Unit of Technoarete Research and Development Association



## **International Conference**

by



#### **CORPORATE OFFICE:**

Rais Towers, Anna Nagar, Chennai, Tamil Nadu -600040, India.









(+91) 44 - 4958 9038

info@iferp.in www.iferp.in

Unit of Technoarete Research and Development Association



## MEMORANDUM OF UNDERSTANDING

Between

INSTITUTE FOR ENGINEERING RESEARCH AND PUBLICATION (IFERP)

AND

VISHWATMAK OM GURUDEV COLLEGE OF ENGINEERING (VOGCE)

Preamble

This Memorandum of Understanding (hereinafter referred to us "MOU") is made and entered into by and between the Institute for Engineering Research and publication, a unit of Technoarete Group at Chennai, India and VISHWATMAK OM GURUDEV COLLEGE OF ENGINEERING (VOGCE), Mumbai.

This memorandum sets out the initial relationship between the parties as well as the respective rights and responsibilities of each party. Each Party respectively is expected to act in good faith in accordance with this Memorandum.

#### Purpose

The purpose of this MoU is to establish a framework for International Conference collaboration between Institute for Engineering Research and Publication (IFERP) and VISHWATMAK OM GURUDEV COLLEGE OF ENGINEERING as a co-host for organizing the "1st International Conference on IOT-AI & ML-2022" on 30th - 31st March 2022 will be a Virtual conference and to set forth the understandings and intentions of the partners about collaboration in areas of mutual concern mentioned herein.

## Background

The partnership is important between IFERP and VOGCE Since,

Institute for Engineering Research and Publication (IFERP) is one of the world's largest Nonprofitable R&D Association meant for research development and promotion in the field of Science, Engineering and Technology. IFERP connect professionals, engineers,

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Rais Tower, 2054/B, 2<sup>nd</sup> Floor, 'L' West Block, 2<sup>nd</sup> Ave, Anna Nagar, Chennai, Tamil Nadu 600040, India









Unit of Technoarete Research and Development Association

exchange global innovations and act as a bridge between researchers & academicians.

IFERP form partnership with colleges, universities, professional associations, societies and organizations to operate our local chapter functions worldwide. IFERP is one of the leading publishers of research papers in its high-quality peer reviewed journals, proceedings and research magazine. IFERP publish papers in its own SCOPUS journals and in addition to that IFERP have tie up with other SCOPUS Indexed Journals, ESCI/WEB of Science, UGC Journals and Springer Journals etc.

**VOGCE** was established to produce competent Engineers with professional ethics who will overcome real world Challenges and to Leverage Leading – Edge Technologies and cultivate exemplary work culture.

#### Scope

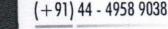
This MoU sets forth the intentions of the parties for increased collaboration, co-operation and interaction and does not create any legally binding commitments. If the parties later agree to undertake any specific new projects, they will develop separate written agreements for such projects, setting out each party's contributions, deliverables, and budgets.

#### Responsibilities

The partners will continue to maintain their separate and unique missions, mandates and accountabilities. Each partner will be fully and solely responsible for all expenses it incurs in relation to this Memorandum.

Title of the Conference: 1st International Conference on IOT-AI & ML-2022

Date: 30th -31st March 2022 Venue: Virtual Conference











Unit of Technoarete Research and Development Association

Conference Participation & Publication (Registration fees)	IFERP Premium Member (INR)	Non IFERP Member (INR)
Students / Academicians / Other	10,000	12,000

\*Note: All Accepted articles will be published in AIP Conference proceedings (Scopus Indexed) Registration fees includes:

- Certificate for conference with AIP Logo (4 Authors per registration)
- Registration fee includes the article processing fee for publication & Conference participation fee.

For Call for paper details in this conference, kindly visit the below <a href="https://ai.iferp.in/call-for-paper.php">https://ai.iferp.in/call-for-paper.php</a>

#### Duration

This MOU is at-will and may be modified by mutual consent of authorized officials Of VISHWATMAK OM GURUDEV COLLEGE OF ENGINEERING and of Mr. Rudra Bhanu Satpathy, Chief Executive Officer, IFERP. This MOU shall become effective upon signature by the authorized officials from the VISHWATMAK OM GURUDEV COLLEGE OF ENGINEERING and Mr. R.B. Satpathy and will remain in effect until modified or terminated by any one of the partners by mutual consent.

#### Conference Scope

 Research papers will be accepted for review from all streams of Science, Engineering Technology and Management including academia as well as industry.

### Expected attendees from host college

• As per the email/Telephonic conversation around 15 papers will be submitted by Co-host college.



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Unit of Technoarete Research and Development Association

In witness whereof, the parties to this MOU through their duly authorized representatives have executed this MOU on the days and dates set out below, and certify that they have read, understood, and agreed to the terms and conditions of this MOU as set forth herein.

#### **Contact Information**

Name of University/Institute: Vishwatmak Om Gurudev College of Engineering

Partner Name: Dr. Dnyandeo D. Shinde

Position: Principal

Address: Mohili, Post: Aghai, Tal: Shahapur, Thane, Maharashtra

Telephone: 9604592989

E-mail: principalvogce@gmail.com

(SIGN)

(Name & Designation)

Name of Professional Association: IFERP

Partner Name: Mr. Rudra Bhanu Satpathy

Position: Director

Address: IFERP, A unit of Technoarete Group,

Chennai, India

Telephone: 044-4958 9038

E-mail: rudra@iferp.in

Mr.Rudra Bhanu Satpathy

CEO, IFERP

(+91) 44 - 4958 9038

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Unit of Edwacrete Research and Development Assignion

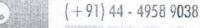
## International Conference



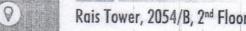
connecting engineers... developing research

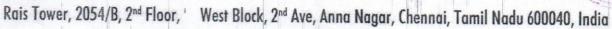
#### CORPORATE OFFICE:

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Unit of Technocrete Research and Development Assi ation



#### MEMOI ANDUM OF UNDERSTANDING

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Unit of Technoarete Research and Development Assc ation



Conference	ALL STATEMENT OF THE PARTY OF T
Publication (	Registration
Students / A	Aca <b>d</b> emicians

nber (INR)

\*Note: All Accepted articles vill be published in AIP Conference proceedings (Scopus Indexed)

### Registration fees includes:

Certificate for conference with AIP Logo (4 Authors per registration)

Registration fee incl. les the article processing fee for publication & Conference

For Call for paper details in is conference, kindly visit the below <a href="https://icpst.co.in/call-for-page-rphp">https://icpst.co.in/call-for-page-rphp</a>

#### Duration

This MOU is at-will and 1 ty be modified by mutual consent of authorized officials

Of VISHWATMAK OM G RUDEV COLLEGE OF ENGINEERING and of Mr. Rudra

Bhanu Satpathy, Chief Excutive Officer, IFERP. This MOU shall become effective upon signature by the authorized ficials from the VISHWATMAK OM GURUDEV COLLEGE OF ENGINEERING and Mr. R

3. Satpathy and will remain in effect until modified or terminated by any one of the partners by mutual consent.

## Conference Scope

Research papers will be a cepted for review from all streams of Science, Engineering
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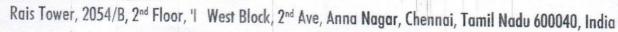
Expected attendees from 1 st college

 As per the email/Teleph iic conversation around 15 papers will be submitted by Co-host college.

