



Dr. V. P. SHETKARI SHIKSHAN MANDAL'S  
**PADMABHOOSHAN VASANTRAODADA PATIL INSTITUTE  
OF TECHNOLOGY, BUDHGAON (SANGLI)**

● **DEGREE WING [EN - 6269]** ●



TAL. MIRAJ, DIST. SANGLI - 416 304 STATE : MAHARASHTRA (INDIA).

APPROVED BY AICTE NEW DELHI & RECOGNIZED BY GOVERNMENT OF MAHARASHTRA, AFFILIATED TO D.BATU LONERE

**Resolution of Institution Innovation Council (IIC), Quarter-III**

The **Third council meeting** of the Institution's Innovation Council (IIC), **Padmabhooshan Vasanttraodada Patil Institute of Technology (PVPIT), Budhgaon** was called by IIC President **Dr. Mukund Harugade** on **12/03/2024** to discuss upon function of IIC for **Quarter-III**, academic year 2023-2024 & to assign responsibility among council members as per the guidelines of Ministry of Education's Innovation cell.

As per the decision of the competent authority, the following members will be part of IIC;

| Sr. No. | Name of Member       | Member Type<br>(Teaching/Nonteaching<br>/Student/External Expert) | Key Role/ Position Assigned in IIC |
|---------|----------------------|---|------------------------------------|
| 1.      | Dr. M. L. Harugade   | Teaching  | President                          |
| 2.      | Dr. P. B. Dhanke     | Teaching  | Vice-President (ARIIA Coordinator) |
| 3.      | Mrs. D. D. Dhokate   | Teaching  | Convenor                           |
| 4.      | Dr. S. Y. Gadgune    | Teaching  | NIRF Coordinator                   |
| 5.      | Mr. V. S. Kore       | Teaching  | IPR Activity Coordinator           |
| 6.      | Mr. D. O. Shirsath   | Teaching  | Internship Activity Coordinator    |
| 7.      | Mr. S. A. Wani       | Teaching  | Social Media Coordinator           |
| 8.      | Mr. A. A. Kusanale   | Teaching  | Innovation Activity Coordinator    |
| 9.      | Mrs. T. S. Upadhye   | Teaching  | Start-up Activity Coordinator      |
| 10.     | Miss. S. A. Patil    | Teaching  | Member                             |
| 11.     | Dr. S. B. Pawar      | Teaching  | Member                             |
| 12.     | Dr. A. B. Shinde     | Teaching  | Member                             |
| 13.     | Miss. A. S. Bhandare | Teaching  | Member                             |
| 14.     | Mr. V. G. Sawant     | Teaching  | Member                             |
| 15.     | Mr. S. S. Sutar      | Teaching  | Member                             |
| 16.     | Mr. C. M. Patil      | Teaching  | Member                             |
| 17.     | Mrs. M. S. Patil     | Teaching  | Member                             |
| 18.     | Mr. A. A. Shaikh     | Teaching  | Member                             |
| 19.     | Mrs. A. V. Patil     | Teaching  | Member                             |
| 20.     | Mr. A. S. Patil      | Teaching  | Member                             |
| 21.     | Mrs. A. P. Lad       | Teaching  | Member                             |

The council members discussed the activities (IIC calendar, Celebration and Self-Driven) and features of the IIC portal. The council members also discussed collaborations within and outside the institution to accelerate the activities of IIC.



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The council also deliberated on a quarterly action plan in synchronization with activities and initiatives of other departments, centers and facilities in the Institute working towards promoting IPR, Innovation, Entrepreneurship and Startup.

The council unanimously decided to carry out all the IIC activities regularly throughout **Quarter-III** and meet regularly at the beginning and end of every quarter to review the progress made in the previous quarter and also to plan for the upcoming quarter. The council has agreed to convene the next meeting tentatively in the **Last week of May 2024**.

Principal  
Name: Prof. Dr. B. S. Patil  
Place: PVPIT-Budhgaon.  
Date: 12-03-2024



Attendance sheet of all the members:

| Sr. No. | Name of Member       | Signature | Sr. No. | Name of Member     | Signature |
|---------|----------------------|-----------|---------|--------------------|-----------|
| 1.      | Dr. M. L. Harugade   |           | 2.      | Dr. P. B. Dhanke   |           |
| 3.      | Mrs. D. D. Dhokate   |           | 4.      | Dr. S. Y. Gadgune  |           |
| 5.      | Mr. V. S. Kore       |           | 6.      | Mr. D. O. Shirsath |           |
| 7.      | Mr. S. A. Wani       |           | 8.      | Mr. A. A. Kusanale |           |
| 9.      | Mrs. T. S. Upadhye   |           | 10.     | Miss. S. A. Patil  |           |
| 11.     | Dr. S. B. Pawar      |           | 12.     | Dr. A. B. Shinde   |           |
| 13.     | Mr. V. G. Sawant     |           | 14.     | Mr. S. S. Sutar    |           |
| 15.     | Miss. A. S. Bhandare |           | 16.     | Mr. C. M. Patil    |           |
| 17.     | Mrs. M. S. Patil     |           | 18.     | Mr. A. A. Shaikh   |           |
| 19.     | Mrs. A. V. Patil     |           | 20.     | Mr. A. S. Patil    |           |
| 21.     | Mrs. A. P. Lad       |           |         |                    |           |



### **Minutes of Council Meeting of Institution Innovation Council (IIC), Quarter-III**

The **Third meeting** of the Institution's Innovation Council (IIC-6.0) was conducted at **Padmabhooshan Vasantraodada Patil Institute of Technology (PVPIT), Budhgaon**, on Monday **12/03/2024** from 3:00 pm to 4:00 pm.

1. Our President welcomed the Members. The Convener of IIC has shared the presentation about planning PVPIT's IIC activities for **Quarter-III**.
2. 16 faculty members attended this meeting. The IIC President, Vice-president, Convener, and Faculty coordinators were present.
3. The previous activities were already conducted in **Quarter-II** and this meeting was called to plan the activities for **Quarter-III**.
4. The prescribed schedule as provided by MoE IIC was referred.
5. The council members also talked about working together with groups to accelerate IIC.
6. The council also discussed the quarterly action plan while keeping other departments, centres, and facilities' ideas and activities in sync.
7. The council reached a unanimous decision to conduct all IIC operations regularly throughout **Quarter-III**.
8. The next meeting of the council has been scheduled.
9. The vote of thanks was proposed by the convener.

