



Learn Beyond

KPR Institute of Engineering and Technology

(Autonomous, NAAC "A")

Avinashi Road, Arasur, Coimbatore.

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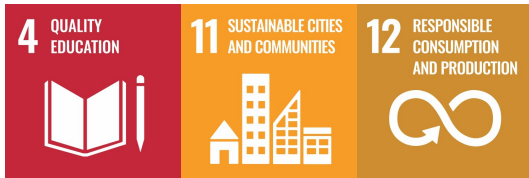
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CS062**NBA Accredited**
(CSE, ECE, EEE,
MECH, CIVIL)**SHORT TERM COURSE ON IOT BASICS**

Event No	CS062
Organizing Department	Computer Science and Engineering
Date	24/04/2023 to 28/04/2023 (5 Days)
Time	09:30 AM to 04:00 PM
Event Type	STTP
Event Level	National
Meeting Medium	
Meeting Link	https://forms.gle/mpgUjh8hofv8Uqfj7
Registration Link	https://forms.gle/mpgUjh8hofv8Uqfj7
Total Participants	30
Faculty - Internal	5
Students - Internal	25

Related SDG



Resource Persons

Sl	Type	Name	Designation	Company	Email	Phone
1	Resource Person	Dr Maitreyee Dutta	Professor	NITTTR, Chandigarh	d_maitreyee@yahoo.co.in.	xxxxxxxxxx

Involved Staffs

Sl	Name	Role
1	Yuvaraj N	Convenor
2	Kamaraj K	Coordinator
3	Karthic S	Coordinator
4	Kathiresan K	Coordinator

Outcome

Create IOT projects using Arduino

Make Arduino based Simulations with Tinkercad

Event Summary

The Department of Computer Science and Engineering , KPR Institute of Engineering and Technology, Coimbatore in association with NITTTR, Chandigarh has conducted **Five Day Short Term Course on "IoT Basics"** from 24 April 2023 to 29 April 2023.

The contents covered in STTP are

Introduction to IoT

Introduction to Arduino

Arduino based Simulations with Tinkercad

Introduction to IoT Communication Protocols and implementation

Practical approaches and implementation with sensors

Simulation of Smart city

Use cases

Introduction to IoT was handled by Dr. Maitreyee Dutta, Professor, NITTTR, Chandigarh. The session on Introduction to Arduino was also handled Dr. Maitreyee Dutta, Professor, NITTTR, Chandigarh. The session provided handon experience in creating Arduino based IOT projects. The next session was conducted on the topic titled Arduino based Simulations with Tinkercad and was handled by Dr. Sandeep Singh Gill, Professor, NITTTR, Chandigarh. The next session was handled by Dr. Jagriti Saini, Founder & Owner, Eternal RESTEM, Sunder

Nagar, HP on the topic Introduction to IoT Communication Protocols and implementation. The next session was on the topic Practical approaches and implementation with sensors and was handled by Mr. Kamal Katyal, NITTTR, Chandigarh. The session provided insights about various types of sensors and applications and implementation challenges in imparting them into a project. The next session was on the topic Simulation of Smart city was handled by Mrs. Manisha Malik, NITTTR, Chandigarh. The session further discussed various real time use cases in the field of IOT. The participants found the sessions very useful and gave positive feedback about the STTP.

Department of Computer Science and Engineering
 in association with
NITTTR Chandigarh
 Organizes an
Five Days Short Term Course on "IoT Basics"

Course contents:

- Introduction to IoT
- Introduction to Arduino
- Arduino based Simulations
- Introduction to IoT Communication Protocols and implementation
- Practical Implementation with sensors
- Simulation of Smart city
- Use cases

Resource person:
 Dr. Maitreyee Dutta, Professor, NITTTR, Chandigarh
 Dr. Sandeep Singh Gill, Professor, NITTTR, Chandigarh
 Dr. Jagriti Saini, Founder, Eternal RESTEM, Sunder Nagar, HP
 Mr. Kamal Katyal, NITTTR, Chandigarh
 Mrs. Manisha Malik, NITTTR, Chandigarh

24th Apr to 28th Apr 2023 **Registration Link** **09.30 AM - 04.00 PM**

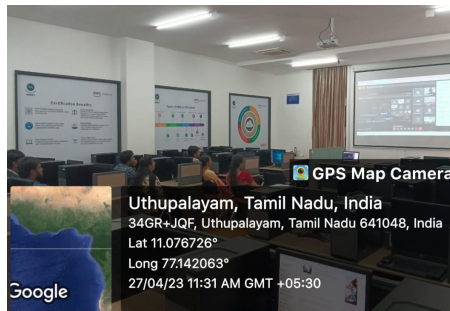
Coordinators:
 Dr. Ganesanji K. H. Hoj/CS
 Dr. Karthik S. Hoj/CS
 Mr. Ashwini K. Hoj/CS

Convener:
 Dr. Vikramaj N. Hoj/CS

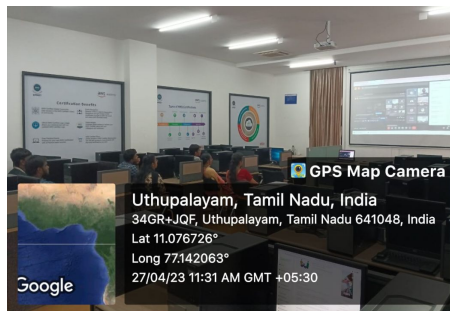
<https://forms.gle/mgq9tthohv8Ug7f>
 Selection based on first come basis
 Note: Last date to fill registration form: 15/04/2023

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