

Dr. Babasaheb Ambedkar Technological University

Department of Computer Engineering

IoT Mini Project Exhibition

5th August 2022



The Department of Computer Engineering of Dr. Babasaheb Ambedkar Technological University, Lonere organized IoT Mini Project Exhibition for the third year students of Computer department.

A. Motivation

Students will develop ability to adopt new skills, and knowledge for creating projects to be prepared for the applications of IoT in Agriculture, Health, Home Automation, and Disaster Management projects with the Internet of thing.

B. Aim

The main aim of conducting IoT based mini project exhibition was to enhance new skill and knowledge of students. The main purpose of this was to find solution on local / surrounding problem in Agriculture, health, home automation and, disaster management with IoT application/Device.

C. Schedule of Event

Date	05/08/2022
Time	10 am to 5 pm
Venue	Computer Engineering Department, Dr. Babasaheb Ambedkar Technological University, Lonere.

D. Guest of Event:

- i. **Prof. Dr. A. W. Kiwelekar**, (Dean of Social Welfare)
Dr. Babasaheb Ambedkar Technological University, Lonere.
- ii. **Prof. Dr. S. M. Jadhav**, (In-Charge University Computer Center)
Dr. Babasaheb Ambedkar Technological University, Lonere.
- iii. **Prof. Dr. M. D. Laddha**,
(EC Member of Dr. Babasaheb Ambedkar Technological University)

E. Number of Participants:

There were 73 participants in this event.

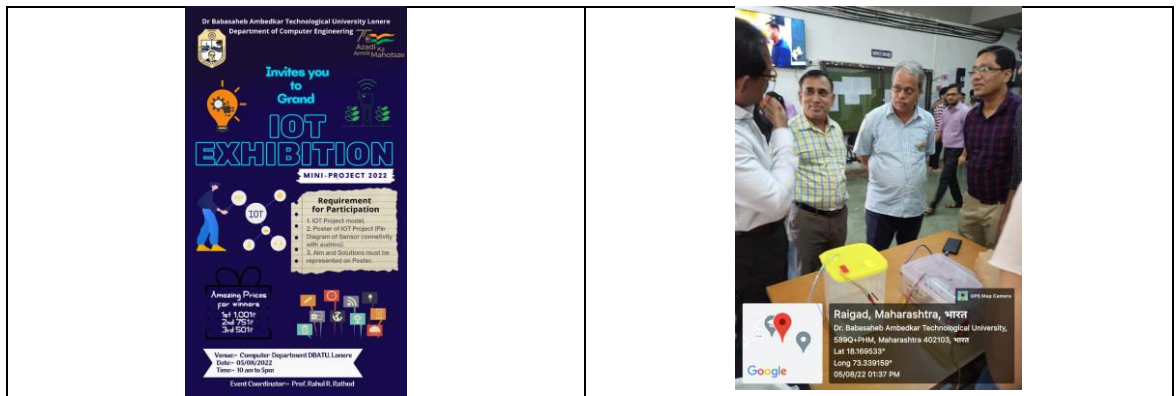
Gr. No.	PRN Number	Name of Student	Mini-Project Title	Used Equipment
1	1930331245043	Vedant Mahesh Pathak.	Irrigation Automation System (Flower Pot)	Arduino Uno, 5V Relay, Soil Moisture Sensor, 14 Jumper Wires, 5V Battery, 9V Water Pump, USB Adapter, Type D to Type A Power Cable.
	1930331245053	Ameya Sandesh Ranade.		
	1930331245058	Suyash Satish Kolhe.		