#### **Key points:**

- ✚ President Dr. Mukund Harugade explained the Planning for activities will be conducted in Quarter-III. The Convener Mrs. D. D. Dhokate presented her vision and ideas about upcoming activities.
- ✚ Finally, the meeting was concluded by agreeing with all participating members that the attendance also shall be taken in digital format.

**Date:** 12/03/2024  
**Place:** Budhgaon



Signature & Seal  
(IIC President)  
Dr. Mukund Harugade





**Plan for Quarter-III**  
**1<sup>st</sup> March – 30<sup>th</sup> May, 2024**

On the Behalf of Institution's Innovation Council (IIC), **Padmabhooshan Vasantraodada Patil Institute of Technology, Budhgaon**, I, the IIC President, **Dr. Mukund Harugade** would like to declare that we conduct the following activities in **Quarter-III** during the academic year 2023-2024.

| Quarter-III<br>(1 <sup>st</sup> March<br>2024 –<br>30 <sup>th</sup> May,<br>2024) | Sr.<br>No. | Activity  | Speaker/Conducted by   | Activity<br>Type           | Date  |
|---|------------|---|--|----------------------------|---|
|   | 1.         | A session on Intellectual Property Rights   | Mr. Dhruv Bramhbhatt<br>MD, of Mycrave<br>Consultancy and Services,<br>Gujrat.<br>and Miss Pooja Menon<br>COO of Mycrave | IIC<br>Activity            | 3 <sup>rd</sup> week of<br>March 2024             |
|   | 2.         | Visit to an Incubation center.  | Mrs. D. D. Dhokate   | IIC<br>Activity            | 2 <sup>nd</sup> week of<br>April 2024             |
|   | 3.         | IdeaThon - Second Phase<br>(Offline for Sangli Zone)  | Mr. Harshal Patil CEO,<br>NETRA, Incubation<br>IManager, RIT, Sakharale,   | IIC<br>Activity            | 3 <sup>rd</sup> Week of<br>March 2024             |
|   | 4.         | Poster Presentation<br>Competition  | Organized by First Year<br>and IIC-PVPIT   | IIC<br>Activity            | 3 <sup>rd</sup> Week of<br>May                    |
|   | 5.         | Orientation program on<br>Design in AutoCAD for SY-Civil<br>and SY-Mechanical organized<br>by Civil department. | Organized by Civil<br>Department and IIC   | IIC<br>Activity            | 3 Months<br>(February-<br>2024 to April-<br>2024) |
|   | 6.         | Session on plan for Start-up<br>(Visit and Lecture).  | SAEINDIA Office Bearer<br>Keshav Tamhankar   | IIC<br>Activity            | Last Week of<br>March 2024                        |
|   | 7.         | Field exposure visit at<br>tCognition, Kolhapur,<br>Maharashtra   | Mrs. M. M. Raste and Mrs.<br>A. G. Chendke   | Self<br>Driven<br>Activity | 1 <sup>st</sup> Week of<br>May 2024               |
|   | 8.         | Two days' workshop on<br>Software Testing   | Mr. Suyog Sanjay Shah<br>and Dr. A. B. Shinde  | Self<br>Driven<br>Activity | 2 <sup>nd</sup> Week of<br>May 2024               |
|   | 9.         | Field exposure visit at One Star<br>Software Solutions  | Mrs. A. G. Chendke and<br>Mrs. S. S. Patil   | Self<br>Driven<br>Activity | 2 <sup>nd</sup> Week of<br>May 2024               |
|   | 10.        | Field exposure visit at Chitale<br>Dairy, Bhilawadi   | Mr. Amarsingh S. Patil<br>and Mr. Sandesh S. Awati.  | Self<br>Driven<br>Activity | 3 <sup>rd</sup> Week of<br>May 2024               |
|   | 11.        | Two days' workshop on "IoT<br>Using Node MCU & Paspberry<br>Pi  | Dr. Kishor K. Pandiyaji<br>and Dr. A. B. Shinde  | Self<br>Driven<br>Activity | 3 <sup>rd</sup> Week of<br>May 2024               |
|   | 12.        | Programming competition<br>SCIPY organized by CSE (AIDS)<br>department along with IIC                           | Mrs. Tejaswini Upadhye<br>Ms. Prajкта Suryavanshi  | Self<br>Driven<br>Activity | 3 <sup>rd</sup> Week of<br>May 2024               |
|   | 13.        | Programming competition<br>TECHNOVA-C organized by<br>CSE and IIC   | Mrs. M. S. Patil<br>Ms. Anuja Kanase   | Self<br>Driven<br>Activity | 3 <sup>rd</sup> Week of<br>May 2024               |



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**2023-2024**



|  |            |   |  |                      |                       |
|--|------------|---|--|----------------------|-----------------------|
|  | <b>14.</b> | Celebration of Biodiversity Day organized by E & Tc, Chemical, First Year and IIC | Prof. Mohan Madavanna, Dayanand College, Solapur | Self Driven Activity | Last Week of May 2024 |
|  | <b>15.</b> | Workshop on IOT organized by Computer Science Engg. and IIC                       | Mrs. D. D. Dhokate, Ms. R. J. Jagtap             | Self Driven Activity | Last Week of May 2024 |

**Date:** 12/03/2024  
**Place:** Budhgaon



*Bhargava e.*

Signature & Seal  
(IIC President)  
Dr. Mukund Harugade



## REPORT

### Title:

IIC of PVPIT organized **IdeaThon** - Second Phase (Offline for Sangli Zone) on 15 March 2024.

### Objective:

The objective of the Hackathon is to encourage the students for applying their technical skills to solve the real-time problems with innovative minds and critical thinking.

### Benefits:

1. Inspiration: Through the phase of Innovative idea submission student are encouraged for critical thinking through problem solving approach.
2. Startup and business approach: Students were thinking with the startup and business approaches through their innovative ideas.
3. Skill Development: The program facilitated the development of essential entrepreneurial skills such as critical thinking, problem-solving, communication, and leadership through the power point presentations.

### Overall Report:

Our College Padmabhooshan Vasantraodada Patil Institute of Technology , Budhgaon (Sangli) had organized the Hackathon event named Ideathon 24. The Hackathon has been conducted in 3 rounds. Our institute was the Host institute for Sangli region on 15<sup>th</sup> March 2024.