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Unit of Technoarete Research and Development Assc ation



In witness whereof, the part s to this MOU through their duly authorized representatives have executed this MOU on the days and dates set out below, and certify that they have read, understood, and agreed to the terms and conditions of this MOU as set forth herein.

Contact Information

Name of University/Institute Vishwatmak Om Gurudev College of Engineering

Partner Name: Dr. Dnyande D. Shinde

Position: Principal

Address: Mohili, Post: Agha Tal: Shahapur, Thane, Maharashtra

Telephone: 9604592989

E-mail: principalvogce@g ail.com

Name of Professional Assocition: IFERP

Partner Name: Mr. Rudra B inu Satpathy

Position: Director

Address: IFERP, A unit of 7 chnoarete Group.

Chennai, India

Telephone: 044-4958 9038

E-mail: rudra@iferp.in

Dr. Dryandeo D Stind

(Name & Designation)

PRINCIPAL

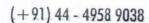
Mishwatmak Om Guruday College Of Engineering At Mohill, Post Aghal, Tal Shahapur, Dist Thans

Mr Pudra Phony Satathy

Mr.Rudra Bhanu Satpathy

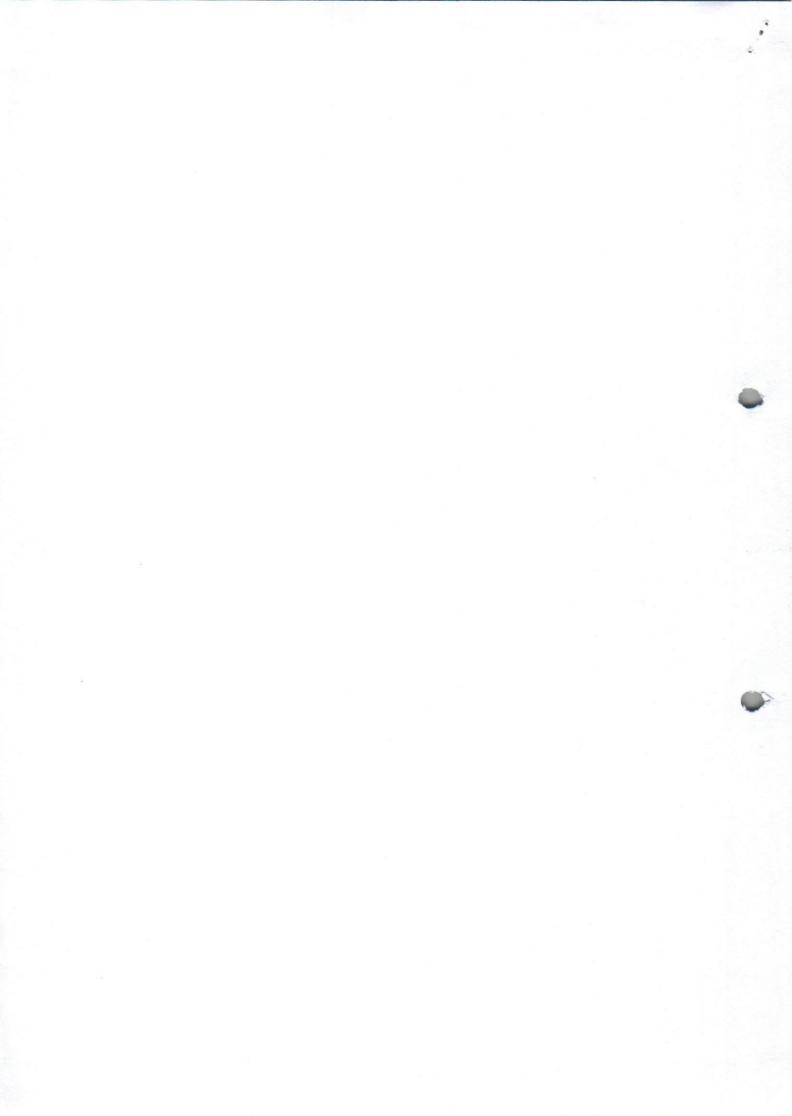
CEO, IFERP





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## Atma Malik Institute of Technology & Research (AMRIT)

## **Department of Civil Engineering**

ACAD-DI-58	One Page Activity Report	Academic Year: 2022-23
Rev: 00		Semester: ODD
Date: 11-7-2022		

Name of Activity	Guest Lecture on Auto CAD 2D, 3D	
Date of activity	17/01/2023	
Name and contact details of Resource Person	Mrs. Anita Sonar	
Name of Faculty coordinator	Prof. P. M. Thorat	
Activity Objectives	To teach students planning by using AutoCAD 2D, 3D	
<b>Activity Outcomes</b>	Students will able to draw line plan, sections, elevations.	







## Atma Malik Institute of Technology & Research (AMRIT) Department of Civil Engineering

Activity Details (with photos)

## Detailed report of Guest Lecture on Importance of CAD in Civil Engineering

#### **Description / Report on Event:**

The session was started with the introduction of resource Mrs. Anita Sonar, Prof. P. M. Thorat gave introduction about the resource person and the short description about topic.

The expert speaker started the session with the introduction of CAD. She has explained all the concepts related to CAD with practical examples. All the students of SE, TE and BE has took the advantages of this Guest lecture and discussed the doubts with resource person Anita Sonar, she solved all the doubts of students with practical application.

This programme was ended with exam and valedictory function.

### Photographs:



Guest Lecture on Rivet Architecture

**Event Co-ordinator** 



HOD



## **Documents attached:**

- 1. Permission letter
- 2. Circular
- 3. Invitation letter
- 4. Thanking letter
- 5. Attendance







## Atma Malik Institute of Technology & Research (AMRIT)

**Department of Civil Engineering** 

ACAD-DI-58	One Page Activity Report	Academic Year: 2022-23
Rev: 00		Semester: ODD
Date: 11-7-2022		

Name of Activity	Guest Lecture on Rivet Architecture	
Date of activity	16/03/2023	
Name and contact details of Resource Person	Mahesh Ramchandran (8605518026)	
Name of Faculty coordinator	Prof. S. G. Sonawane	
Activity Objectives	To teach students to extract quantities of various structural members and large designs	
<b>Activity Outcomes</b>	Students will able to compute quantities of various items.	







