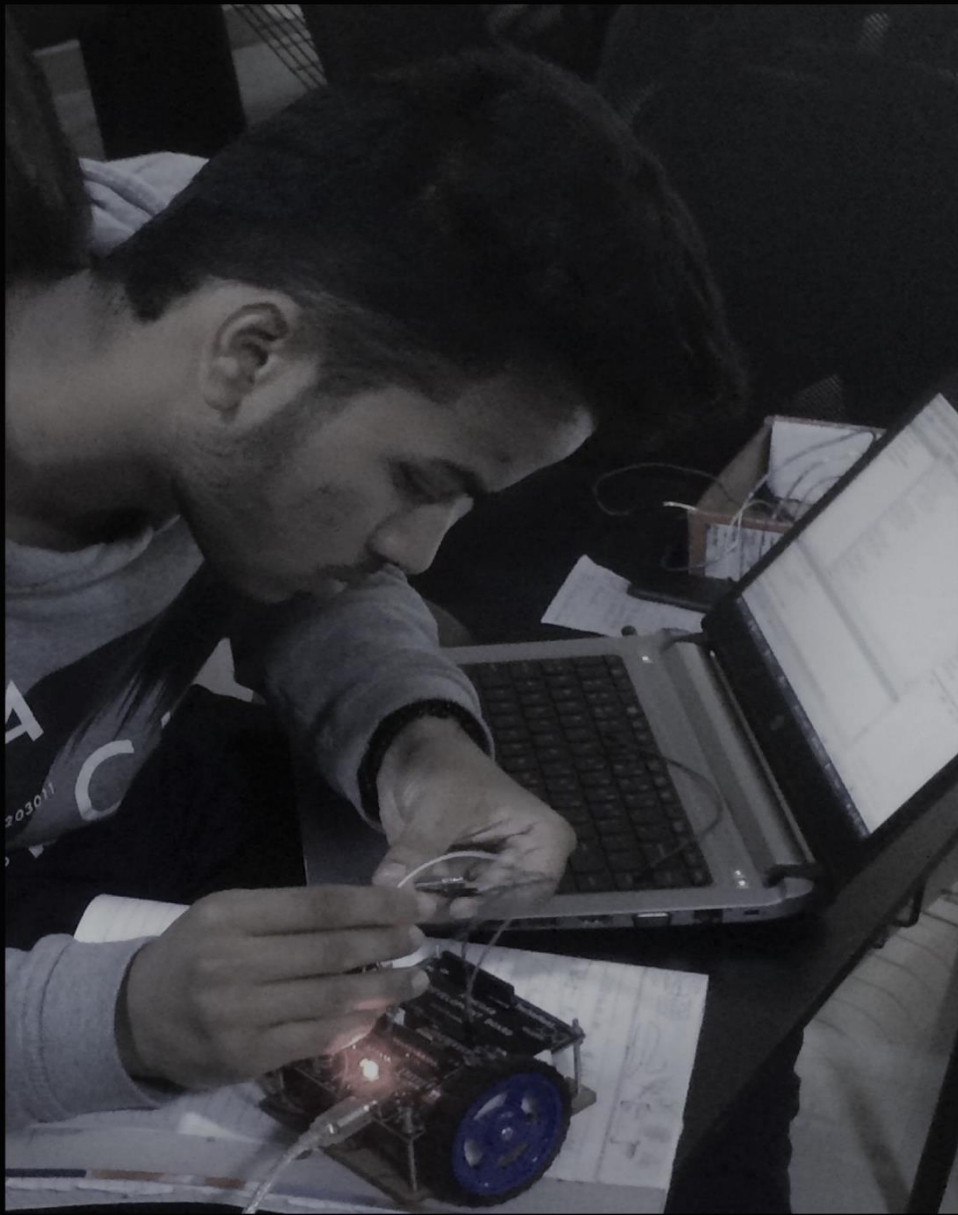




TechieNest

Transforming Engineers to Technocrats

presents
Workshop on



Internet of
Things
(IoT)

in collaboration with



2017

2018

Celebrating the alliance

with the most prestigious institutes of our country



TechieNest
Transforming Engineers to Technocrats

TechieNest takes proud on its Success everyday...