Coordination and smooth execution of this event was done by HOD CSE and Event Chief Coordinator Mrs. Dhanashri D. Dhokate , Co ordinators Mrs. T. S. Upadhye and Mrs. N.B. Jagtap. Under the guidance of Principal Dr. B. S. Patil and all IIC members ,PVPIT, Budhgaon.

The Chief Guest for our inauguration ceremony of final offline round were Mr. Harshal Patil CEO, NETRA, Incubation IManager, RIT, Sakharale, with his immense presence he boosted the competitive spirit among the participants so they could kick start their work with enthusiasm.



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Total 15 ideas were shortlisted for this round and presented in the CSE department classroom. The evaluation is done by Dr. S. B. Pawar , Professor , PVPIT and Mr. Tejas Patil.

Students and faculty members got very good experience while presenting ideas and they have tried their best levels in the idea presentation.



*Picture: Inauguration, Offline presentation, demonstration and evaluation of ideas.*



*Bhargava e.*

**IIC President  
Dr. Mukund Harugade**

**Credit: Report Prepared by Mrs. D. D. Dhokate (Computer and Science Engg.)**

**Report edited by Dr. M. L. Harugade & Mrs. T. S. Upadhye**



## REPORT

### **Title:**

A session on Insights into Intellectual Property Rights organized by IIC (22<sup>nd</sup> March 2024)

### **Objective:**

To provide insights into filling for IPR.

### **Benefit:**

1. More than hundred third year students attended workshop on IPR.
2. Students learned about types of intellectual property rights and its importance.
3. Students got awareness about the process of filling IPR.

### **Detailed Report on the IPR Filing Session:**

On March 22, 2024, the IIC of PVPIT, Budhgaon organized an insightful and informative session on Insights of Intellectual Property Rights (IPR), aimed at third-year engineering students. The purpose of this session was to inspire students to explore the possibility of filing Intellectual Property Rights for their academic and innovative projects, fostering a culture of innovation and legal protection within the institution.

Mr. Dhruv Bramhbhatt, Managing Director of Mycrave Consulting and Services, a reputable consulting company with an emphasis on intellectual property management, conducted the session. Mr. Bramhbhatt imparted his vast expertise on the several types of intellectual property rights, such as utility patents, designs, trademarks, copyrights, and patents. In his talk, he discussed the fundamentals of intellectual property rights (IPR) and their significance, especially in the fiercely competitive innovation-driven market of today. He emphasized the importance of protecting one's intellectual property for future professional and business endeavors, in addition to serving as a safeguard for one's inventions.

The chief operating officer of Mycrave Consulting and Services, Miss Pooja Menon, then gave an extensive explanation of the IPR filing procedure. She concentrated on the finer points of submitting applications for trademarks, copyrights, and utility and design patents. Her

*Credit: Report Prepared by Mr. V. S. Kore (Chemical Engg.)*

*Report edited by Dr. M. L. Harugade & Mrs. T. S. Upadhye*





talk was intended to help students learn how to safeguard their original and creative works step-by-step by simplifying the intricate filing procedures.



**Picture:** Mr. Dhruv Bramhbhatt and Miss Pooja Menon addressing students during IPR session

**Credit:** Report Prepared by Mr. V. S. Kore (Chemical Engg.)

Report edited by Dr. M. L. Harugade & Mrs. T. S. Upadhye



Students were better able to understand the actual actions involved in submitting applications for different forms of intellectual property protection thanks to Miss Menon's live explanation of the IPR filing process. She stressed the value of securing legal protection for one's creations, pointing out that an idea or invention left unprotected is open to theft or copying. The experts explained that by increasing the number of patent filings, India could improve its global IPR ranking and competitiveness.

A number of students asked questions about copyrights, patentability of ideas, and the legitimacy of patents during the interactive section of the class. Each question was carefully answered by the speakers, who offered direction and clarification. They clarified the complexity involved in evaluating whether an idea or innovation is eligible for patent protection as well as the actions required to make sure it complies with all legal requirements. After the event, the students' interactions with the experts gave them a better understanding of the IPR environment and enabled them to investigate whether turning their initiatives into patented assets was feasible.

All in all, the session gave the students a thorough understanding of the IPR filing procedure and inspired them to think about formally securing intellectual property rights for their inventions.



*IIC President*  
**Dr. Mukund Harugade**



## REPORT

### Title:

Motivational story of **SAEINDIA Office Bearer Keshav Tamhankar** (Visit and Lecture).  
(27-03-2024)

### Objective:

- To provide an overview of the visit by SAEINDIA Office Bearer Keshav Tamhankar to our institution.
- To highlight the informative lecture delivered on SAEINDIA College Clubs and student activities.
- To summarize the insights shared on the latest trends and technologies in the automotive sector.
- To capture the key takeaways and benefits derived from the visit.

### Benefits:

- Exposure to SAEINDIA and its initiatives.
- Understanding of the opportunities available for students through SAEINDIA College Clubs.
- Insights into the latest trends and technologies in the automotive sector.
- Networking and interaction with industry experts.
- Motivation and inspiration for students to pursue careers in the automotive field.

### Overall Report:

**Date:** 27/3/24 **Time:** 1pm to 5 pm

**Attendees:** All mechanical engineering students

### **Key Highlights:**

- **Lecture by Keshav Tamhankar:**
  - Introduction to SAEINDIA and its mission.

*Credit: Report Prepared by Mr. Amar. S. Patil (Mechanical Engineering)*

*Report edited by Dr. M. L. Harugade & Mrs. T. S. Upadhye*





- Overview of SAEINDIA College Clubs and their activities.
- Importance of student involvement in extracurricular activities.
- Career opportunities in the automotive industry.
- Latest trends and technologies in the automotive sector.
- Discussion on SAEINDIA competitions like Baja SAE, Formula SAE, etc.
- **Visit to the SAE Project Workshop:**
  - Demonstration of the Baja SAE vehicle.
  - Explanation of the design, fabrication, and testing processes.
  - Interaction with students involved in the project.
  - Discussion on the challenges and learnings from the project.

**Overall Impressions:** The visit by Keshav Tamhankar was a valuable experience for our students. The lecture provided valuable insights into SAEINDIA and the opportunities it offers. The visit to the SAE Project Workshop gave students a firsthand look at the practical application of engineering principles. The event has motivated students to participate in SAEINDIA activities and pursue careers in the automotive industry.



