POORNIMA
COLLEGE OF ENGINEERING

Promoted by Shanti Education Society, Affiliated to Rajasthan Technical University & Approved by AICTE

Poornima College of Engineering, Jaipur

Activities Organized under the MoU with VIBHA BHARTI

S .N.	Department	Date	Type	Name of Activity	Page No.
1	Electronics & Communication Engineering	20/11/2022	Expert Talk	IoT based Smart Aquaponic System	2-8

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A REPORT ON EXPERT LECTURE

TITLE AND DURATION: "IoT based Smart Aquaponic System" on 20 November 2022.

SPONSORS & SUPPORTERS: MoU - PCE and VIBHA BHARTI

ORGANIZER(S): Department of Electronics & Communication Engineering, Poornima College of Engineering, Jaipur.

EXPECTED OUTCOMES:

CO1: Students will be able to develop an understanding of the principles and technology of an IoT-based aquaponics system.

CO2: Students will be able to design, build and operate an IoT-based aquaponics system.

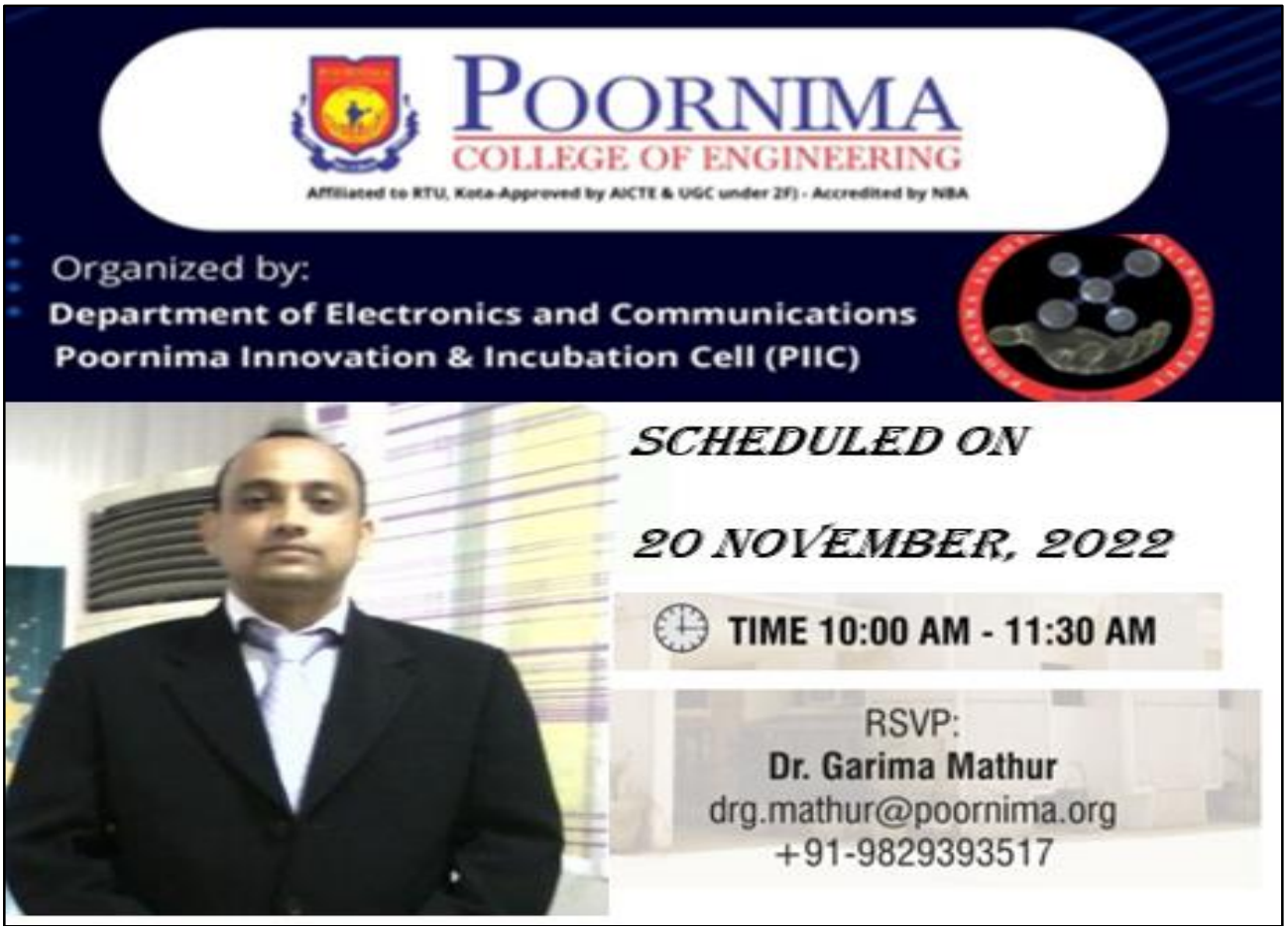
CO3: Students will be able to identify and troubleshoot common problems with an IoT-based aquaponics system..

