does p refer to in ATmega328p?
    a) Production
    b) Pico-Power
    c) Power-Pico
    d) Programmable on chip

11. A program written with the IDE for Arduino is called _____
    a) IDE source
    b) Sketch
    c) Cryptography
    d) Source code

12. How many analog pins are used in Arduino Mega board?
    a) 16
    b) 14
    c) 12
    d) 8

13. **The sensors are classified on the basis of**
    (A) Functions
    (B) Performance
    (C) Output
    (D) All of the above

14. Is Python case sensitive when dealing with identifiers?
    a) yes
    b) no
    c) machine dependent
    d) none of the mentioned

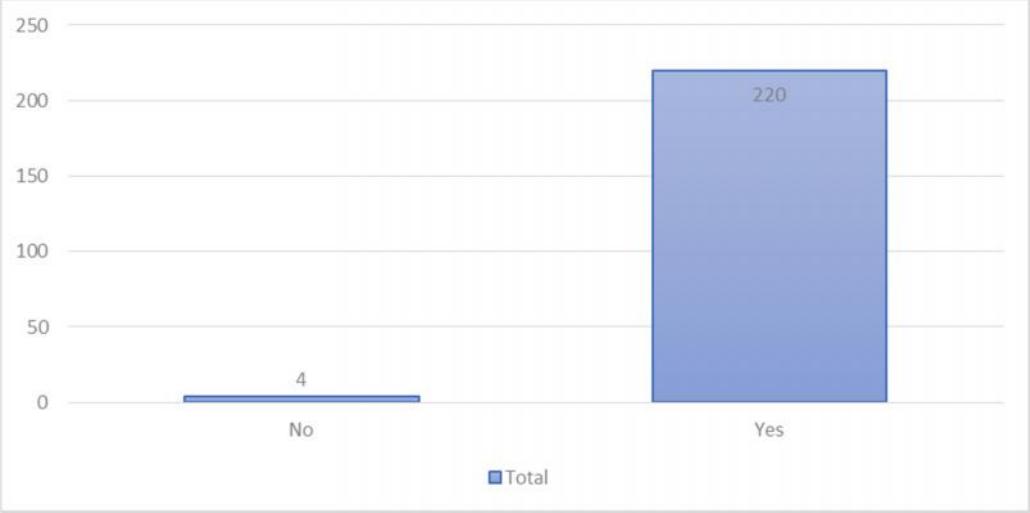
15. Which of the following is invalid?
    a) _a = 1
    b) __a = 1
    c) __str__ = 1
    d) All are valid

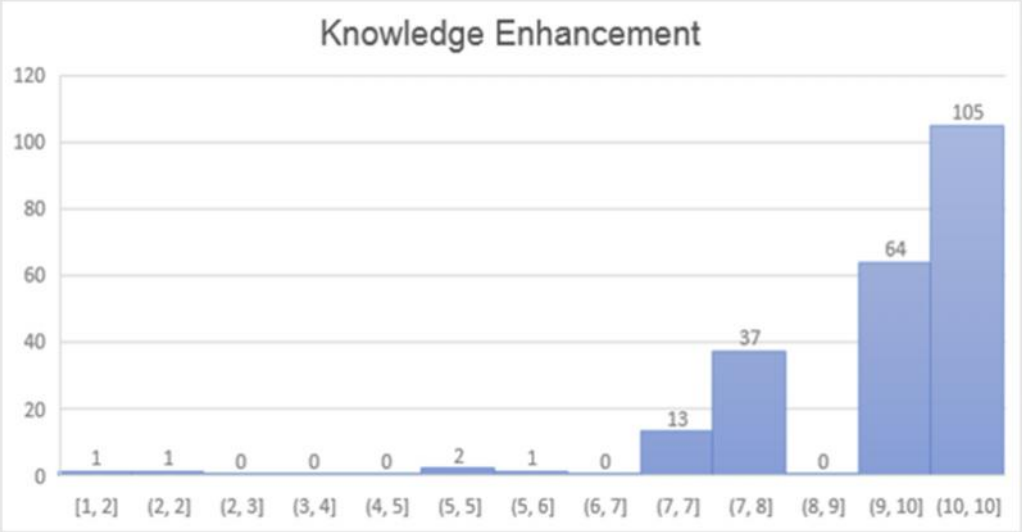
16. Which of the following is an invalid statement?
    a) abc = 1,000,000
    b) a b c = 1000 2000 3000
    c) a,b,c = 1000, 2000, 3000
    d) a_b_c = 1,000,000