**Picture:** Mr.Keshav Tamhankar while discussing the SAEINDIA activity .





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**Picture:** Mr.Keshav Tamhankar while observing ATV participated in BAJA2024.



*Harugade e.*

**IIC President**  
**Dr. Mukund Harugade**



## REPORT

### Title:

Faculty and student visit to an Incubation center on 30<sup>th</sup> April 2024 organized by IIC.

### Objective:

The objective of the visit to an Incubation center is to get an idea and knowledge about various Government funding agencies to solve the real-time problems with innovative minds and critical thinking.

### Benefits:

1. Inspiration: To get the funding from various government and private agencies for development of products with the multidisciplinary approach.
2. Startup and business approach: To develop an approach about the startup and business through innovative ideas.
3. Skill Development: Acquire the knowledge about proposal writing and providing solutions to the society through Startups.

### Overall Report:

The NETRARIT Foundation NRiT RIT-TBI is the Section 8 Company, funded by MSInS (Maharashtra State Innovation Society, GoM), registered with the Registrar of Companies [ROC], Government of India and plays a leadership role in Western Maharashtra for Development of an Incubation Centre with the vision.

Mrs D. D. Dhokate, Assistant Professor, Department of CSE, Padmabhooshan Vasantraodada Patil Institute of Technology, Budhgaon (Sangli) has visited to Incubation Center of RIT, Sakharale on 30<sup>th</sup> April 2024. She got very good experience while getting the ideas about the process of Incubation center. They have incubated various start up projects developed by



students, faculty as well as the industrialists. The discussion of various funding schemes was discussed with Mr. Harshal Patil, Incubation Manager RIT TBI.

Objectives of the Incubation center are:

- To transform engineering campus into Product Innovation Centre (PIC).
- To promote multi-disciplinary students' projects.
- To develop locally customizable (market driven) models to solve real problems.
- To design Skill Based Courses.
- To conduct Incubator Programs for its sustainability.



**Picture:** Visit to the incubation center with Mr. Harshal Patil, Incubation Manager NRiT



*Bhargava e.*

**IIC President**  
**Dr. Mukund Harugade**

**Credit:** Report Prepared by **Mrs. D. D. Dhokate** (Computer science and Engg.)

Report edited by **Dr. M. L. Harugade & Mrs. T. S. Upadhye**



## REPORT

### **Title:**

Field exposure visit at tCognition, Kolhapur, Maharashtra (3<sup>rd</sup> May 2024).

### **Objective:**

1. To create a brief idea about working environments, project management, skill development.
2. To give Industrial exposure.

### **Benefits:**

1. Recent trends in IT Industry.
2. Different departments of Industry such as development, testing, management, HR etc.
3. Working and importance of each department present in the company.
4. Challenges while working on actual projects.

### **Visit Summary:**

This one-day Industrial Visit for students provides in-depth knowledge about working culture of tCognition and careers with necessary distancing and proper sanitization. It was an absolute free Industrial Visit. Also, it was strictly a non-advertising workshop and Industrial Visit. Industrial visit was being held at Kolhapur where students got an opportunity to acquire live theoretical and practical knowledge on recent trends in IT industry.

### **Session 1: Presentation about Latest Technology & work in IT world**

Mr. Aniket Dange had given welcome speech & also given introduction about the company. He has explained about different technologies available for computer engineers. Also explained in detail about various platforms available for web development, software development, mobile application development. He explained history of company, which type of the facilities they are





providing to the clients & also explained an importance about digital marketing & social marketing.

### **Session 2: Experience Zone**

During this session all the students have visited company where all the employees are doing work. HR manager had explained about all the departments of the company. Departments are namely Web Development, Digital Marketing, Android Development IOS Development, QA & Project Planning & more than 100 Employees are working there. Really this was a fruitful visit for our students because they explained to our students how they are working & about an industry atmosphere & about technology. Students were very excited to know this information.

### **Session 3: Question Answer (QA)**

In this session, they asked to students if anybody having doubt in any projects related or any specifications. During the Interaction between industry expert & our students they guided to all the students about how to get selected for Internship in the same company through pool drive.

The main aim of industrial visits is to give exposure to the students about the practical working environment with theoretical learning. They provide students a good opportunity to achieve full awareness about industrial practices and working. About 60 students of 6th Semester computer sciences and Information Technology and faculty mentors Mrs. M. M. Raste and Mrs. A. G. Chendke benefited from this visit as they got a chance to discuss with the center head and other engineers working at tCognition. Students learned the atmosphere and working culture which is shows the success of this visit.



**Picture:** Presentation by Mr. Aniket Dange (Sr. Reruiteer, tCognition, Kolhapur.)



**Picture:** Field Visit at “at tCognition”, Kolhapur.



*Mukund e.*

**IIC President  
Dr. Mukund Harugade**

**Credit:** Report Prepared by **Mrs. T. S. Upadhye (AI & DS.)**

Report edited by **Dr. M. L. Harugade**



## REPORT

### **Title:**

Two days' workshop on Software Testing (10<sup>th</sup> and 11<sup>th</sup> May 2024) organized by Electronics and computer Engg. and IIC.

### **Objective:**

To enable students to understand the concepts of software testing and apply them effectively.

### **Benefit:**

1. 65 Students attended the hands on sessions on software testing
2. Concept of regression and retesting was discussed.
3. Students learned the manual and automatic software testing techniques.
4. J-meter tools is explored during practical sessions.

### **Overall Report:**

On 10th and 11th May 2024, two days workshop on "Software Testing" was organized and coordinated by Dr. A. B. Shinde, (IIC committee member) for third year Electronics and Computer engineering students. This workshop was aimed to address the critical aspects of software testing, equipping third year student participants with the knowledge, skills, and techniques necessary to excel in this field.

The experienced industry professional was invited as resource person for the said workshop. Mr. Suyog Sanjay Shah, Test Engineer, Mphapsis conducted all the sessions. Students got the opportunity to actively participate in discussions and network with peers, fostering a collaborative learning environment.

Following points are discussed and demonstrated during the session.

#### **10th May 2024**

1. Software testing Basics
2. Functional and Non Functional Testing
3. User acceptance testing and Q&A

#### **11th May 2024**

1. Regression and Retesting

*Credit: Report Prepared by Dr. A. B. Shinde (Electronics and Computer Science Engg.)*

*Report edited by Dr. M. L. Harugade & Mrs. T. S. Upadhye*



2. Performance testing , Testing Terminologies (Adhoc, exploratory Testing)
3. J-Meter Tool demo, Automation testing Demo
4. Hands on sessions.



