

REPORT OF WORKSHOP

Name of the Centre / Forum		Vallabh Vidyanagar Local Centre	
Title of the Workshop:		Implementation of IOT with Node MCU	
Under the aegis of which Divisional Board:		IE (India) Vallabh Vidyanagar Local Centre	
Program Date:	22 nd and 23 rd July 2022	Program Time:	9:30 to 12:00 and 1:00 to 4:30
Associate organization (if any):		-	
No. of Participants logged in		32	

Report of the event

Expert No. 1

Name: Chauhan Keyursinh Udesinh

Designation: Embedded Software Engineer

Credential in Brief:

- Master of Technology (Electronic & Communication System) with First Class in May 2010-11 from Dharamshinh Desai Institute of Technology in D.D.University at Nadiad, Gujarat, India.
- Working in 2Excel Software and Apps Development, Australia (IT Company) as full-time position of Internet of Things (IOT) consultant from 22-07-2021.
- Three year experience in Electronics Field as Embedded Software Engineer, Anand.
- Three month 11 days experience in DDIT College as Teaching Assistant at Nadiad.
- 10 month experience in MBICT College as Teaching Assistant at V.V.Nagar.
- I have 5.5 year teaching experience in MBICT College as Assistant Professor at V.V.Nagar.
- I have one year industry experience in Infinium (India) Ltd as Field Engineer.
- Conducted Industrial Training in “Embedded System using IOT” at Electronics and Communication Department, Birla Vishavakarma Mahavidyalaya for two weeks, from 06/06/2022 to 18/06/2022.
- Conducted Industrial Training in “Electrical Industry Device Control using Embedded System & IoT” at Electrical Department, Birla Vishavakarma Mahavidyalaya for three weeks, from 20th June to 9th July, 2022.
- Two day expert talk on KPRIT Hyderabad College on “IoT using Arduino and NodeMCU” (5-10-2018 & 6-10-2018).
- 20th day expert lecture Series talk on “Internet of Things – IoT using Arduino Uno and NodeMCU Wi-Fi Module” in College of Agricultural Information Technology - AIT, Anand Agricultural University- AAU, Anand (10-4-2018 to 5-5-2018).
- One day expert talk on Bhagwan Mahavir College at Surat on One week AICTE-ISTE STTP on “Implementation of Internet of Thing (IoT) with Python programming using Raspberry Pi Module”.
- Invited by Electronics Engineering Department of BVM College to



<p>deliver expert lecture series on “Raspberry Pi and Application” in Design Engineering 2B subject for the 3rd year student on 12/03/2016.</p> <ul style="list-style-type: none"> Invited by Electronics Engineering Department of BVM College to deliver expert lecture series on “IoT using NodeMCU” in Design Engineering 2B subject for the 3rd year student on 13/02/2016. Invited by Electrical Department of ADIT College to deliver expert talk on “Design & Development of Embedded System” in STTP workshop on 01/04/2015. 	
<p>Excerpts of deliberation:</p> <p>Day 1: (22nd July 2022)</p> <p>The inaugural Ceremony was on 22nd July at 09:30 AM. Inauguration commenced with a Welcome Note by Prof. Dipti Mathpal. She warmly welcomed the dignitaries and participants. Lamp lighting was followed by the blessings of God by playing Saraswati Vandana by the Organizing Team. Prof. Shital Bhatt gave the introductory speech briefly describing the aim and outcomes of the workshop. The audience was conveyed by Dr. Sudhir Vegad followed by the blessings of the honorable Chairman sir.</p> <p>At the end of the session, Prof. Jalpa Kantariya proposed a vote of thanks towards sponsoring bodies, CVM University, Chief Patron, President, and Head of the Computer Department for their eminent support and guidance. She also thanked all the participants for showing their interest in the event followed by National Anthem.</p> <p>DAY – 1: Session – 1 (22nd July 2022 10:30AM - 12:10PM)</p> <p>Keyur Chauhan from Shreejicharan Electronic, GIDC, New Vallabh Vidyanagar conducted a session on 22nd July 2022, from 10:30 AM to 12:10 PM. He delivered a talk on Introduction to IoT. He briefly described what IoT is, the various components of IoT such as sensors, actuators, controllers, and many more using presentations followed by explaining the advantages and disadvantages of IoT.</p> <p>He then gave a few real-life applications, and project ideas to the aspiring students. He listed a few platforms where the data can be extracted or utilized for project development. After that, he ended up the session by explaining various boards that are used for the projects such as Arduino, Node MCU & RaspberryPi.</p> <p>DAY – 1: Session – 2 (22nd July 2022 01:15M – 04:30 PM)</p> <p>The next session started was all about practicals and hands-on experience. First, the installation of the IDE and set up of the system were made. He also described which libraries can be used for the specific Node MCU board. The various first-stage practicals performed were LED blinking, switch, buzzer, relay & LCD.</p> <p>DAY – 2: Session – 3 (23rd July 2022 09:30AM - 12:45PM)</p> <p>The third session aimed to explore the sensors and their applications. The various sensors used were DHT11, IR & Ultrasonic sensors. All these were used with the accurate desired output with the input code given. Then, a few of these sensors were combined to display the output on the LCD screen.</p> <p>DAY – 2: Session – 4 Valedictory Function & Feedback (23rd July 2022 01:30PM – 04:35PM)</p> <p>Then the last module of practicals was carried on where the wifi module and cloud were introduced. The DHT11 sensors were used to display the data it sensed on the webserver and cloud.</p>	

Afterward, the feedback from the participants and a question-answer session were organized where the participants cleared their doubts about the specifics.