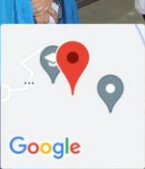
2	1930331245035	Smitesh Bhagwat Patil	Smart Hand Sanitizer Dispenser	Aduino Uno, Proximity Sensor, Motor pump, Motor relay, Jumper Cables, Type D to Type A cable.
	1930331245038	Atharwa Sanjay Khadse		
	1930331245049	Vedant Jitendra Hiwarkar		
3	2030331245006	Prasad Nitin Goregaonkar	Home Autometion System (Access with Google Home, mobile Google assistant,mobile Alexa voice assistant)	NodeMCU(8266), 4-channel 5V SPDT Relay Module, Manual Swirches, Amazon Alexa(Optional), Google mini(Optional), Jumper Wire, BreadBoard, Charger
	2030331245011	Jay Sudhir Patil		
	2030331245002	Shashank Laxman Surve		
4	1930331245023	Aishwarya Achyut Rudrawar	Room Automation using Arduino and PIR sensor	Arduino Uno, 5V Relay, Jumper wires, PIR motion sensor, power cable, Tubelights, holder, electric wires
	1930331245008	Shraddha Shivaji Shinde		
	1930331245022	Ruchita Satish Ingale		
	1930331245030	Priti Janardhan Lohakare		
	1930331245001	Dhiraj Surendra Garse		
5	1930331245025	Devyani Jaysing Shinde	Pulse heart rate Sensor Using Arduino	Arduino Uno, 16*2 LCD, Jumper wires, Heart Beat sensor, BreadBoard, Connecting wire
	1930331245005	Amey Vilas Pugaonkar		
	1930331245007	Rajashri Rajabhau Abuj		
	1930331245006	Rohit Balaji Satore		
	1930331245029	Raj Santosh Kamble		
6	2030331245004	Manasi Vilas Pawar	Smart dustbin using arduino and Ultrasonic sensor.	Arduino Uno, Jumper wires, Ultrasonic sensor, 9g Servo motor, Arduino USB cable
	2030331245005	Shruti Haresh Palkar		
	2030331245007	Alia Ibrahim bandarkar		
	2030331245008	Shruti Dinesh Palkar		
	2030331245010	Pranali Ganpat Dhepe		
7	1930331245034	Ram Dipak Agrawal	Corridor Automation through Bluetooth using Arduino. (Tube Fan Controlling using Mobile App)	Arduino Uno, jumper wires, breadboard, 2 channel relay , HC05 bluetooth module
	1930331245052	Bhargavi Anand Deshmukh		
	1930331245050	Srushti Sanjay Bhonkar		
	1930331245041	Ravina Sanjay Jadhav		
	1930331245036	Avantika Kailas Wathore		

8	1930331245057	Vedanti Vijay Bhoyar	Smart Stick for Blind Person.	Arduino Uno R3, 9v battery, Ultrasonic distance sensor, Jumper wires, Piezo buzzer, USB cable, Battery connector
	1930331245037	Tejal Rajendra Alai		
	1930331245046	Preeti Shivaji Thange		
	1930331245040	Prashik Ravindra Kamble		
	1930331245042	Suyog Ganesh Kadam		
9	1930331245024	Namira Haniph Mujawar	Alcohol Detector Using Arduino And MQ-3 Sensor	MQ-3 Alcohol Senser, Arduino UNO, Buzzer, LED Bulb, 180 ohm Resistor BreadBoard, Jumper Wires
	1930331245026	Pratik Rajendra Sonawale		
	1930331245027	Ramesh Appaso Choudhari		
	1930331245032	Nupur Naresh Sawant		
10	1930331245048	Pranav Vikas Jagtap	Smoke Detection System	Arduino UNO, MQ-2 Gas sensor, Jumper wires, Buzzer, 9V Battery, USB A-B connector
	1930331245045	Devang Kiran Satve		
	1930331245060	Tushar Patil		
	1930331245059	Yogesh Deolalkar		
11	2030331245009	Mubasshir Farooque Isane	Water tank water level monitoring system	Arduino uno, Ultra sonic, Jumperwire, Usb cable, Breadbord, Led bulb, Resistor
	2030331245009	Musad shoukat khan Sarguru		
	2030331245009	Ajinkya shyamsundar kedia		
	2030331245009	Mihir Ganesh Baghele		
	2030331245009	Jhanvi Devdas Bhute		
12	1930331245065	Devanand Saysing Vasave	Smart Gate System	Arduino UNO, Servo Motor(MG90S) Push Button, Solderless Breadboard, Resistor, Jumper Wires
	1930331245051	Tushar Munjaji More		
	1930331245054	Ronak Rajendra Patil		
13	1930331245033	Aniket Sanjaykumar Raut	Air Quality, Temperature & Humidity Monitoring	Arduino UNO, DHT 11 (temp & humidity), MQ 135 (Air quality sensor), 0.96 inch I2C OLED
	1930331245014	Aditya Jayram Gurav		
	1930331245003	Mahesh Uttam Sawant		