*Picture: Mr. Suyog Sanjay Shah while discussing the need of software testing .*



*Picture: Mr. Suyog Sanjay Shah while showing the practical demonstration.*



*IIC President  
Dr. Mukund Harugade*





## REPORT

### **Title:**

Field exposure visit at One Star Software Solutions, Sangli. (11 May 2024)

### **Objective:**

The objective of the field visit is,

- 1.To provide students an insight regarding internal working of company.
- 2.To know things practically through interaction, working methods and employment practices.

### **Benefits:**

1. Get awareness about new technologies.
2. Different departments of Industry such as development, testing, management, HR etc.
3. Working and importance of each department present in the company.
4. Provide an exposure to students about practical working environment.
5. Gain a combined knowledge about both theory and practice.

### **Visit Summary:**

This one-day Industrial Visit for students provides in-depth knowledge about working culture of One Star Software Solutions and careers with necessary distancing and proper sanitization. It was an absolute free Industrial Visit. Also, it was strictly a non-advertising workshop and Industrial Visit. Industrial visit was being held at Sangli where students got an opportunity to acquire live theoretical and practical knowledge on recent trends in IT industry.

### **Session 1: Presentation about Latest Technology & work in IT world**

Mr. Shreyas Mane had given welcome speech & also given introduction about the company. He has explained about different technologies available for computer engineers. Also explained in



detail about various platforms available for web development, software development, mobile application development. He explained history of company, which type of the facilities they are providing to the clients & also explained an importance about digital marketing & social marketing.



**Picture:** Presentation by Mr. S. G. Mane (CEO, One Star Software Solutions, Sangli.)

## Session 2: Experience Zone

During this session all the students have visited company where all the employees are doing work. Mr. Shreyas Mane had explained about all the departments of the company. Departments are namely Web Development, Digital Marketing, Android Development IOS Development, QA & Project Planning & more than 100 Employees are working there. Really this was a fruitful visit for our students because they explained to our students how they are working & about an industry atmosphere & about technology. Students were very excited to know this information.

## Session 3: Question Answer (QA)

**Credit:** Report Prepared by Mrs. T. S. Upadhye (AI & DS)

Report edited by Dr. M. L. Harugade



In this session, they asked to students if anybody having doubt in any projects related or any specifications. During the Interaction between industry expert & our students they guided to all the students about how to get selected for Internship in the same company through pool drive.

The main aim of industrial visits is to give exposure to the students about the practical working environment with theoretical learning. They provide students a good opportunity to achieve full awareness about industrial practices and working. About 60 students of 6th Semester computer sciences and Information Technology and faculty mentors Mrs. A. G. Chendke and Mrs. S. S. Patil benefited from this visit as they got a chance to discuss with the center head and other engineers working at One Star Software Solutions. Students learned the atmosphere and working culture which shows the success of this visit.



**Picture:** Attendees at One Star Software Solutions, Sangli.



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**Dr. Mukund Harugade**

**Credit:** Report Prepared by **Mrs. T. S. Upadhye (AI & DS)**

Report edited by **Dr. M. L. Harugade**



## REPORT

### **Title:**

Orientation program on Design in AutoCAD for SY-Civil and SY-Mechanical organized by Civil department and IIC (02/02/2024 to 13/05/2024, 2 Hrs./Week)

### **Objectives:**

- 1) To bridge the gap between academic and industry requirement.
- 2) To learn to draw Civil and Mechanical Engineering Drawing.
- 3) To interpret Civil and Mechanical Engineering Drawing

### **Benefits:**

**Enhanced understanding of Civil Engineering drawing:** This training has provided students with hands-on experience and visual learning which enhances their understanding of Civil and Mechanical Engineering Drawing beyond theoretical knowledge.

**Meeting industrial requirement:** Students gained exposure to real-world industrial requirement which could help to bridge a gap between academic and Industry need.

**Practical application concepts of Civil Engineering drawing:** This training enabled students to connect theoretical concepts learned in the classroom with practical applications.

### **Overall Report:**

This AutoCAD Software training is not a part of university syllabus. From 2/2/24 to 13/5/24 this training had been conducted at Civil Engineering department of PVPIT Budhgaon. Mrs. S. M. Patil, Assistant Professor, Civil Eng. Department had conducted lecture and hands on training. This training is helpful for students to improve extracurricular activity. Which bridges a gap between academics and industry need.

In Civil and Mechanical Engineering Industry, drawing is necessary to draw, which help us to landscape the ground which will result in proper usage of land along with proper planning which tends to improve workability and ease of getting a job done. While using this AutoCAD Software students can easily make any fruitful alterations. This enhances drawing skill and sustainable planning ability of student. At the time of training regularly Q&A session had been





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conducted to get a comprehensive understanding and its significance in application of software.





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**Credit:** Report Prepared by **Mr. V. G Sawant** (Civil Engg.)

Report edited by **Dr. M. L. Harugade** & **Mrs. T. S. Upadhye**



## REPORT

### Title:

Two days' workshop on "IoT Using Node MCU & Paspberry Pi" (15<sup>th</sup> and 16<sup>th</sup> May 2024)

### Objective:

After completion of this workshop students will be able to:

1. Operate raspberry Pi microcontroller
2. Interface the peripherals to Node MCU and validate the output

### Benefit:

1. 68 Students attended the workshop.
2. Student are able to design and the build the projects based on IoT concepts.
3. Students learnt the interfacing of peripherals with node MCU and raspberry pi  $\mu$ C.
4. Students are able to call the data read from sensors to ThingSpeak Platform.

### Overall Report:

**Dr. Kishor K. Pandyaji** and **Dr. A. B. Shinde** (IIC committee member) successfully coordinated two days workshop on "IoT Using Node MCU & Paspberry Pi" between 15<sup>th</sup> and 16<sup>th</sup> May 2024 for third year Electronics and Computer engineering students. This workshop was organized to equip students with more hands on training on IoT tools to excel them in this field.

The proficient industry professionals Mr. Yash Chavan and Mr. Nilesh Bavdhankar from Logibit Technologies, Sangli were invited as resource person for the said workshop. Students got the opportunity to interact with the industry professionals and build the projects based on IoT platform.

Following points are discussed and demonstrated during the session.