## Atma Malik Institute of Technology & Research (AMRIT) Department of Civil Engineering

Activity Details (with photos)

Detailed report of Guest Lecture on Rivet Architecture

#### **Description / Report on Event:**

The session was started with the introduction of resource Mahesh Ramachandran, Prof. P. M. Thorat gave introduction about the resource person and the short description about topic.

The expert speaker started the session with the introduction of Rivet. He has explained all the concepts related to Rivet and Rivet Architecture with practical examples. All the students of SE, TE and BE has took the advantages of this Guest lecture and discussed the doubts with resource person Mahesh Ramchandran, he solved all the doubts of students with practical application.

This programme was ended with exam and valedictory function.

#### **Photographs:**



Guest Lecture on Rivet Architecture

Event Co-ordinator

uecollege.



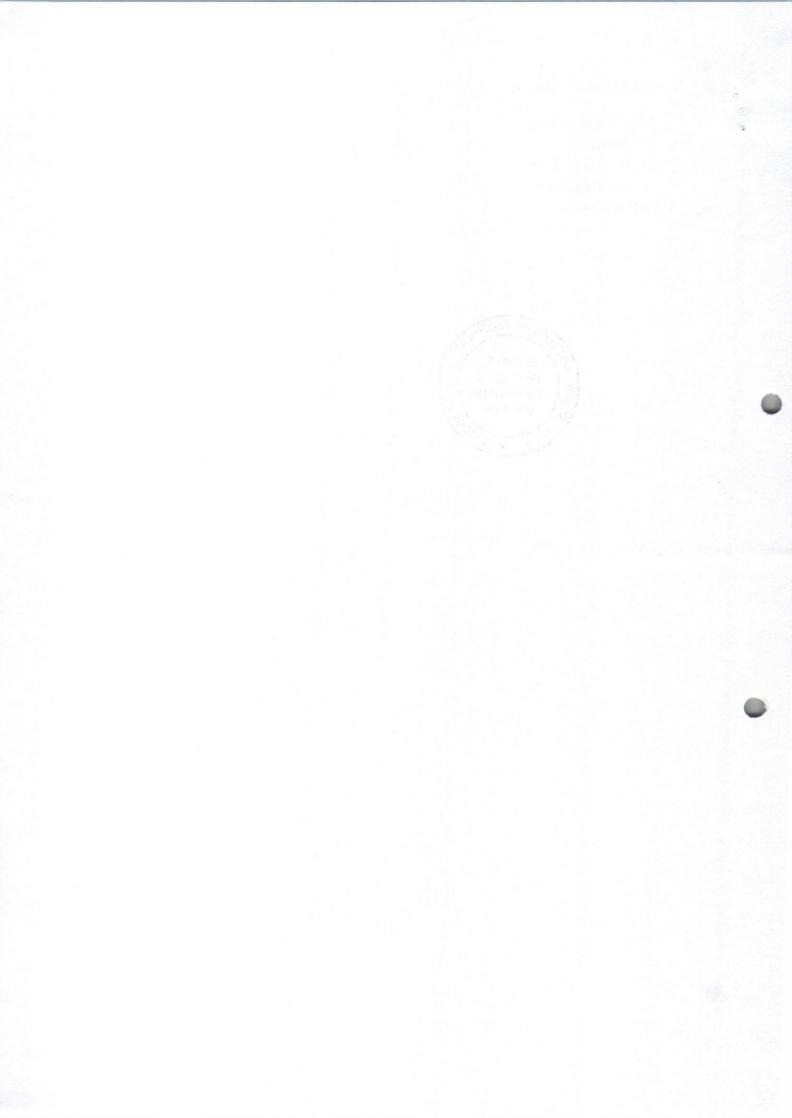
HOD



## **Documents attached:**

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## !! Sabka Malik Atma !! Vishwatmak Jangli Maharaj Ashram Trust's

## Atma Malik Institute of Technology & Research (AMRIT)

**Department of Civil Engineering** 

ACAD-DI-58	One Page Activity Report	Academic Year: 2022-23
Rev: 00		Semester: ODD
Date: 11-7-2022		

Name of Activity	Guest Lecture on Process of Tendering And RERA	
Date of activity	19/10/2022	
Name and contact details of Resource Person	Nitesh Naik (8369943499)	
Name of Faculty coordinator	Prof. D. R. Patil	
Activity Objectives	To teach students to process of tendering in detail and to know them various governing bodies	
Activity Outcomes	Students will able to fill the E-tender and open tender.	







## !! Sabka Malik Atma !! Vishwatmak Jangli Maharaj Ashram Trust's

## Atma Malik Institute of Technology & Research (AMRIT) Department of Civil Engineering

Activity Details (with photos)

## Detailed report of Guest Lecture on Process of Tendering And RERA

### Description / Report on Event:

The session was started with the introduction of resource Mr. Nitesh Naik, Prof. Swati Ganesh Sonawane gave introduction about the resource person and the short description about topic.

The expert speaker started the session with the introduction of E- Tendering . He has explained all the concepts related to Tendering and RERA with practical examples. All the students of SE, TE and BE has took the advantages of this Guest lecture and discussed the doubts with resource person Mr. Nitesh Naik, he solved all the doubts of students with practical application.

This programme was ended with exam and valedictory function.

### **Photographs:**



Guest Lecture on Process of Tendering And RERA

Event Co-ordinator



HOD



## **Documents attached:**

- 1. Permission letter
- 2. Circular
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- 4. Thanking letter
- 5. Attendance





## !!Sabka Malik Atma!! Vishwatmak Jangli Maharaj Ashram Trust's

## Atma Malik Institute of Technology & Research (AMRIT) Department of Electronics & Telecommunication Engineering

ACAD-DI-58

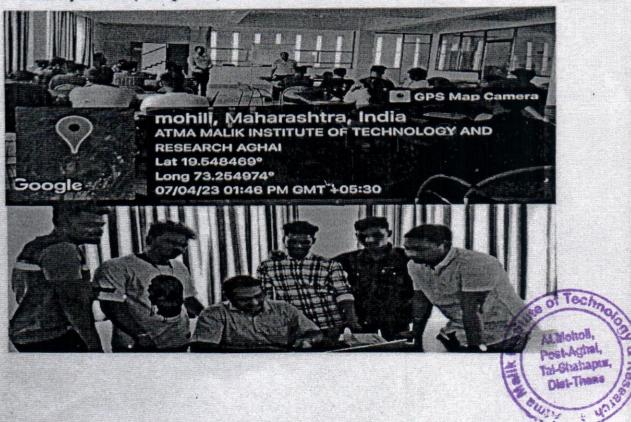
Rev: 00 Date: 11-7-2022 One Page Activity Report

