

K. K. Wagh Institute of Engineering Education & Research, Nashik
Internet of Things (IoT) club
Report of Activities

Formation of Committee: 15th Feb. 2018

No of Meetings: 9

Dates of Meeting: 15th Feb., 9th March, 12th March, 24th March, 5th April, 16th June, 25th June, 14th July, 19th Sept. 2018

List of Student Members:

Sr. No	Department	Name of Student	Class
1	Electrical (First Shift)	Rupesh Ajaypratap Singh	TE
2		Akshaykumar Waghmare	SE
3	MCA	Bagul Swapnil Gulab	SYMCA
4		Aher Ajinkya Subhash	FYMCA
5	IT	Swapnil Patil	TE
6		Mansi Thorat	SE
7		Sagar Sonawane	TE
8	Chemical	Amol Golhar	TE
9		Chirag Patel	SE
10	Computer	Sumesh Meppadath	TE A
11		Devashish Katoriya	TE B
12		Durgesh Pachghare	SE A
13		Vaibhav Kulkarni	SE B
14		Pratiksha Pawar	TE A
15	Production	Sushant Ravindra	SE
16		Rahul Ranade	TE
17	MBA	Surbhi More	FYMBA
18		Vaibhav Panwalkar	FYMBA
19	Mechanical	Shubham Divate	TE
20		Pratik shroff	TE
21	Electronics	Meghal Jungare	SE
22		Harsh Bisen	TE
23	E&TC	Vishal Pawar	SE
24		Deepak Varade	TE

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Activity 1

Name of Activity: Project Idea Competition

Dates: 21st and 22nd October 2018

Total number of groups participated: 7 Groups (34 students from various departments)

IoT club had organized the “Project Idea Competition” on 21st and 22nd October 2018. In this competition, students presented innovative and challenging ideas related to IoT and their social relevance. Total 7 groups finally presented their idea in this competition. The competition was assessed by following faculty members-

Name of Experts:

- 1) Prof. Omkar Buwa, Electrical Department
- 2) Prof. Kushal Birla, Computer Department
- 3) Prof. Poonam Fegade, MCA Department

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Evaluation of Project Idea Competition

Group No	Participant's Name	Department	Year	Title	Assessment of Judges (out of 50)			Grade	Funding required from Institute for implementation
					Prof. Omkar Buwa	Prof. Kushal Birla	Prof. Poonam Fegade		
1	Mahima Gaikwad Atharva Sanjay Patil Pranesh Dhake Shivani Kasbe	Computer	T.E	Pre-Accident and Post-Accident Detecting and Emergency Services Alerting and Processing	40	34	36	A	15,000/-
		Computer	T.E						
		Computer	T.E						
		IT	T.E						
2	Sonawane Uddesh Sarnaik Neha Sonawane Kalpesh Katakdhond Prajwal Pawar Rohan	Computer	T.E.	Car won't start until driver put on seat belt	33	31	35	B	3000/-
		Computer	T.E.						
		IT	T.E.						
		Mechanical	T.E.						
3	Neha Darade Pooja Adke Tushar Suralkar Gaurav Neware	IT	B.E.	Emergency System	27	30	27	B	3000/-
		IT	B.E.						
		IT	B.E.						
		IT	B.E.						
4	Nainika Dighavkar Prajakta Bacchav Abhijeet Mane Abhishek Patel Hrishikesh Pandit Adarsh Mali	Computer	S.E.	MEDBAND 0.1	Group was absent for presentation				
		Electronics	S.E.						
		Computer	S.E.						
		Electronics	S.E.						
		Computer	S.E.						
		Electronics	S.E.						
5	Jayashree Ahire Adarsh Srivastava Durgesh Pachghare Swapnil Meshram Sharwari Wagh	Computer	T.E	Automated Smart drone for Defence forces, rescue missions and much more	44	39	-	A	50,000/-
		Electrical	T.E						
		Computer	T.E						
		Electronics	T.E						
		Computer	T.E						
6	Hansika Pandit Bidita Paul Sakshi Pardeshi Sonali Adke Rutuja Jadhav	E&TC	TE	Detection of Alive Human in Devastated Areas	36	32	35	A	5,000/-
		E&TC	TE						
		E&TC	TE						
		Electrical	TE						
		Electrical	TE						
7	Shubham Divate Paratik Shroff Dipak Varade Rahul Nagpure Tejal Bhagwat	Mechanical	BE	Control and analysis of CO2 and CO level in split air conditioned room	40	28	38	A	25,000/-
		Mechanical	BE						
		E&TC	BE						
		E&TC	BE						
		Mechanical	BE						

