



SAMARTH EDUCATIONAL TRUST

## ARVIND GAVALI COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi, Recognized by Govt. of Maha. DTE Mumbai & Affiliated to MSBTE Mumbai, Dr. Babasaheb Ambedkar Technological, University Lonere

• AICTE ID: 1-4210711 • AISHE Code: C-11245 • DTE Code: EN-6545 • DBATU Code: 6545 • MSBTE Code: 1617  
• NBA Accredited • NAAC Accredited

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### ICT Panel Photo





SAMARTH EDUCATIONAL TRUST

ARVIND GAVALI COLLEGE OF ENGINEERING, SATARA

NAAC and NBA Accredited



## DEPARTMENT OF CORE SCIENCE AND ENGINEERING

### ICT TOOLS FOR TEACHING LEARNING PROCESS 2023-24

Information and Communication Technology (ICT) tools play a significant role in modernizing and enhancing the teaching and learning process. By incorporating ICT, educators can improve student engagement, increase access to information, and create a more dynamic learning environment. Below are some key ICT tools used in the teaching and learning process, along with their objectives and outcomes:

#### ICT Tools for Teaching and Learning Process:

##### 1. Learning Management Systems (LMS)

- **Examples:** ERP, Moodle, Google Classroom, Canvas, Blackboard
- **Objectives:**
  - Facilitate communication between teachers and students.
  - Manage assignments, grades, and course content in a central platform.
  - Track student progress and performance.
- **Outcomes:**
  - Improved organization and accessibility of course materials.
  - Enhanced collaboration and engagement among students and instructors.
  - Streamlined tracking of student progress.

##### 2. Presentation Software

- **Examples:** Microsoft PowerPoint, Google Slides
- **Objectives:**
  - Deliver structured lessons using visual aids and multimedia.
  - Enhance student comprehension through the integration of visuals and animations.
- **Outcomes:**
  - Increased student attention and retention.
  - A more interactive and visually stimulating learning experience.

##### 3. Interactive Whiteboards

- **Examples:** SMART Boards



- **Objectives:**
  - Promote interactive learning through touch-based activities.
  - Facilitate collaborative lessons and group activities.
- **Outcomes:**
  - Enhanced participation and interactivity in lessons.
  - Improved student engagement and collaboration.

#### 4. Collaborative Tools

- **Examples:** Google Docs, Microsoft OneNote,
- **Objectives:**
  - Foster collaboration among students on projects and assignments.
  - Allow real-time editing and feedback on documents and presentations.
- **Outcomes:**
  - Improved teamwork and communication skills.
  - Increased student involvement in shared learning experiences.

#### 5. Video Conferencing Tools

- **Examples:** Zoom, Microsoft Teams, Google Meet
- **Objectives:**
  - Conduct virtual classes, meetings, and discussions.
  - Promote distance learning and global collaboration.
- **Outcomes:**
  - Enhanced access to education for remote or non-traditional students.
  - More flexible and convenient learning environments.

#### 6. E-Books and Digital Libraries

- **Examples:** Google Books, Project Gutenberg
- **Objectives:**
  - Provide students with access to a vast array of digital resources, textbooks, and journals.
  - Support independent learning and research.
- **Outcomes:**
  - Improved access to up-to-date information and resources.
  - Encouraged self-paced learning and research.



#### 7. Simulation and Virtual Labs

- **Objectives:**
  - Provide students with virtual experiences for science, engineering, and other practical subjects.
  - Allow experimentation in a controlled, risk-free environment.

- **Outcomes:**

- Enhanced understanding of complex concepts through practical application.
- Increased engagement in subjects that traditionally require hands-on experiences.

## 8. Social Media and Communication Platforms

- **Examples:** Twitter, Facebook Groups

- **Objectives:**

- Facilitate communication and discussion outside of traditional classroom settings.
- Engage students in real-world conversations and knowledge-sharing.

- **Outcomes:**

- Strengthened student-teacher relationships.
- Increased student motivation to engage in learning outside class hours.

### Overall Objectives and Outcomes of Using ICT in Teaching and Learning:

#### Objectives:

- **Enhance Engagement:** Make lessons more interactive and stimulating through multimedia and collaborative tools.
- **Increase Access:** Provide students with greater access to resources and learning materials online.
- **Personalize Learning:** Tailor learning experiences to meet the diverse needs of students, promoting self-paced learning.
- **Promote Collaboration:** Foster teamwork and communication among students and teachers.
- **Support Remote Learning:** Enable distance learning and virtual classrooms, ensuring education is accessible to all students, regardless of location.