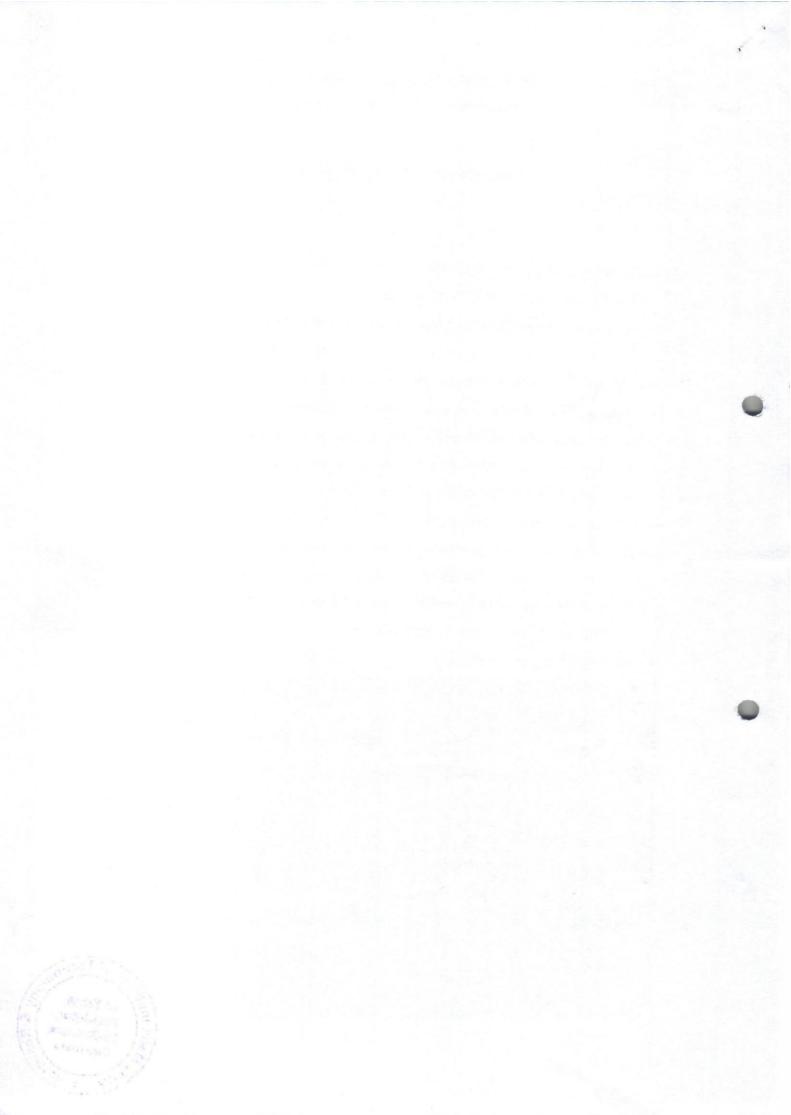
Academic Year: 2022-22

Semester: EVEN

Coonned with Comcoonner

- Name of Activity: ADD ON PROGRAM ON "IOT AND APPLICATIONS"
- Date of activity: 04/04/2023-08/04/2023
- Name and contact details of resource person: DOLPHIN LABS PUNE
   Mr. Chittranjan Mahajan
- Name of Faculty coordinator: Miss. Vaishnavi Rajkor
- Activity Objectives: Exposure to various sub-fields and technology stacks of IoT Enable students to convert their IoT product idea into a working prototype Provide thorough working knowledge of the Arduino Platform Bring-up entrepreneurs and innovators by supporting them with investment and mentorship
- Activity Outcomes: Understanding the skill set required in a new employee in
  embedded industry. Understanding the robotics future and scope Understanding the
  different microcontroller available in the industry & their use. In-depth knowledge on
  design, construction and programming concepts involved in building an autonomous robot
  Learn & Interact with renowned Industry Experts.
- Activity Details (with photos):