Certified by the **Standards of ISO** and **leading Institutes** of the Nation we have proven to be a symbol of faith and dignity for our students.

**Our
QUALITY
NETWORKs**



IIT Bombay



IIT Kanpur



IIT Roorkee



IIT Jodhpur



IIT Indore



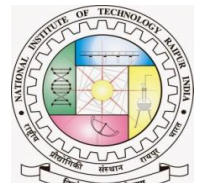
IIT Hyderabad



IIT Bhubaneswar



IIT Mandi



NIT Raipur



MNIT Jaipur



NIT Jalandhar



MANIT Bhopal



NIT Srinagar



IIIT Kalyani

OUR FORTE

INTERNET OF THINGS (IOT)

AEROMODELLING

EMBEDDED SYSTEMS

ROBOTICS

MATLAB & MACHINE VISION

VLSI & VHDL

ANDROID APP DEVELOPMENT

NETWORKING

AUTOMATION (PLC & SCADA)

ARDUINO

PCB DESIGNING

RASPBERRY PI

IMAGE PROCESSING

MSP430 (TEXAS INSTRUMENTS)

IC ENGINE

DAY 1
(Session 1)/4 Hours

Internet of Things

Introduction about company

Vision & Introduction to IoT

- Understanding of IoT Market prospective.
- Future Aspects of IoT.
- Real World IoT design Constrains, Industrial automation and commercial building
- Automation in IoT.
- Introduction to controlling devices
- Wide description about controlling devices.
- Input & Output peripherals in controlling devices.
- Resisters in controlling devices.
- Programming of controlling devices.

Practical session

Kits Distribution

- Interfacings of peripherals.
- Output devices interfacing.
- Programming for LED interfacing with controlling devices.

Practical: Different patterns of LED

DAY 1
(Session 2)/3 Hours**Internet of Things*****Serial communication***

- UART in microcontrollers.
- Accessing internal UART.
- Transferring data serially from PC to microcontroller.

Introduction and interfacing of Wi Fi technology.

Practical: - Connecting Wi Fi with smart phone or Laptop.

- Introduction to Internet
- Introduction to TCP/IP
- Introduction to IP addressing and its different classes
- IP address distribution to PAN India

Generating access point using Wi Fi technology.**Project: - IoT Automation**

Live Demonstration on Home Automation and world wide accessing.

1. Arduino UNO Board
2. D Type cable.
3. Wi Fi Module
4. Connecting wires

Workshop Toolkit


(Provided in a group
of 6 students)

- ✓ A seminar hall/Class room with seating capacity of 100 students
- ✓ One projector.
- ✓ 2 Collar mike with sound system.
- ✓ White board and marker.
- ✓ Workshop coordinators(3-5)
- ✓ Laptop charging points.
- ✓ One laptop/PC to each group.

Workshop Arrangements

By college coordinator

Take Aways



Certificate of Participation
Certificate of Coordination
Certificate of Appreciation to College
Relevant Software.
Study Material (Soft Copy) FREE.

- Acquaint yourself with practical knowledge.
- Workshop taken by Exceptionally Qualified and Professional Trainers actively involved in Research & Development.
- Learn your Area of Interest directly from Industry Experts.
- Scales up your CV/ Resume in Technical while boosting your Logical Abilities.
- Brings Confidence in you for Technical rounds of Interview.
- Lifetime assistance on any of your projects.

**Associated
Benefits
of our workshops**

TechieNest in Motion (PAN India)



PEC Chandigarh

IPEC Ghaziabad

AMU Aligarh

Modern College of Engg, Pune

MIT Pune

BMS Bangalore

Mody Laxmangarh

Manipal University, Jaipur

Amity University, Jaipur

Banasthali University

JECRC Foundation & JECRC University, Jaipur

BITS Mesra, Jaipur

AIET Jaipur

Vignan Hyderabad

SGSIT Indore

GITAM Hyderabad

KIIT Bhubaneswar

KITS Warangal

Santosh Rungta Bhilai, Raipur

Thejus Thrissur, Kerala

GEC Barton Hills, Thiruvananthapuram



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