The last session ended with a valedictory ceremony where the expert was felicitated with a token of gift. After completion of practical session the Valedictory function is started at 3:30pm. In this function our principal sir Dr. Himanshu Soni, Principal, MBIT had given his valuable speech about this fruitful event and conclude the event. He also distributed certificates to the participants as well.

Name of Coordinators:

Bhatt Shital Dineshchandra

Comments of participants:

- All the sessions are so useful and wonderful. All the topics were explained so well. The expert was very knowledgeable. Especially thanks to the management team of this workshop, again thanks to MBIT. Thank you.- Prof. Disha Panchal
- It's very nicely coordinated workshop. Instructions are clear and precise and coming right on time. Hands –on session is very fruitful.- Prof. Kiran Macwan
- Thank you MBIT whole team for conducting such a knowledge gathering workshop.- Prof. Mehul Patel
- Keep doing such type of excellent events. Waiting for an announcement of next event.- Prof. Bhargesh Patel

Banner & Photographs of the Event:



The banner features a light blue background with a subtle geometric pattern. At the top, three logos are displayed: MBIT (Madhuben & Bhanubhai Patel Institute of Technology) on the left, The Institution of Engineers (India) in the center, and CVM University on the right. Below the logos, the text reads: 'The Institution of Engineers (India) Vallabh Vidyanagar, Local Center Sponsored'. The main title of the event is 'Two Days Offline Workshop on "Implementation of IoT with NodeMCU"', followed by the dates '22nd July – 23rd July, 2022'. At the bottom, it states 'Organized By: Information Technology Department, Madhuben & Bhanubhai Patel Institute of Technology (A Constituent College of CVM University)'.

MBIT
MADHUBEN & BHANUBHAI PATEL
INSTITUTE OF TECHNOLOGY

THE INSTITUTION OF ENGINEERS (INDIA)
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CVM
UNIVERSITY

**The Institution of Engineers (India) Vallabh Vidyanagar,
Local Center Sponsored**

Two Days Offline Workshop on

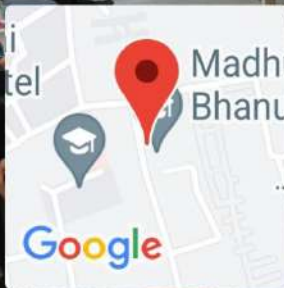
“ Implementation of IoT with NodeMCU ”

22nd July – 23rd July, 2022

Organized By:
Information Technology Department
Madhuben & Bhanubhai Patel Institute of Technology
(A Constituent College of CVM University)



GPS Map Camera



Anand, Gujarat, India

GW99+WCJ, New Vallabh Vidyanagar, GIDC, Anand, Gujarat

388345, India

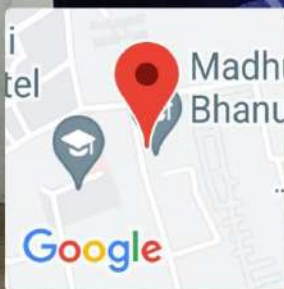
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Long 72.918951°