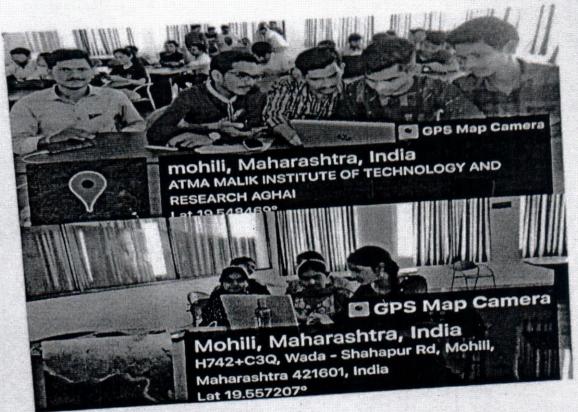






## !|Sabka Malik Atma!| Vishwatmak Jangli Maharaj Ashram Trust's

# Atma Malik Institute of Technology & Research (AMRIT) Department of Electronics & Telecommunication Engineering

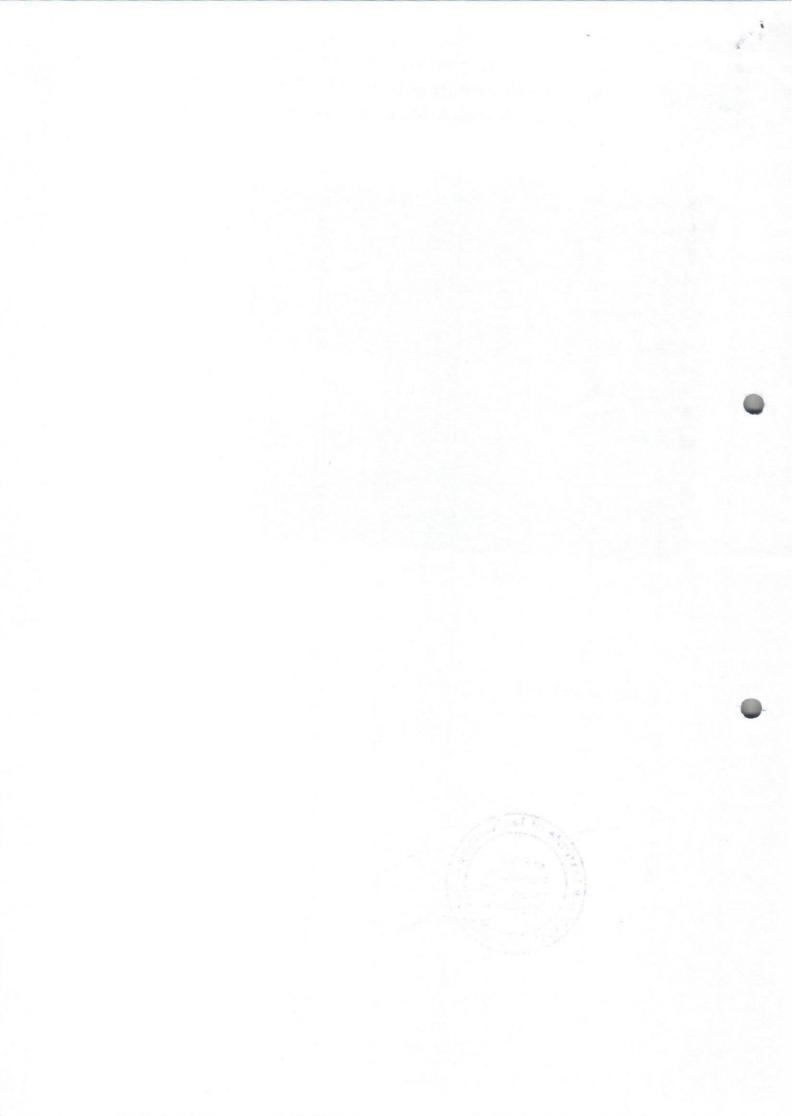


No. of participants: 60

Faculty co-ordinator

HOD Prof. Surnit Kumor







## **Vishwatmak Om Gurudev College of Engineering**

#### DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

**Event: - Add on program** 

Program: - Arduino based Automation

Date / Duration: 07-04-2022 to 11-04-2022 /Four days (30 Hrs.)

Resource Person: Mr. Chittaranjan Mahajan, Dolphin Labs, Pune

Name of Organiser Department: Electronics and Telecommunication

Name of Coordinator: Prof.Ganesh Sonawane

Target Audience: First Year To Last Year Degree And Diploma Students of EXTC, Computer, Mechanical & Civil branch

Total no of Participants: 60.

Objective of the event: To expose the students to the circuit design environment using Arduino

Outcome of the event: By attending the workshop, the students are be able to do Mini as well as major projects, as part of the curriculum. Further, the students have gained knowledge on hardware design related issues that enables them to face interviews confidently

#### 1. Photographs:



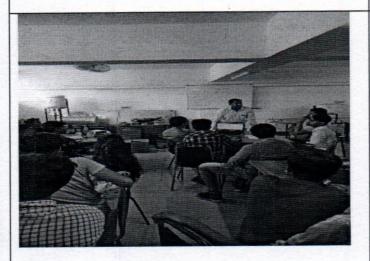




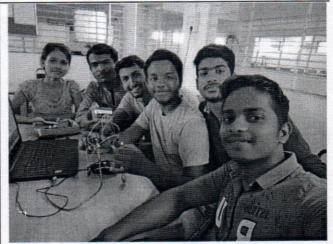
# Vishwatmak Om Gurudev College of Engineering

Dr.D D Shinde, Principal addressing to Students

Mr.Chittaranjan Mahajan, Trainer addressing to Students

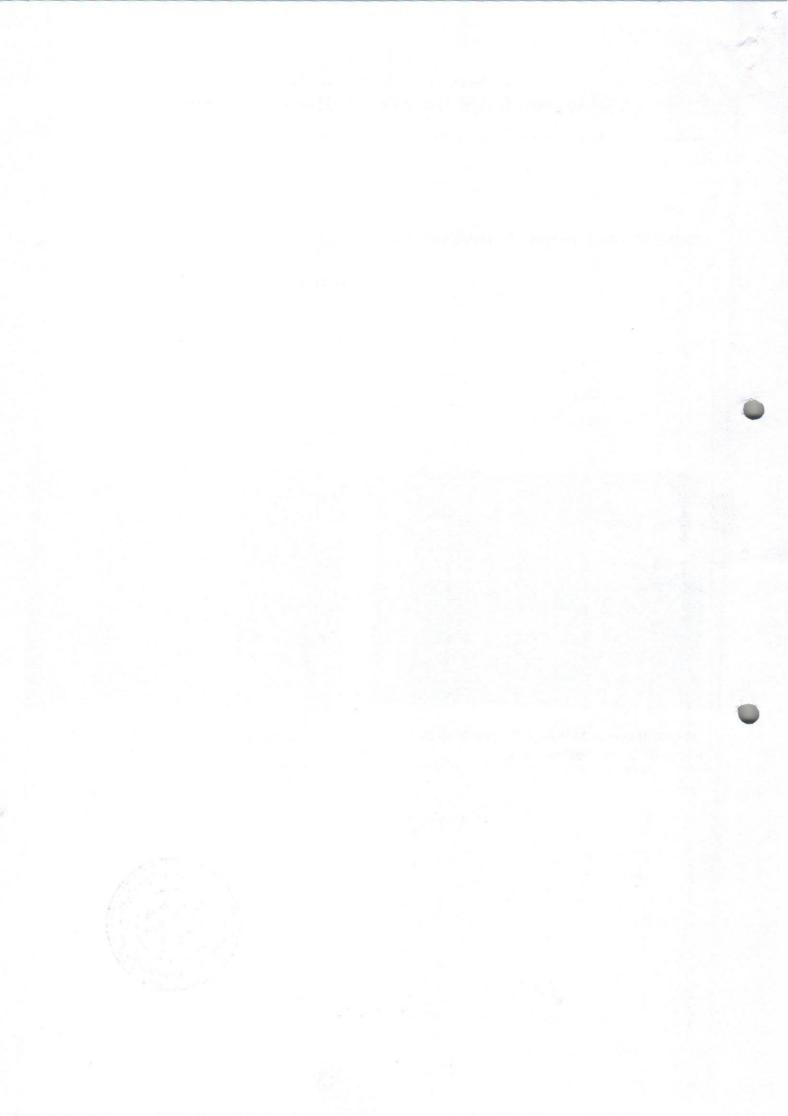


Mr.Chittarajan Mahajan Sir teaching to Students in Simulation LAB



**Students Performing Practically** 





# 4 Days Workshop on Arduino

Four Days Hands On Program



Organised by Vishwatmak Om Gurudev College Of Engineering

- Introduction to Ardvino 30 Hrs. Add
- Arduino IDE
- · Library Addition

On Program

- Serial Communication
- Creating Functions
- Interfacing With IR Sensors
- Serial Interface
  More than 25 Projects/ Case studies