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Activity poster:



The poster features a dark blue background with a network of glowing nodes and lines. At the top left is the K.K. Wagh Education Society's logo. At the top right is a circular logo with 'IoT THINGS' in the center. The main title 'IoT Club' is in large white letters, with 'Project Idea Competition' below it in a smaller white font. The tagline 'it's time to showcase your dreams' is in a light blue italicized font. The poster is divided into sections: 'Ideas should be' with a list of three points, 'Group should be' with a list of three points, 'Selection Process' with a list of three steps, and 'Future Prospects' with a list of two points. At the bottom, there are contact details for three individuals: Ajinkya Aher, Shubham Divate, and Durgesh Pachghare under the heading 'Contacts'; Prof. Smita Chaudhari under 'Co-coordinator'; and Prof. Dr. Preeti Bhamre under 'Coordinator'. The background also has a faint 'IoT THINGS' logo in the top right corner.

K.K.Wagh Education Society's
K.K.Wagh Institute of Engineering Education And Research, Nashik

IoT Club
Project Idea Competition
it's time to showcase your dreams

Ideas should be

1. IoT Related
2. Innovative and Challenging
3. Social Relevance

Group should be

1. Interdisciplinary group of 4 to 6 members from any year, any discipline
2. Students from atleast two departments
3. One girl student is essential

Selection Process

1. Formation of Group -15th April 18
2. Project Idea Submission - 15th June 18
3. Presentation of Project Ideas - Last week of June 18

Future Prospects

1. Top 5 Project Ideas will be sponsored by Institute for implementation
2. Attractive prizes for three best project ideas

Selected projects will be promoted by K K Wagh IoT club for state as well as national level competition

Contacts :

Ajinkya Aher	Shubham Divate	Durgesh Pachghare	Prof. Smita Chaudhari	Prof. Dr. Preeti Bhamre
8805446046	7775937804	7057676280	IT department	(HOD, IT department)

Co-coordinator

Coordinator

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Photos:



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Activity 2

Name of Activity: Two days workshop on “Internet of Things: Scope and Applications”

Dates: 1st and 2nd October 2018

Total number of students participated: 75 students from various departments

Objective:

The main objective of this workshop was to explore different application areas of IoT. The workshop was conducted in association with IET Nashik Local Chapter.

Resource persons from Cognifront Software Pvt. Ltd., Nashik:

- 1) Dr. R. S. Tiwari, Technical Director
- 2) Ganesh Gaikwad
- 3) Anita Mahale
- 4) Manisha Jane

Topics covered in the workshop-

• IoT using Arduino Microcontroller Board

- ✓ Introduction to Architecture of Arduino Microcontroller Board
- ✓ Introduction to IOT Technology
- ✓ Sensors, Actuators
- ✓ Arduino IDE with inbuilt LED

- ✓ Interfacing Buzzer with Arduino Board
- ✓ Data Communication with Serial Monitor
- ✓ Data Input using Push Button, Controlling Servo motor

• IoT using Raspberry Pi Microcontroller Board

- ✓ Introduction to Architecture of Raspberry Pi Microcontroller Board
- ✓ OS installation on Raspberry Pi
- ✓ Python Program Editing using IDLE Editor

- ✓ Interfacing LED Bar with raspberry Pi
- ✓ Temperature and Humidity Measurement using DHT11
- ✓ Demonstration of Information Display On LCD

Department wise number of participants:

Department	No of Participated
IT	35
MCA	11
E&TC	13
Electronics	8
Electrical	5
Mechanical	3
Total	75

Funding from IET Nashik Local Chapter: Rs. 10,000/-

Total registration fee collected: Rs.15,000/- (75*200/- per student)

Total Expenses of the workshop: Rs. 25,000/-

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Smita N. Chaudhari
Co- Coordinator

Dr. Preeti D. Bhamre
Coordinator