#### Outcomes:

- **Improved Learning Outcomes:** Enhanced retention, understanding, and application of knowledge.
- **Increased Motivation and Participation:** Students are more engaged when technology is integrated into their learning.
- **Effective Assessment and Feedback:** Teachers can more efficiently assess and provide real-time feedback to students.
- **Better Collaboration:** Students and teachers can collaborate easily, regardless of physical location.
- **Preparation for Future Careers:** Exposure to modern tools and technologies prepares students for future workplace demands.

By strategically incorporating these ICT tools, educators can create more dynamic, flexible, and effective learning environments that cater to the diverse needs of students.



# ICT Register

2023-2024

Sr.No	Name of subject	Name of faculty	Date	time	sign
1.	Communication skills.	Ms. Nikita Bhilare	25/09/23	9.30 to 10.25	<u>[Signature]</u>
2	Dr. Madhuri More (EEE)	Dr. Madhuri More	25/09/23	11.20 to 12.15	<u>[Signature]</u>
3	M-I	Mr. Kasture A.D.	25/09/23	1.00 to 1.55	<u>[Signature]</u>
4	C.P.I.C	Gujar V.B	25/09/23	1.55 to 2.50	<u>[Signature]</u>
5	Chemistry	Mayur Jagtap	25/09/23	4.05-5.00	<u>[Signature]</u>
6	Comm. skills	ms. N.S. Bhilare	25/09/23	1.55 to 2.50	<u>[Signature]</u>
7.	C.P.I.C.	Gujar V.B.	26/09/23	10.25 to 11.20	<u>[Signature]</u>
8.	BEEE	Bhagyashree pol.	26/09/23	11.20 to 12.15	<u>[Signature]</u>
9.	EEE	Dr. Madhuri More	26/09/23	3.10 to 4.5	<u>[Signature]</u>
10.	M-I	Kasture A.D.	26/09/23	4.5 to 5.00	<u>[Signature]</u>
11.	comm. skills	N.S. Bhilare	27/09/23	9.30 to 10.25	<u>[Signature]</u>
12.	GPIC	Gujar V.B.	27/09/23	10.25 to 11.20	<u>[Signature]</u>
13.	BEEE	Mr. Pol. Bhagyashree	27/09/23	3.10 to 4.5	<u>[Signature]</u>
14.	M-I.	shinde.ss.	27/09/23	4.5 to 5.00	<u>[Signature]</u>
15.	chemistry.	Mayur Jagtap	28/09/23	9.30 to 10.25	<u>[Signature]</u>
16.	comm. skills	Nikita Bhilare	28/09/23	10.25 to 11.20	<u>[Signature]</u>

**Samarth Educational Trust  
Arvind Gavali College of Engineering  
Satara, Maharashtra, India**

**R&D and IPR Cell**

**Research and Development (R&D) Policy**

**Publications, Grants, Patents, Conference/FDP/STTP**

**Introduction**

Improving high-quality scientific research is a necessary requirement for creating successful applications. The objective of Research & Development (R&D) initiatives undertaken by the R&D and IPR Cell of Arvind Gavali College of Engineering, is to build research careers, internationalization of human potential, support to strengthen the knowledge foundation and promote the creation of new applications, as well as societal impact of education, research, and innovation. All education, research, and innovation of this institute aims to be of a high standard. The goal of creating technological and social innovation has emerged alongside R&D – based activities.

To achieve the high-quality research ambience, the following policies have been undertaken. A Research Development and Intellectual Property Rights Cell has been established that will prepare and implement the development of research and development activities within the institute.

The aim of the R&D and IPR Cell is:

**“To promote a research culture amongst the faculty members and students along with the necessary infrastructure and support facilities”**

The following objectives have been formulated:

- To cultivate strong research culture amongst faculty members and students.
- Motivate all faculties to pursue research in their respective areas of expertise.
- The provision of research and development opportunities for the academic staff.
- Monitor the utilization of research funds to ensure that the funds are properly and formally accounted for.
- Monitor and enhance the quality of research programs, projects, and the research infrastructure within the institute.
- Monitor the research performance of individuals, groups to encourage excellence and productivity through maintaining a database of research and development activities.
- Oversee the application of the Code of Research Ethics for the responsible practice of research.
- To formulate incentive schemes for promoting research activities among faculty and students/scholars.
- Promote durable partnerships and develop funding solutions with industries and research institutions.