Hurry Up! Comfirm Your Seat

Just 750 Rs Per Student



**Guest Speaker** 

Mr.Chittaranjan P. Mahajan Owner , Dolphin Labs Founder President, Dolphin **Educational** and Research Society.(DEARS, Pune)



**Event Coordinator** Ass. Prof. Ganesh Sonawane **Certificate Will be** Provided

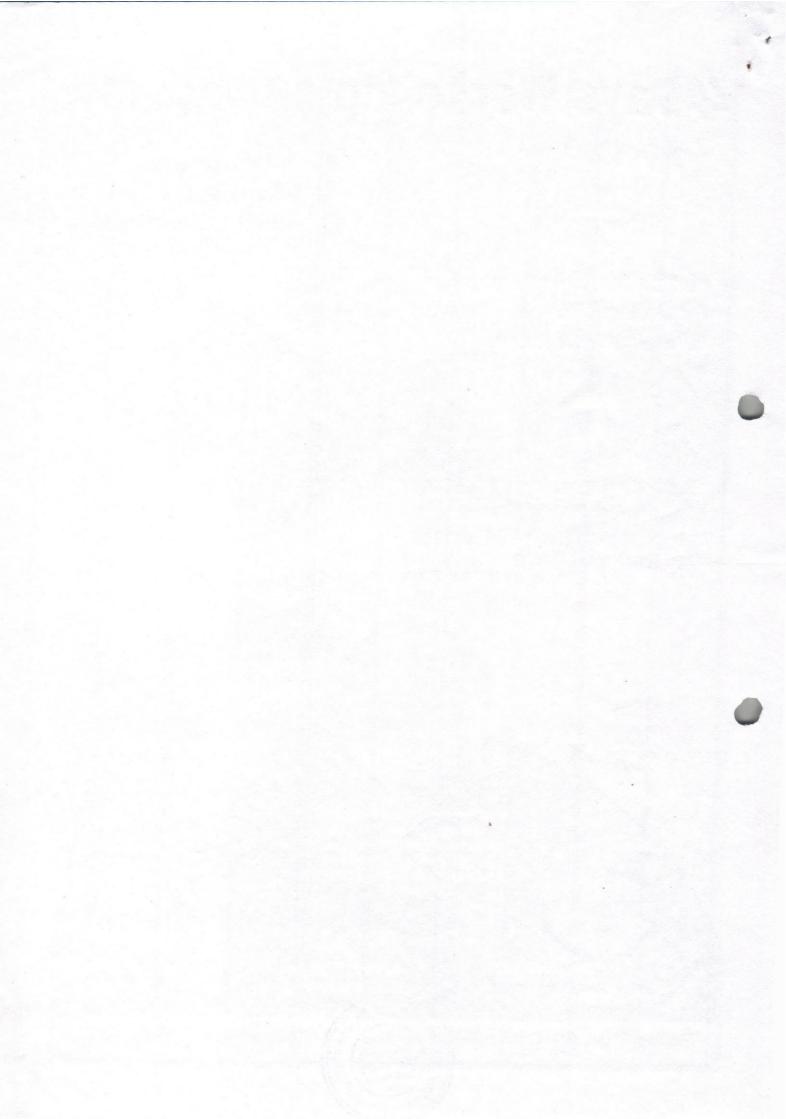
Scan For More **Details** 

Date: 7 to 11 April 2022



Venue : Vocce







## Vishwatmak Om Gurudev College of Engineering

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

**Event:- Add on program** 

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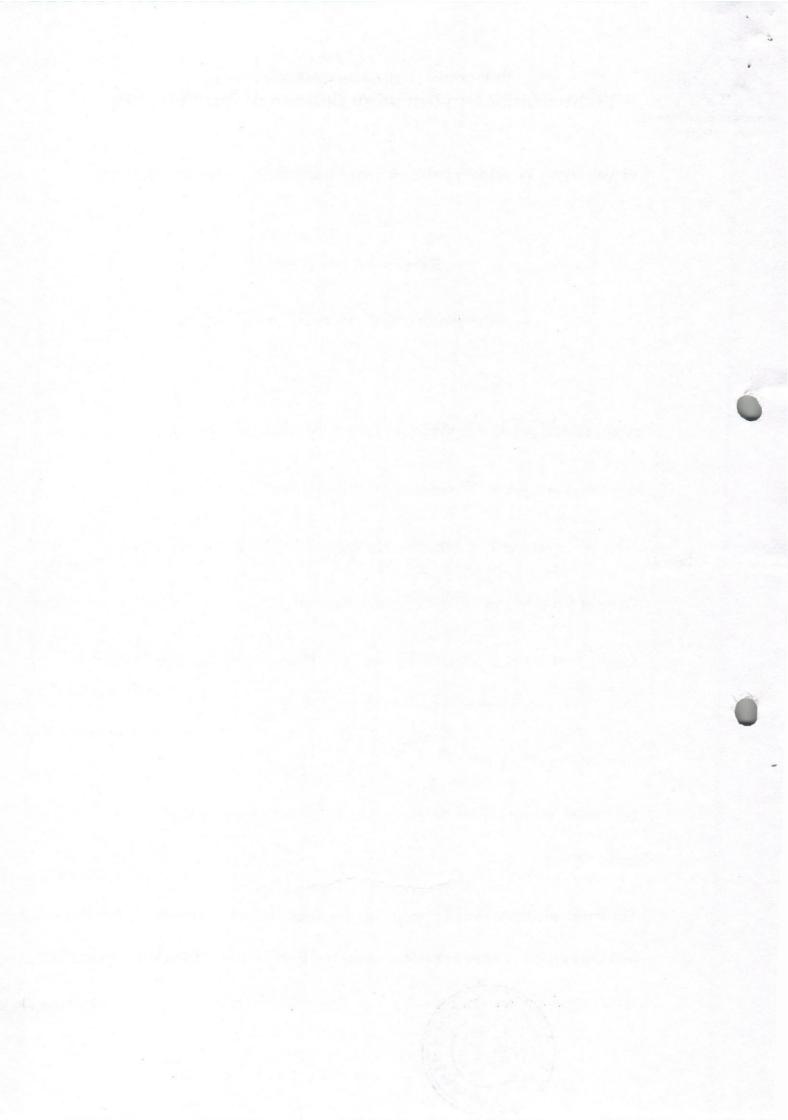
Target Audience: First Year To Last Year Degree And Diploma Students of EXTC, Computer, Mechanical & Civil branch

Total no of Participants: 39.