#### **15<sup>th</sup> May 2024**

1. Intro to Embedded Systems and Node MCU
2. Serial communication
3. Interfacing of flame sensor, ultrasonic sensor, DHT 11 sensor and 5 V relay module



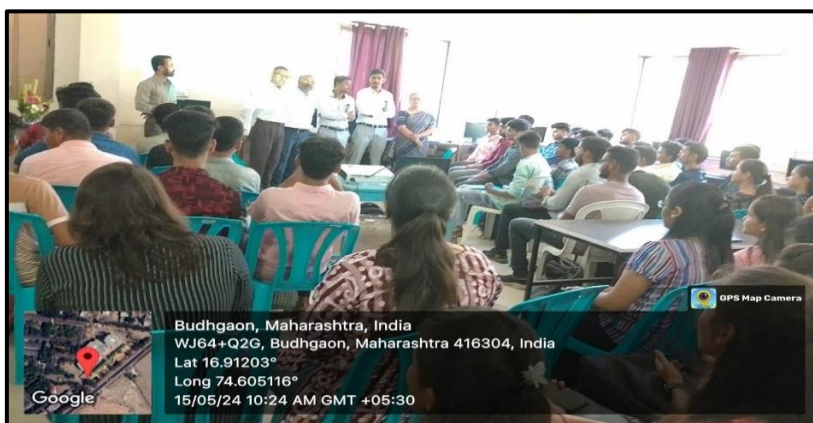


**16<sup>th</sup> May 2024**

1. ThingSpeak Platform, Sending Data from Node MCU to ThingSpeak
2. Adafruit Platform, Operate LED remotely over the Internet using Adafruit IO
3. Raspberry Pi and its basic operations
4. Sensors interfacing with Raspberry Pi.



*Picture: Mr. Nilesh Bavdhankar while delivering the session.*



*Picture: Inauguration of workshop*



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**IIC President**  
**Dr. Mukund Harugade**





## REPORT

### **Title:**

Poster Presentation Competition organized by First Year Engg. and IIC (17<sup>th</sup> May 2024)

### **Objective:**

A poster presentation is a way to communicate your research or your understanding of a topic in a concise and visually engaging format.

- To spread awareness of the significance of scientific applications in the daily life of the people.
- To promote knowledge and critical thinking
- To encourage creativity and innovation
- To provide a learning opportunity

### **Benefits:**

Poster presentation offer increased visibility for student's research. By presenting her work in a visually appealing format, they can attract the attention of fellow researchers and potential collaborators. Another benefit is that it provides an excellent networking opportunity. By preparing and delivering a poster presentation, students can practice how to summarize, organize, and explain his work in a clear and engaging way. Students can also learn how to adapt his style and language to different audiences and situations, and how to handle questions and comments effectively.

### **Overall Report:**

Poster Presentation competition organized by First year engineering department along with IIC-PVPIT on 17<sup>th</sup> May 2024. Poster presentation competitions raise awareness of issues and participation programs. Posters provide visual, colorful, simple ways to communicate community issues and events, and are suitable for display in community spaces.

The topics for poster presentation were as follows:

A. Climate change facts and impact,

*Credit: Report Prepared by Mr. Anis A. Shaikh (First Year Engg.)*

*Report edited by Dr. M. L. Harugade & Mrs. T. S. Upadhye*



- B. Water conservation,
- C. AI and machine learning,
- D. Recycling and waste reduction and renewable energy.

The purpose behind organizing this competition was to encourage the students to come up with new and innovative ideas and to enhance their thinking skills. Total 42 teams from different colleges participated in the event.



**Picture: Poster presentation competition participants**

The posters were visually appealing informative and highlighted the participant's ability to think

**Credit: Report Prepared by Mr. Anis A. Shaikh (First Year Engg.)**

Report edited by **Dr. M. L. Harugade & Mrs. T. S. Upadhye**



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critically and present complex ideas in an easily understandable format. The format for posters as well as rules to be followed for presentation was communicated to students well in advance of the competition. Rubrics for evaluation of posters were formed.

The judges for both competitions were impressed by the participants' enthusiasm, knowledge and creativity. They praised the participants for their excellent teamwork, dedication and hard work in preparing for the competition.

The competition not only provided an excellent learning opportunity for the participants but also encouraged them to pursue their interests and develop their skills further. This poster presentation competition coordinated by Mr. Anis A. Shaikh and all other faculty members, volunteers and non-teaching staff worked hard to make the event a grand success.



*B. Harugade*

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## REPORT

### Title:

Programming competition **SCIPY** organized by CSE (AIDS) department along with IIC on 17<sup>th</sup> May 2024.

### Objective:

The aim of SCIPY is to motivate students to use their technological expertise to tackle real-world issues using creativity and critical thinking.

### Benefits:

1. **Boost Programming Skills:** Students were thinking with the innovation and problem-solving approach through their innovative ideas.
2. **Skill Development:** Through the use of various programming Platforms, the curriculum assisted in the development of critical thinking, problem-solving, communication, and leadership—all crucial entrepreneurial abilities.
3. **Inspiration:** Through the phase of Innovative program building student are encouraged for critical thinking through problem solving approach.

### Overall Report:

Our CSE (AIDS) department of Padmabhooshan Vasantraodada Patil Institute of Technology, Budhgaon (Sangli) had organized a Programming Event SCIPY on 17<sup>th</sup> May 2024 in offline mode. Total 34 students were participated for this event and & are selected for final round.

This event includes technical questions solving with fun tasks. It contains 3 rounds. It can participate individually.

Coordination and smooth execution of this event was done by HOD CSE (AIDS) and Event Convenor Mrs. Tejaswini Upadhye, student representatives Ms. Prajкта Suryavanshi under the guidance Principal Dr. B. S. Patil and all IIC members, PVPIT, Budhgaon.





The Judges for Final Round Evolution is Mr. Yash Chavan & Mr. Nilesh Bavdhankar from LOGIbit Technologies Pvt. Ltd. Sangli. With immense presence of judges, they boosted the competitive spirit among the participants so they could kick start their work with enthusiasm.

Students got very good experience while participating in programming activities and they have tried their best levels in Logic building and application.



*Picture: Students and Faculty members at SCIPY Event*



*IIC President  
Dr. Mukund Harugade*



## REPORT

### Title:

Programming competition TECHNOVA-C organized by CSE and IIC on 17<sup>th</sup> May 2024.

### Objective:

The aim of TECHNOVA-C is to motivate students to use their technological expertise to tackle real-world issues using creativity and critical thinking.