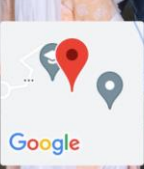
	1930331245028	Shadab Kayyum Shaikh		Display, Bread Board, Jumper Wires
	1930331245010	Kadambari Patil		
14	1930331245015	Adesh Suresh Lad	Home/Office Door Security System	Arduino UNO, UltraSonic, Sensor, Keypad, Piezo Buzzer, Jumper Wires
	1930331245002	Umair Zahoor Karel		
	1930331245016	Sunil Bhaguram Varma		
	1930331245004	Pratik Jagannath Gore		
	1930331245013	Jayesh Vasant Patil		
15	1930331245039	Amol Ankush Chavan	RFID door lock system	Arduino Uno, RFID kit , USB A to B cable, Jumper wires.
	1930331245044	Tejas Dwarkanath Yadav		
	1930331245055	Girish Shivaji Mane		
	1930331245063	Sarvesh Gajendragadkar		
	1930331245064	Dhananjay Kadam		
16	1930331245061	Baliram Sugriv Kendre	Flood Detection & alert system through GSM Model.	Raspberry Pi 3.0, Buzzer HDMI Converter, Ultrasonic Sensor GSM Modem, Raindrop Sensor Charger, WaterFlow Sensor Jumper Wires, Beagle Board.
	1930331245069	Rushikesh Ramdas Thakare		
	1930331245066	Aditya Shivkumar Navgare		
	1930331245067	Nilprasad Shanteshwar Birajdar		
17	1930331245062	Vidya Balu Kale	Wireless LCD Notice Board Using Bluetooth	Arduino UNO, Jumper Wire, LCD Display 16x2, Bluetooth, Module HC-05, BreadBoard
	2030331245001	Urusa Kifayat Dalvi		
	2030331245003	Mayuri Ramesh Sable		
	2030331245014	Priyanka Nandkumar		

F. Glimpse of competition:

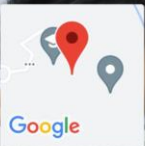
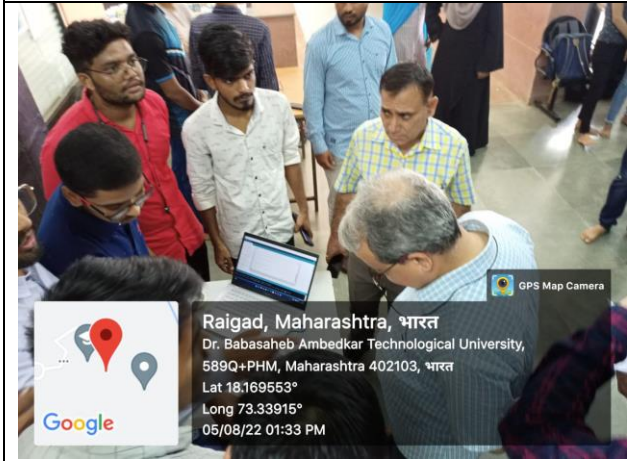




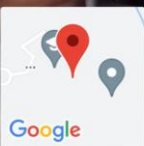
Raigad, Maharashtra, India
Dr. Babasaheb Ambedkar Technological University,
589Q+PHM, Maharashtra 402103, India
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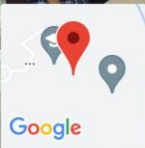
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589Q+PHM, Maharashtra 402103, भारत
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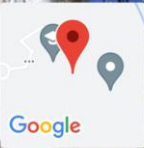
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589Q+PHM, Maharashtra 402103, भारत
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 faculty coordinator

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