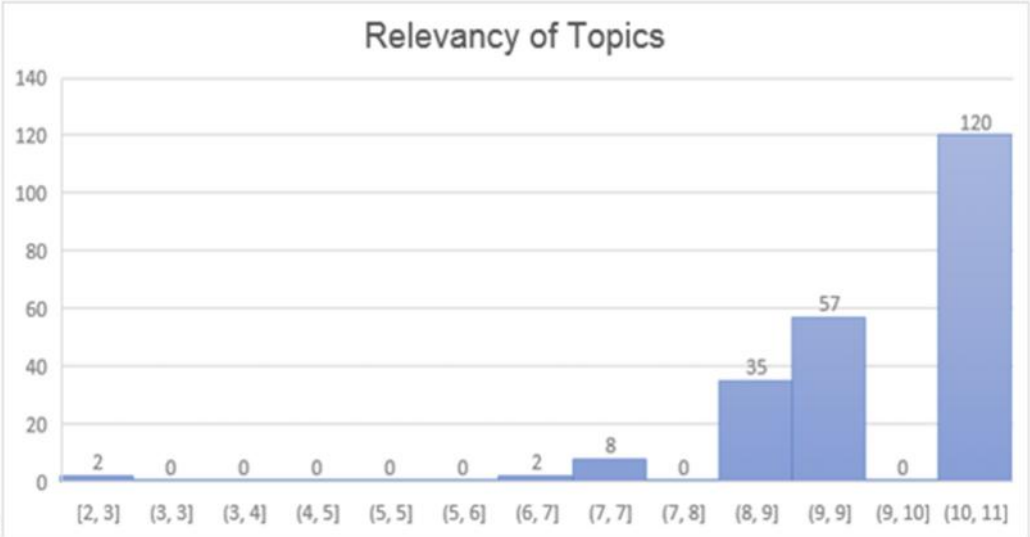
17. Which one of these is floor division in Python?
    a) /
    b) //
    c) %
    d) None of the mentioned

FEEDBACK ANALYSIS

Attend FDP at SKIT







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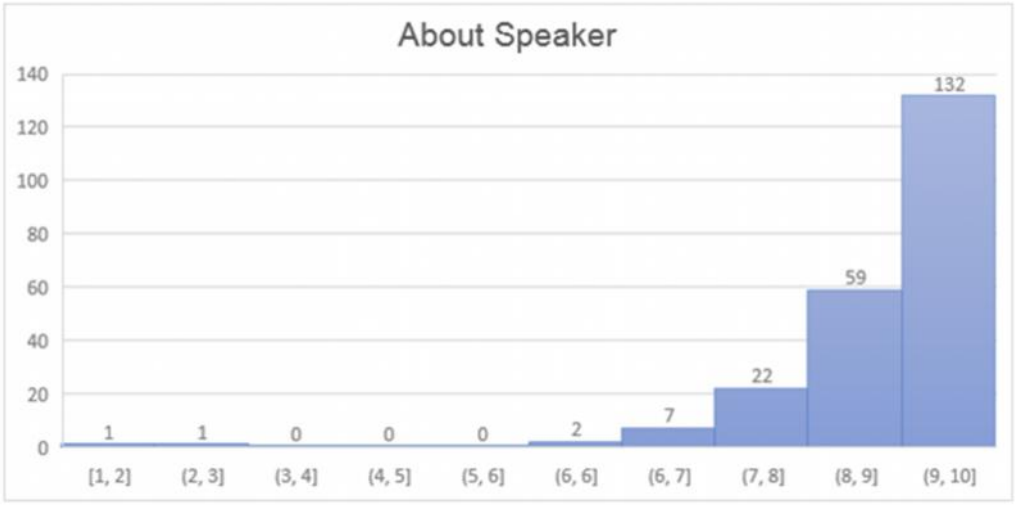
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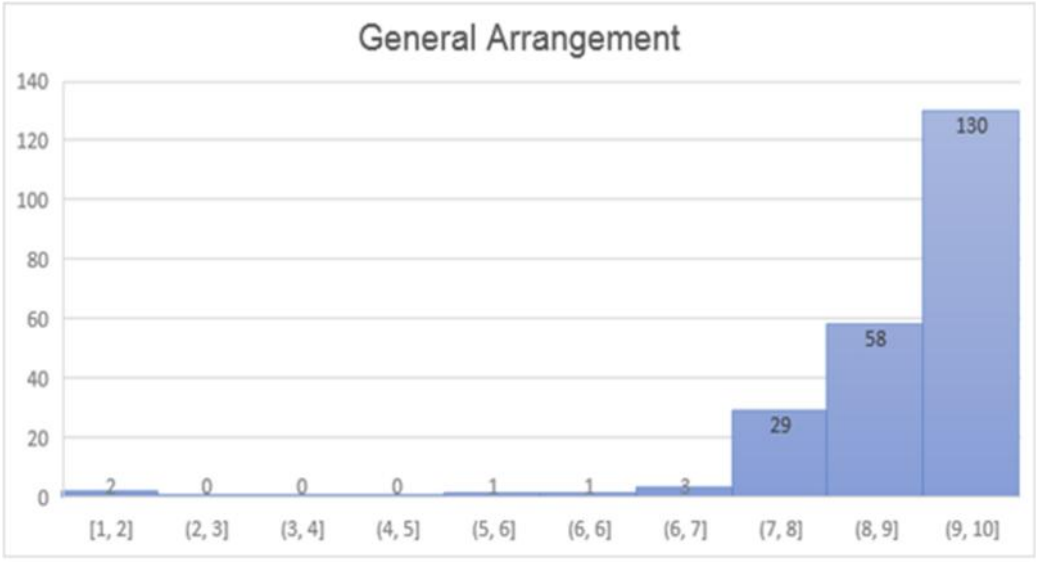
General Arrangement
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