Objective of the event: To expose the students to the circuit design environment using Arduino

Outcome of the event: By attending the workshop, the students are be able to do Mini as well as major projects, as part of the curriculum. Further, the students







### Vishwatmak Om Gurudev College of Engineering

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#### **Description / Report on Event:**

Day I (8Hrs):- The Three day workshop began with an inaugural address by Dr.D D Shinde, Principal ,Principal ,who highlighted the need for getting exposed to the latest advancements. The students were told that , the department technical club is organizing various events periodically for exposing the students to latest trends. It was mentioned that either for completing mini or major projects as well as for facing the placement interviews effectively, the students should always get themselves equipped with the latest trends. In particular, even after the completion of the B.E programme, the need to deliberate their project on various platforms. It was also suggested not to restrict their projects to simulation levels but to develop working models using hardware. All the students are advised to actively participate in such events and enhance their skills. In the three days workshop, resource person Mr.Chittaranjan Mahajan presented the need for getting exposed to Arduino Platform and asked the students to involve and practice the concepts..

All the students were explained about the basics of embedded systems and its role in solving the real time problems. It was told that with the advent of Internet of things, more areas have under the umbrella of providing solutions to real time issues. This was followed by explaining the students about the differences between a microprocessor and





## Vishwatmak Om Gurudev College of Engineering

micro controller. Later the basics of Arduino were explained to students. It was

told that Arduino is an open source hardware and software platform to develop kits for digital devices. Arduino board designs use a variety of microprocessors and controllers. The boards are equipped with sets of digital and analog input/output (I/O) pins that may be interfaced to various expansion boards ('shields') or breadboards (for prototyping) and other circuits. The boards feature serial communications interfaces, including Universal Serial Bus (USB) on some models, which are also used for loading programs.

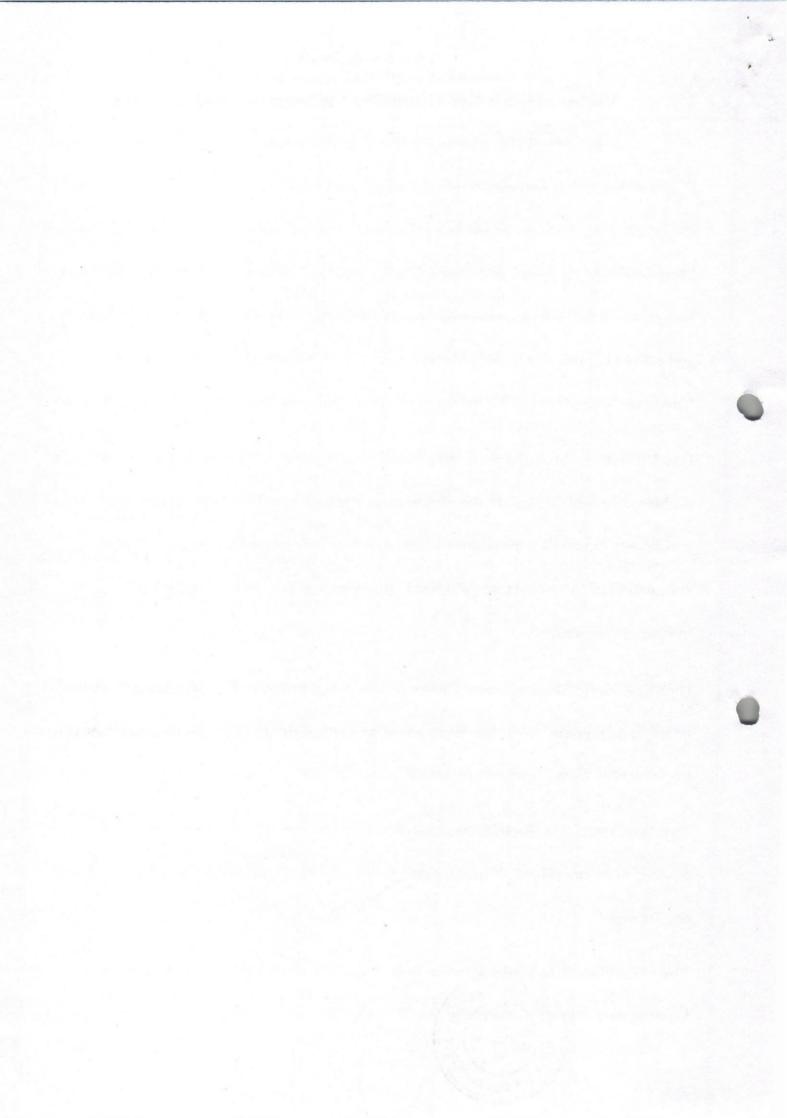
Day II(8 Hrs): After the theoretical introduction is over, basic programs to work with Arduino were explained. In the afternoon session, the students were taken to Systems and Signal Processing laboratory where they have simulated the circuits. Upon completion of the simulation, students are given Arduino boards and asked to implement the same.

DayIII( 8 Hrs): Students were shown how to write program for interfacing Arduino board to buzzer and then they were asked to implement it. Then the students themselves implemented relay. Students practiced more circuits.

Day IV(6 Hrs):- On the last day, students were able to write program for various devices to be interfaced. Musical dancing lights, switch, relays were made on and off one by one.

Then Mahajan sir taught them how to perform practicals using virtual Arduino board.

He presented various boards and told the students how to use and for which application.