### Benefits:

1. Boost Programming Skills: Students were thinking with the innovation and problem-solving approach through their innovative ideas.
2. Skill Development: Through the use of various programming Platforms, the curriculum assisted in the development of critical thinking, problem-solving, communication, and leadership—all crucial entrepreneurial abilities.
3. Inspiration: Through the phase of Innovative program building student are encouraged for critical thinking through problem solving approach.

### Overall Report:

Our CSE department of Padmabhooshan Vasantraodada Patil Institute of Technology, Budhgaon (Sangli) had organized a Programming Event TECHNOVA-C on 17<sup>th</sup> May 2024 in offline mode. Total 50 students were participated for this event and & are selected for final round.

This event includes technical questions solving with fun tasks. It contains 3 rounds. It can participate individually.

### **Round I: Snippets & Quiz**

There is a question paper of 30 questions, and each question has four options. Each question carries 2 marks

### **Rules:**

*Credit: Report Prepared by Mrs. M. S. Patil (Computer Science Engg.)*

*Report edited by Dr. M. L. Harugade & Mrs. T. S. Upadhye*



1. A total of 30 questions will be asked
2. For every correct answer will get 2 points.
3. The time limit is 30min.
4. The total weightage to the first round is 60 points.

### **Round II: Complete the Program**

The problem statement and output of the program are provided with a partially completed program. You should complete their program and run it successfully.

#### **Rules:**

1. Setup will be provided by our team.
2. Every candidate completes the task in the given time.
3. 10 students will be selected from this round.
4. The decision made by the supervisor will be the final decision.

No further changes will be entertained in the results.

### **Round III: Hands-on Coding**

Problem statements with test cases and the output of the program will be provided.  
The candidate should pass maximum test cases.

#### **Rules:**

1. Setup will be provided by our team.
2. Every candidate must complete the task in the given time.

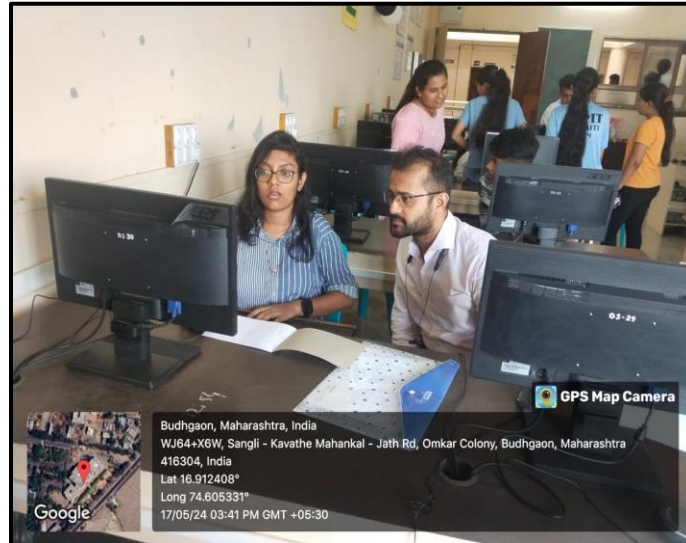
Coordination and smooth execution of this event was done by HOD CSE and Event Convenor Mrs. M. S. Patil, student representatives Ms. Anuja Kanase under the guidance Principal Dr. B. S. Patil and all IIC members, PVPIT, Budhgaon. The Judges for Final Round Evolution is Mr. S. G. Mane from One Star Software Solutions, Sangli. With immense presence of judges, they boosted the competitive spirit among the participants so they could kick start their work with enthusiasm.



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Students got very good experience while participating in programming activities and they have tried their best levels in Logic building and application.



**Picture: TECHNOVA-C student Participants and Faculty members**



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**IIC President  
Dr. Mukund Harugade**

**Credit:** Report Prepared by **Mrs. M. S. Patil** (Computer Science Engg.)

Report edited by **Dr. M. L. Harugade & Mrs. T. S. Upadhye**





## REPORT

### Title:

Celebration of Biodiversity Day organized by E & Tc, Chemical, First Year and IIC. (22-05-2024)

### Objective:

- Students will be able to learn through understanding the fundamental laws and international agreements governing biodiversity conservation and sustainable assimilation.
- Students will develop abilities to critically analyze biodiversity-related legal issues and apply appropriate legal principles to address these issues effectively.
- .Students will gain knowledge of various conservation strategies and actions being taken globally and locally to preserve biodiversity.
- Students will be able to explain the significance of biodiversity and its essential role in maintaining ecosystem health, stability, and resilience.

### Benefits:

- Students will be able to apply legal principles to real-world scenarios involving biodiversity conservation. This includes the ability to analyze case studies, identify legal issues, and propose solutions based on existing laws and regulations. They will also learn how to navigate legal frameworks to advocate for and implement biodiversity conservation projects effectively.
- Students will learn about the different factors contributing to the decline in biodiversity and be able to discuss real-world examples of these threats and their impacts on ecosystems and species.
- Students should be able to outline key conservation approaches, such as protected areas, restoration ecology, sustainable resource management, and community



engagement, and understand how these strategies can be implemented to mitigate biodiversity loss.

- By the end of the lecture, students should be able to articulate the various ecosystem services provided by biodiversity, such as pollination, water purification, and climate regulation, and understand the consequences of biodiversity loss.

### **Overall Report:**

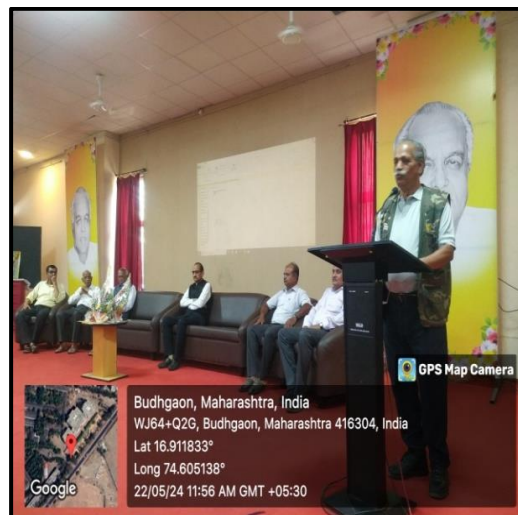
An organized lecture on biodiversity was conducted in association with the District Legal Services Authority and Padmabhushan Vasanthaodada Patil Institute of Technology, Budhgaon (Sangli) on Wednesday, May 22, at 11 am. The keynote speaker was Prof. Mohan Madavanna, retired Head of the Department of Zoology at Dayanand College, Solapur.