MAPPINGS WITH PO & PSO:

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	-	-	-	-	-	-	-	3	-	-	3	2	-	-
CO2	-	2	-	-	-	-	-	-	3	-	-	-	-	2	-
CO3	-	-	-	-	-	-	-	-	-	-	-	3	-	2	2

ASSESSMENT TOOLS: Nil

EVENT POSTER



Mr. Rajesh Kumar Nayak Bharat Sanchar Nigam Limited SDE (RTTC), Jaipur

DESCRIPTION OF EVENT:

The Internet of Things (IOT) is the next wave, world is going to witness. Today we live in an era of connected devices (mobile phones, computers etc.), the future is of connected things (Eg: home appliances, vehicles, lamp-posts, personal accessories, your pets, industrial equipment and everything which you use in day-to-day life). Internet of Things is a term given to the attempt of connecting objects to the internet and also to each other - allowing people and objects themselves to analyze data from various sources in real-time and take necessary actions in an intelligent fashion. The talk highlighted various aspects of the Internet of Things. The speakers covered a wide range of topics including how to design clothing and architecture for IoT, exploring IoT's potential applications while addressing security threats, and providing insight into the exponential advancement of technology and what we can expect from the future of the internet.

- Providing an opportunity for participants to enrich their knowledge and skill in developing various solutions for solving engineering problems in the society.
- This Talk serves as a platform for students to interact on cutting edge technologies in IoT.
- To Identify research opportunities in IoT technology, applications and services.

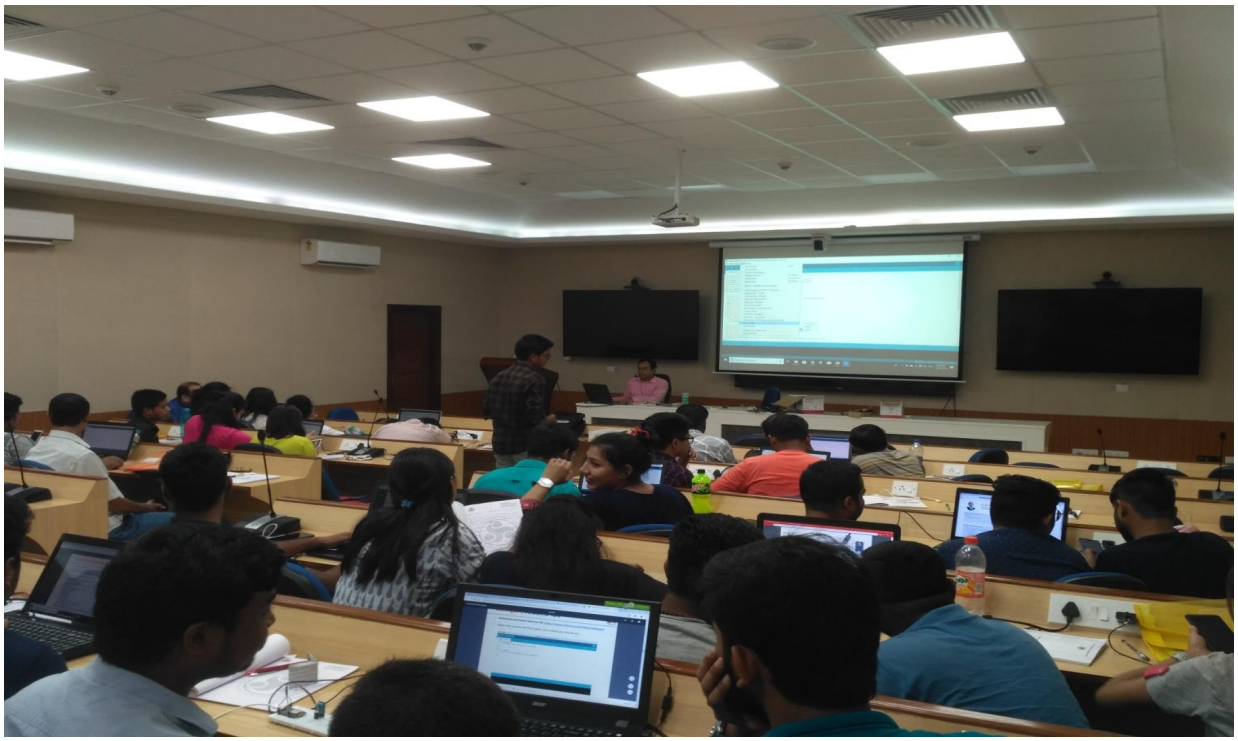
- To Form a research and development community with cross disciplinary collaboration, including business, communication, Nano electronics, micro systems, information systems, and software, with a focus on challenges in IoT issues.