## **Policy for organizing in-house Seminar/Conference/Workshop:**

### **Criteria for Facilitating Professional Development Programs for the Faculty:**

#### **Eligible Employees:**

AGCE employees with a regular and full-time appointment are eligible employees.

#### **Criteria for Funding:**

- The institute encourages faculty members to participate in conferences, seminars, symposia, FDPs, workshops, and training programs, etc. The institute also provides seed money to organize conferences, workshops, training programs, etc. to all academic departments. The concerned department is required to get the proposal for organizing the same approved initially from the R&D and IPR Cell of the institute. For availing the same, the institute provides the following guidelines and norms for associated support and on-duty leave for official purposes within or outside the country. Approval of competent authority is required to undertake any national/international travel for attending conferences/workshops.
- The college provides partial financial support and on-duty leaves for international/national travel requirements of its faculty from its own resources for attending conferences/seminars/workshops, in which the faculty member has to make an oral presentation (invited talk, paper, or poster).
- The faculty member must apply for such travel grant/registration fees.
- The research paper/poster/presentation should be with the institute affiliation.
- Funding may cover either of the registration fee, actual travel cost, and boarding/lodging and the same will be paid after the receipt is produced.
- The faculty members will be financially supported for registering in various professional membership bodies.

#### **Application Procedure:**

- Requests for leave to participate in a professional activity must be obtained by the applicant from the Principal through their Head of Department.
- Completed applications are to be submitted to the Principal's office at least one week prior to the event.
- Application for such leave should be made on the leave application form available in the college office with a covering letter and other relevant details.

#### **Cancellation:**

- Employees can request to withdraw their application and/or approved funding by writing to the Dean (R&D) after obtaining approval from Head of Department.
- Employees cannot use previously approved funding for a different purpose. Employees who do not attend the professional development event for which they have received approved funding must repay the amount.





**Mandatory Research Publications by Faculty per Year:**

**Professor:**

Each Professor is expected to publish at least two research papers/year in SCI/Scopus/WoS/UGC indexed journal/conference by mentioning the affiliation of the institute in each academic session.

**Associate Professor:**

Each Associate is expected to publish at least one research paper/year in SCI/Scopus/WoS/UGC journal or conference by mentioning the affiliation of the institute.

**Assistant Professor:**

Each Assistant Professor is expected to publish at least one research paper/year in SCI/Scopus/WoS/UGC journal or conference by mentioning the affiliation of the institute.



## **R&D Incentive Policy:**

This document presents the research incentives that are going to be issued for faculty publications, patents, funded projects, and consultancy works and its implementation policy. Incentives shall be applicable to papers which are published in journals indexed by SCIE/Scopus/ UGC Approved list of journals.

**The incentives shall be applicable to only those papers where the Author's affiliation is with 'Arvind Gavali College of Engineering'.**

If the publication is single-authored, the faculty shall get the full incentive, but if co-authored, the first/principal author/corresponding author/supervisor/mentor may claim 60% of the incentive and the remaining authors may claim 40% of the incentive.

- Incentive of Rs. 2000/- for paper published in journals indexed by UGC CARE.
- Incentive of Rs. 3000/- for paper published in journals indexed by SCOPUS.
- Incentive of Rs. 5000/- for paper published in journals indexed by SCI.

### **Evaluation Process for authentication of Journal:**

#### **Journal Status: UGC CARE**

UGC CARE indexed journal: <https://ugccare.unipune.ac.in/apps1/home/index>

#### **Journal Status: Scopus**

Scopus indexed journal <https://www.scopus.com>

#### **Journal Status: Web of Science**

SCI, SCIE &SSCI indexed journal <https://mjl.clarivate.com/search-results>

### **Incentive for Publication of Papers in Conference:**

- Incentive of Rs. 1000/- for Conference Proceedings as full papers (Abstracts not to be considered)

### **Incentive for Publication of Chapter Published in an Edited Book:**

- Incentive of Rs. 2000/- Chapters contributed to edited knowledge based volumes published by International Publishers
- Incentive of Rs. 1000/- Chapters contributed to knowledge-based volumes published by Indian/National level publishers with ISBN/ISSN numbers

### **Incentive for Filing Patents:**

- Incentive of Rs. 3000/- International Patent (Institute affiliation is mandatory)
- Incentive of Rs. 1000/- National Patent (Institute affiliation is mandatory)




**Incentive for Books:**

- Incentive of Rs. 3000/- for Text or Reference Books published by International Publishers with an established peer review system
- Incentive of Rs. 2000/- for Subject Books by National level publishers/State and Central Government Publications with ISBN/ISSN numbers, for Editor of Book by International Publishers, and for Subject Books by other local publishers with ISBN/ISSN.