Mr. Praveen Nardele, Secretary of the Legal Services Authority, chaired the event. Other attendees included Mr. Vijay Kognole, a member of the Legal Services Authority, along with Principal Dr. B.S. Patil, and professors Dr. Sanjay Bhagat, Dr. M.S. Chavan, Dr. P.B. Dhanke, Mr. Dinesh Shirsat, and Dr. Mrs. A.A. Patil of the college. The event was attended by 230 students and faculty members.

On May 22, 2024, Prof. Mohan Madavanna delivered an enlightening guest lecture at Padmabhushan Vasanthaodada Patil Institute of Technology, Budhgaon (Sangli). The session highlighted the importance of biodiversity, explaining its role in maintaining ecological balance and supporting human well-being. Key threats such as habitat loss, climate change, and pollution were discussed, alongside their impact on ecosystems. The lecture provided insights into international and national legal frameworks like the Convention on Biological Diversity and the Nagoya Protocol. An engaging Q&A session followed, where participants discussed conservation strategies. The event successfully raised awareness about biodiversity conservation and inspired attendees to take action. Future workshops and advocacy campaigns were recommended to build on this knowledge.



### Glimpses of Celebrating Biodiversity Day Programme:



Mr. Pravin Nardele, in his Chair's remarks, stated, "On Biodiversity Day, we celebrate the incredible diversity of life that sustains our planet. Our legal systems play an important role in protecting these natural treasures. Let us commit to enacting laws that protect biodiversity for future generations."

The Biodiversity program was moderated by Assistant Professor Mrs. Smita Mandale, and the vote of thanks was presented by Mr. Nitin Ambekar.



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Dr. Mukund Harugade*



## REPORT

### Title:

Field exposure visit at Chitale Dairy, Bhilawadi. (22 May 2024)

**Faculty members:** Mr. Amarsingh S. Patil and Mr. Sandesh S. Awati.

### Objective:

The objective of the field visit is,

- 1.To provide students an insight regarding internal working of company.
- 2.To know things practically through interaction, working methods and employment practices.

### Benefits:

1. Get awareness about new technologies.
2. Different departments of Industry such as development, testing, management, HR etc.
3. Working and importance of each department present in the company.
4. Provide an exposure to students about practical working environment.

### Visit Summary:

**Chitale Dairy** is a prominent dairy processing facility specializing in milk, cheese, yogurt. The facility operates with state-of-the-art technology and adheres to stringent quality and safety standards. The visit provided a comprehensive view of the dairy's operations from milk collection to final product packaging.

### **Milk Collection and Reception**

The visit began with a tour of the milk reception area, where raw milk is received from local dairy farms. The process includes:

- **Inspection:** Raw milk is tested for quality and safety parameters, including bacterial count and fat content.

*Credit: Report Prepared by Mr. Amar Patil (Mechanical Engg.)*

*Report edited by Dr. M. L. Harugade*





- **Storage:** Milk is stored in refrigerated tanks to maintain freshness before processing.

### Processing and Pasteurization

Next, we observed the processing area where milk undergoes pasteurization to eliminate harmful microorganisms. Key stages include:

- **Pasteurization:** Milk is heated to a specific temperature to kill bacteria, followed by rapid cooling.
- **Homogenization:** The milk is processed to ensure a uniform consistency by breaking down fat molecules.

### Packaging and Distribution

The final stage of the visit focused on packaging and distribution:

- **Packaging:** Pasteurized milk is filled into bottles or cartons in a sterile environment to prevent contamination.
- **Quality Control:** Each batch is tested to ensure it meets quality standards before distribution.
- **Distribution:** Packaged products are stored in cold storage and dispatched to retailers.

The industrial visit to **Chitale Dairy** was highly educational and insightful. It provided a practical understanding of the dairy production process, from milk reception to final product packaging. The use of advanced technology and adherence to quality standards were particularly noteworthy. The experience enriched our knowledge and provided valuable insights into potential career opportunities within the dairy industry.



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**Picture:** Students and Faculty Members at Chitale Dairy, Bhilwadi, Sangli.



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**IIC President**  
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## REPORT

### Title:

Workshop on IOT organized by Computer Science Engg. and IIC (24<sup>th</sup> May 2024 to 25<sup>th</sup> May 2024)

### Objective:

- Ensure students grasp the basic principles of IoT, including its definition, history, and significance.
- Familiarize students with the core technologies that enable IoT systems.
- Provide hands-on experience with building and programming IoT devices.
- Educate students on how to manage and analyze data generated by IoT devices.

### Benefits:

#### **1. Hands-on Experience**

- Workshops typically provide practical, hands-on experience with IoT devices and platforms. This allows you to build, configure, and deploy IoT solutions, which is crucial for understanding the technology beyond theoretical knowledge.

#### **2. Up-to-date Knowledge**

- IoT is a rapidly evolving field. Workshops are often designed to cover the latest trends, technologies, and tools, helping you stay current with the latest advancements.

#### **3. Networking Opportunities**

- Attending a workshop allows you to meet like-minded individuals, including industry experts, practitioners, and other learners. This can lead to collaborations, mentorship, and career opportunities in the IoT space.



### **Overall Report:**

The workshop on IOT was organized by PVPIT-Budhgaon. It was a resounding success, attracting enthusiastic participation from students across disciplines. Prof. Dr. S. N. Kore, Mrs. D. D. Dhokate (HOD-CSE), Ms. R. J. Jagtap (HOD-AIDS) all the faculties and IIC members along with 73 students of CSE disciplines were attended the session.

Understanding embedded systems, controllers, and development platforms like Node MCU and Arduino IDE is crucial for designing and implementing effective IoT solutions. Node MCU offers a versatile platform with integrated Wi-Fi capabilities, while the Arduino IDE provides a user-friendly environment for programming and interfacing with microcontrollers. Together, they facilitate the development of innovative embedded applications.



***Picture: Attendees of workshop***





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*Picture: Attendees of workshop*



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*IIC President  
Dr. Mukund Harugade*

*Credit: Report Prepared by Mrs. M. S. Patil (Computer Science Engg.)*

*Report edited by Dr. M. L. Harugade & Mrs. T. S. Upadhye*