22/07/22 09:53 AM



GPS Map Camera



Anand, Gujarat, India

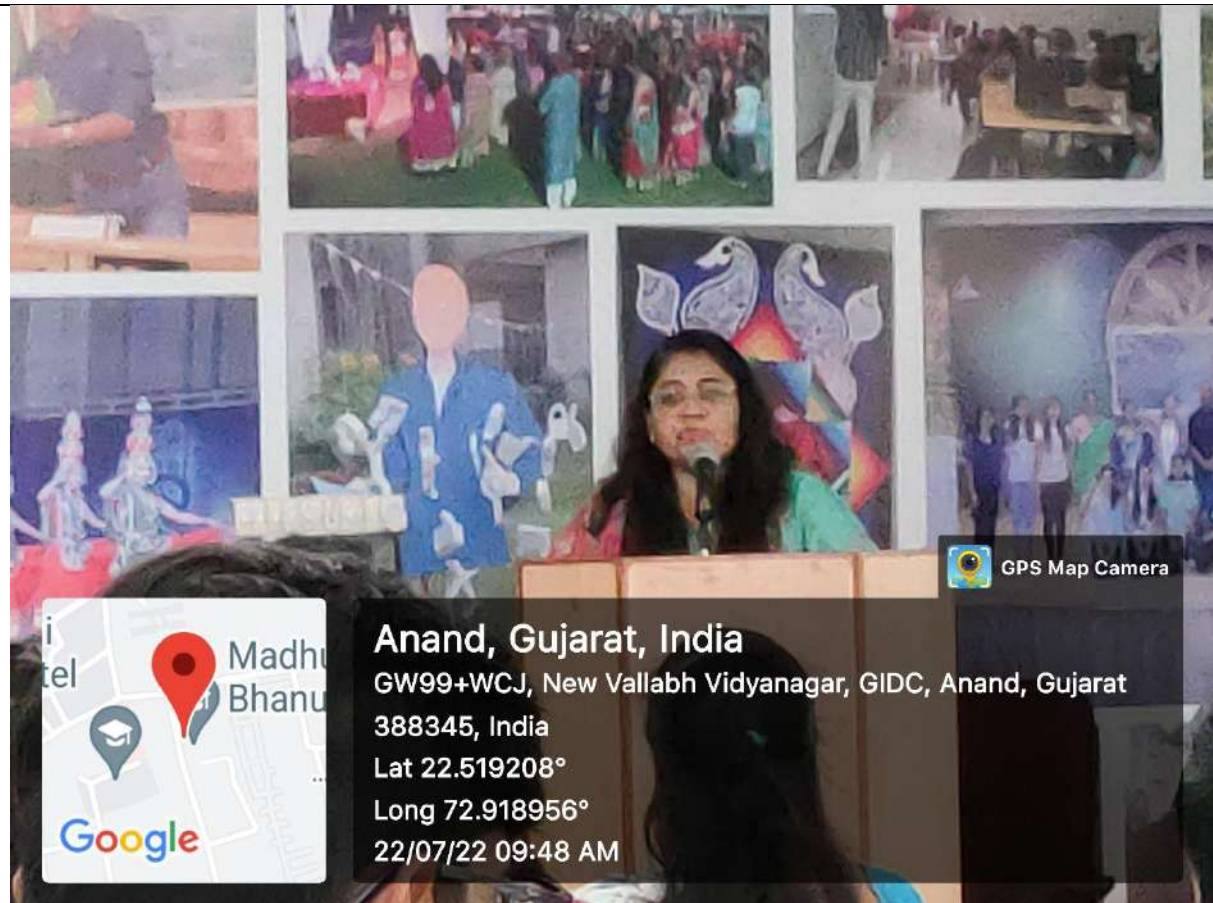
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388345, India

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Long 72.918959°

22/07/22 09:51 AM



GPS Map Camera



Anand, Gujarat, India

GW99+WCJ, New Vallabh Vidyanagar, GIDC, Anand, Gujarat

388345, India

Lat 22.519208°

Long 72.918956°

22/07/22 09:48 AM



GPS Map Camera



Anand, Gujarat, India

GW99+WCJ, New Vallabh Vidyanagar, GIDC, Anand, Gujarat

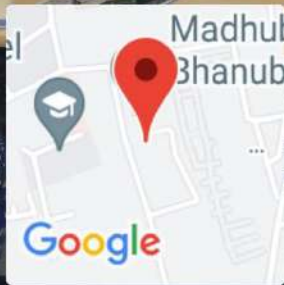
388345, India

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Long 72.918954°

22/07/22 09:43 AM





Anand, Gujarat, India

GW99+9P2, near MBIT College, near Laxmi tea, New Vallabh Vidyanagar, GIDC, Anand, Gujarat 388345, India

Lat 22.518709°

Long 72.919286°

22/07/22 01:48 PM



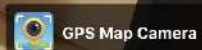
Anand, Gujarat, India

GW99+9P2, near MBIT College, near Laxmi tea, New Vallabh Vidyanagar, GIDC, Anand, Gujarat 388345, India

Lat 22.518738°

Long 72.919364°

23/07/22 11:03 AM









Anand, Gujarat, India

GW99+WCJ, New Vallabh Vidyanagar, GIDC, Anand,

Gujarat 388345, India

Lat 22.519111°

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22/07/22 11:34 AM



GPS Map Camera



GPS Map Camera



Anand, Gujarat, India

GW99+WCJ, New Vallabh Vidyanagar, GIDC, Anand,
Gujarat 388345, India

Lat 22.519448°

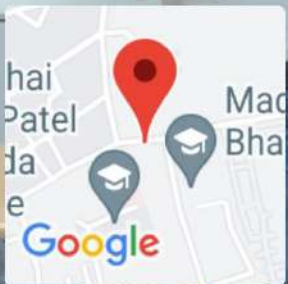
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22/07/22 11:32 AM



Anand, Gujarat, India

45 sukirtan banglow, Near ADIT COLLEGE, Behind G.I.D.C, near ayurveda hospital, New Vallabh Vidyanagar, Mogri, Anand, Gujarat 388345, India
Lat 22.51906°
Long 72.919364°
22/07/22 11:12 AM



Vitthal Udyognagar INA, Gujarat, India

GW99+W7G, New Vallabh Vidyanagar, GIDC, Vitthal Udyognagar INA, Gujarat 388345, India
Lat 22.519805°
Long 72.918338°
22/07/22 10:33 AM