  
**Dean (R&D)**  
**AGCE, Satara**

  
**Principal**  
**AGCE, Satara**

  
**Secretary**  
**Samarth Educational Trust**  
**Satara**



## MEMORANDUM OF UNDERSTANDING

BETWEEN

Arvind Gavali College of Engineering

AND

Aditi Buildcon, Satara

14 January 2020 to 13 January 2025

This Agreement made and entered into on this date 8 January 2020 between Arvind Gavali College of Engineering, situated at Gate No. 247, Panmalewadi, Varye, Satara - 415015, affiliated to DBATU Lonere & Shivaji University, Kolhapur and Aditi Buildcon, Satara - 415001.

### 1. OBJECTIVES

The objective of this Memorandum of Understanding is:

- a. To promote interaction between institute and company in mutually beneficial areas.
- b. To provide a formal basis for initiating interaction between institute and company.

### 2. PROPOSED MODES OF COLLABORATION

Institute and company propose to collaborate through

- a. Providing Guidance to student's regarding learning design process and design software, manufacturing process, product flow, quality tools and modern tool usage
- b. Guiding product development process.

The MoU is intended to recognize the general basis for a cooperative and a collaborative working relationship between the two parties. The purpose of MoU is to have mutual intentions to jointly work on projects required for industries and research needs, with learned faculty of good industrial for mutual benefit and growth, on the areas specified below:

- Industrial Visits
- Guest Lectures/Seminars
- Guiding Mini Projects and BE Project Work
- Help in placements
- Internships
- Placement.

Each of the above modes of interaction will be initiated by entering into a separate agreement between the two parties.

### 3. FORMS OF RESEARCH AND DEVELOPMENT PROGRAMS

The form of any of the said Research and Development Program entered into by the Parties may also include the following:

- a. **In their own existing facilities** - The performance of research and development individually by each Party or concurrently by both Parties in mixed groups at their own facilities with *regular exchanges of results*.
- b. **In a separate research and development facility** - The performance of research and development by the technical personnel of both Parties working together in the facilities of one Party or in mixed groups at the facilities supported by either Party.
- c. **Third parties** - The performance of research and development by the Parties together with one or more third parties.



#### 4. TECHNICAL AREAS OF COLLABORATION

The principal technical areas of collaboration between institute and company will be as set out by both parties area of interest of research and development.

#### 5. AGREEMENTS FOR RESEARCH AND DEVELOPMENT COLLABORATION

Each research collaboration undertaken by the parties hereunder shall be initiated by the signing of separate research and development agreement between the parties, which will describe in detail:

- a. The nature, scope and schedule of the research and development collaboration.
- b. The form of the research collaboration.
- c. The estimated cost of the research collaboration together with the amount of funding, if any, to be received from third parties.
- d. The treatment of intellectual property and data rights, including patents, industrial design registration, copyrights and all other proprietary information (including innovations not patented, designs not registered etc.) that result from the research and development collaboration or which belong to a party and are used in research and development collaboration.
- e. Other provisions as may be mutually agreed upon, including provisions covering the consequences of default or termination by a participant, term, arbitration of disputes and applicable law.

#### 6. CONFIDENTIALITY

- a. During and for a period of five years from the date of disclosure, each party agrees to consider as confidential all information disclosed by the other party in written or tangible form or, if orally disclosed confirmed in writing within thirty days of disclosure and identified as confidential by the disclosing party.
- b. The obligations above shall not extend to any confidential information for which the receiving party can prove that this information:
  - is in the public domain at the time of disclosure or comes within the public domain without fault of the receiving party.
  - Is already known or become known to the receiving party
  - Is received from a third party having no obligations of confidentiality to the disclosing party
  - Is independently developed by the receiving party; or
  - Is required to be disclosed by law or court order.

#### 7. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be nonexclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind. However, when entering into a particular research agreement, the participants may agree to limit each party's right to collaborate with others on that subject.