ABOUT THE SPEAKER

Mr. Rajesh Kumar Nayak Bharat Sanchar Nigam Limited SDE (RTTC), Jaipur

Bibliography- Mr. Rajesh Kumar Nayak received his B.Tech &M.Tech degree from M.B.M Jodhpur. He is the Resource Person of Regional Telecom Training Centre Jaipur, one of the premier training institutes of BSNL. He imparts training in modern Telecommunication Engineering, Information Technology and Management to BSNL executives, Non-Executives and Engineering students. His centre is equipped with state-of-the-art telecom technology laboratories, which include mobile communication systems of GSM 3G & CDMA, switching systems, transmission systems, fiber optics, SDH, STM rings and data communication systems with Internet nodes, Wi-Fi equipment, IP MPLS VPN and Cisco routers.

SCREENSHOTS OF SESSION



PARTICIPANTS DETAILS

Roll	Registration No.	Name of Students
1	PCE18EC001	ABHIMANYU
2	PCE18EC002	ABHINAV ANAND
3	PCE18EC003	ABHISHEK KUMAR
4	PCE18EC004	ABHISHEK SINGH HADA
5	PCE18EC017	ANURAG ATINDRA
6	PCE18EC018	ARPIT SHARMA
7	PCE18EC019	ARVIND SINGH
8	PCE18EC020	AWAIS GHANI
9	PCE18EC021	AYUSH AGARWAL
10	PCE18EC022	BHAVANA ADDANIA
11	PCE18EC024	DEEPAK KUMAR SINGH
12	PCE18EC025	DHRUV TRIVEDI
13	PCE18EC032	ISHITA SHIVRAN
14	PCE18EC033	ITEE SONI
15	PCE18EC034	JAYESH BHARGAVA
16	PCE18EC046	NISTHA CHANDALIYA
17	PCE18EC056	RAJENDRA KUMAWAT
18	PCE18EC057	RESHU KUMARI
19	PCE18EC058	RISHABH KAUSHIK
20	PCE18EC059	RITIK SHARMA
21	PCE18EC060	ROHIT SHARMA
22	PCE18EC061	ROSHAN KUMAR GUPTA
23	PCE18EC063	SACHIN KUMAR JAIMAN
24	PCE18EC064	SACHIN YADAV
25	PCE18EC066	SAKSHAM AGRAWAL
26	PCE18EC072	SHUBHAM SAINI
27	PCE18EC073	SIDDHANT MUNDRA
28	PCE18EC074	SRISHTI MEENA
29	PCE18EC075	SUBHAM SHARMA
30	PCE18EC076	SURAJ BAIRWA
31	PCE18EC077	TANMAY SINGH

FEEDBACK ANALYSIS

The overall feedback from the students and faculty was excellent. Participants has given positive remarks about session and wanted to have more such sessions.

FEEDBACK ANALYSIS:

The content of the workshop/Activity/Conference is rated as:

a) Excellent by 43.57% of participants

b) Good by 53.35% of participants

c) 2.52% say needs improvement

d) 0.57% have not responded

Presentation of the workshop/Activity/Conference is rated as:

a) Excellent by 50.78% of participants

b) Good by 49.22% of participants

Management/ Administration of the workshop/Activity/Conference is rated as:

a) Excellent by 52.59% of participants

b) Good by 43.7% of participants

c) 3.7% say need improvement

Overall Workshop/Activity/Conference is rated as:

a) Excellent by 85.26% of participants

b) Good by 14.74% of participants

How could this Workshop/Activity/Conference be improved?

a) By giving multiple problems using different articles.

b) By asking questions about the topic and solving that queries

Any other comments/suggestions:

a) We would like to have a more practical approach considered in the future.

b) Basic Language and fundamental concepts can be enhanced in an effective manner.

c) Nil

d) Increase the days of Workshop/Activity/Conference.