# Vishwatmak Om Gurudev College of Engineering

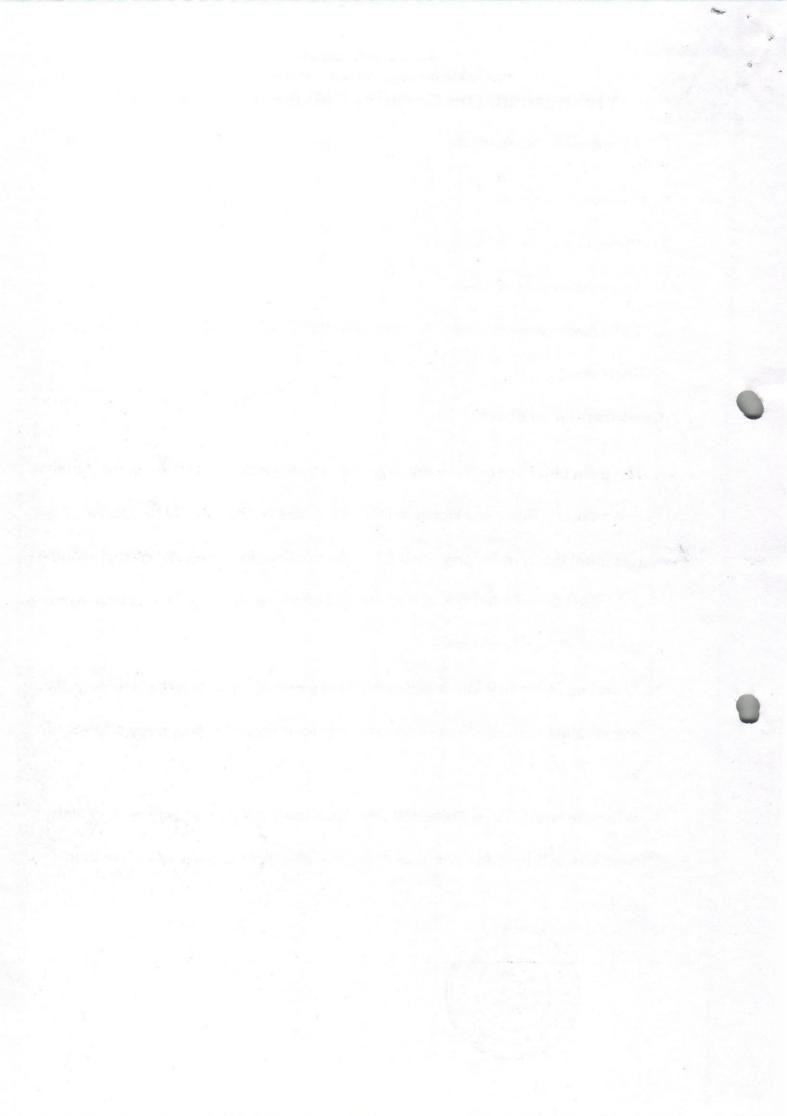
### Feedback / Suggestions:

- 1. It was nice workshop.
- 2. Better to provide individual kits
- 3. More interaction needed
- 4. Laboratory sessions should be more effectively dealt by allocation more than a single faculty

#### Comments on feedback:

- The main objective of the workshop is to introduce the student about the Arduino
  environment. Being in Degree & Diploma students, they should be able to
  transform the knowledge gained for implementing mini projects. As the Arduino
  is an open source platform, it will not be difficult to develop circuits later with
  the help of faculty members.
- Providing individual kits is expensive to students towards registration fee as the organization with which the event is carried out needs to bring more number of kits.
- 3. When the workshop is organized next time, more supporting staff or the faculty members will be made available as the students want to solve more and more practice.







## Vishwatmak Om Gurudev College of Engineering

4. Arduino has a broad scope and implementing more or all applications is not possible in three days. The students need to get the basic knowledge and practice their individual mini or major projects.

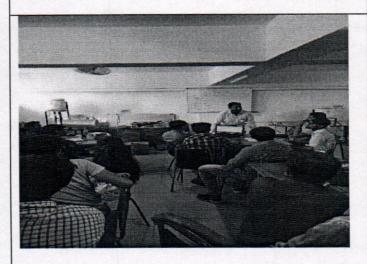
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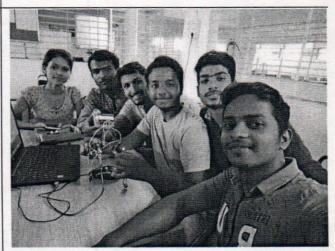
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Mr.Chittaranjan Mahajan, Trainer addressing to Students

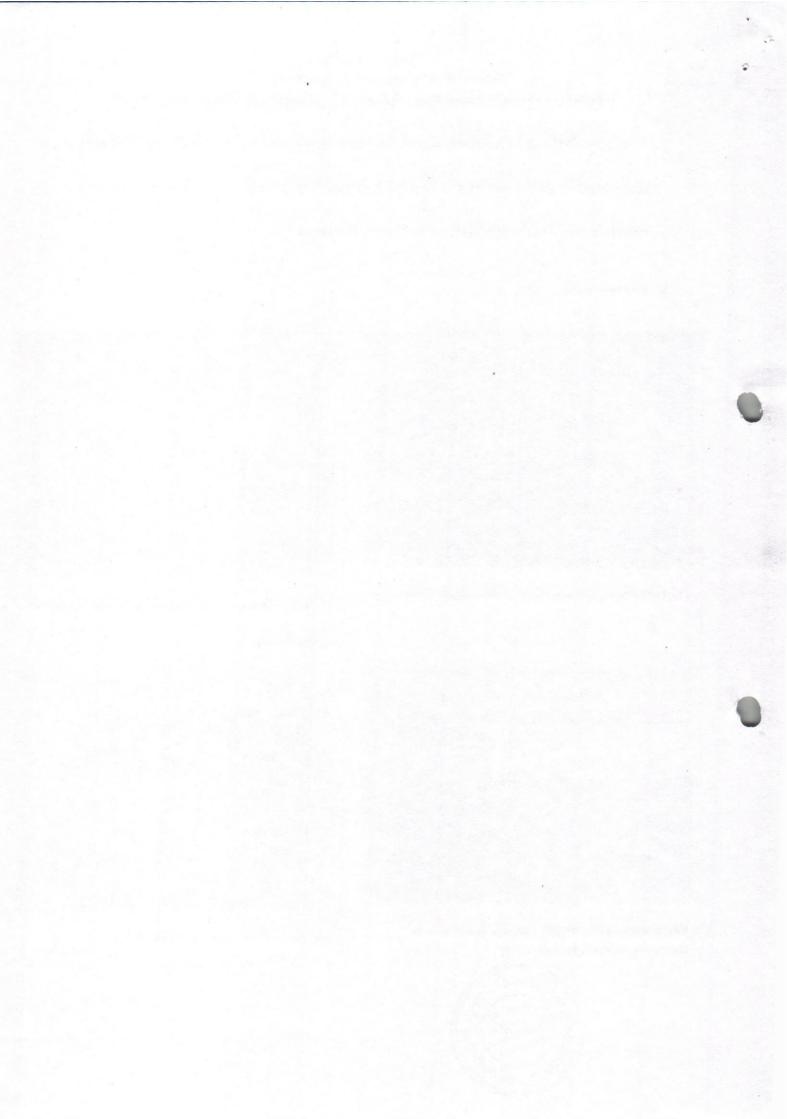


Mr.Chittarajan Mahajan Sir teaching to Students in Simulation LAB



**Students Performing Practically** 







# CERTIFICATE



# This is to certify that

of <u>TE (ExTL)</u> of Vishwatmak Om Gurudev College of Engineering has successfully completed 30 Hours Add on Program on "Arduino Based Automation", from 07/04/2022 to 10/04/2022.

Mr. Chittaranjan Mahajan CEO, Dolphin Labs Prof. Ganesh Sonawane Event, Co Ordinator Prof. Sumit Kumar HoD. E & TC

Dr. Dnyandeo Shinde Principal