#### 8. TERMS AND TERMINATION

This MOU, unless extended by mutual written agreement of the parties, shall expire 5 years after the effective date specified in the opening paragraph. This MOU may be amended or terminated earlier by mutual written agreement of the parties at any time. Either party shall have the right to unilaterally terminate this MOU upon 60 days prior written notice to the other party. However, no such early termination of this MOU, whether mutual or unilateral, shall affect the obligations of the participants under any Research and Development Agreement, Confidentiality clause as referenced in clause 6 above, or any other agreement entered into pursuant to this MOU, which obligations shall survive any such termination.

#### 9. RELATIONSHIP

Nothing in this MOU shall be construed to make party a partner, an agent or legal representative of the other for any purpose.



## 10. ASSIGNMENT

It is understood by the Parties herein this MOU is based on the professional competence and expertise of each party and hence neither party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party.


## 11. SIGNED IN DUPLICATE

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

On behalf of  
Arvind Gavali College of Engineering  
Panmalewadi, Varye, Satara - 415015

On behalf of  
Aditi Buildcon,  
Satara - 415001

By :   
Name : Dr. Vilas Phorankar  
Title : Principal



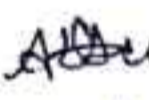
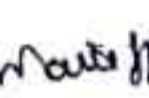
By :   
Name : Ghanshyam D. Mhatre  
Title : Partner



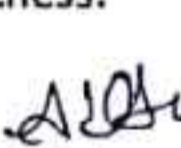

Date : 14/07/2020

Date : 14/07/2020

Witness:

1.  Mr. Nikam V.S. Nikal
2.  (SOMESHA DALK S.R.)

Witness:

1.  (Sumyewanshi Archana)
2.  Amit T. Jadhav

# MEMORANDUM OF UNDERSTANDING

## BETWEEN

Arvind Gavali College of Engineering, Satara

## AND

Vidhyati Technologies, Kolhapur.

01<sup>st</sup> August 2023 to 30<sup>th</sup> July 2028

This Agreement made and entered into on this date 01<sup>st</sup> August, 2023 between **Arvind Gavali College of Engineering**, situated at Gat No. 247, Panmalewadi, Varye, Satara - 415015, affiliated to DBATU Lonere and **Vidhyati Technologies**, Sr.No. 94, Chambukhadi Hill, Shingnapur road, Shingnapur, Kolhapur -416010.

### OBJECTIVES

The objective of this Memorandum of Understanding is:

- a. To promote interaction between institute and company in mutually beneficial areas.
- b. To provide a formal basis for initiating interaction between institute and company.

### 1. PROPOSED MODES OF COLLABORATION

Institute and company propose to collaborate through

- a. Providing Guidance to student's regarding learning of Control Panel and their internal Control System.
- b. Guiding projects and training for students
- c. The program envisages conducting sessions for both students and faculty in the college.

The MoU is intended to recognize the general basis for a cooperative and a collaborative working relationship between the two parties. The purpose of MoU is to have mutual intentions to jointly work on projects required for industries and research needs, with learned faculty of good industrial for mutual benefit and growth, on the areas specified below:

- Industrial Visits
- Special Technical Training, to make the students industry-ready
- Guest Lectures/Seminars
- Guiding Mini Projects and B. TECH Project Work
- Help in placements
- Internships

Each of the above modes of interaction will be initiated by entering into a separate agreement between the two parties.

### 2. FORMS OF RESEARCH AND DEVELOPMENT PROGRAMS

The form of any of the said Research and Development Program entered into by the Parties may also include the following:

- a. **In their own existing facilities** - The performance of research and development individually by each Party or concurrently by both Parties in mixed groups at their own facilities with regular exchanges of results.



- b. **In a separate research and development facility** - The performance of research and development by the technical personnel of both Parties working together in the facilities of one Party or in mixed groups at the facilities supported by either Party.
- c. **Third parties** - The performance of research and development by the Parties together with one or more third parties.

### 3. TECHNICAL AREAS OF COLLABORATION

The principal technical areas of collaboration between institute and company will be as set out by both parties' area of interest of research and development.

### 4. AGREEMENTS FOR RESEARCH AND DEVELOPMENT COLLABORATION

Each research collaboration undertaken by the parties hereunder shall be initiated by the signing of separate research and development agreement between the parties, which will describe in detail:

- a. The nature, scope and schedule of the research and development collaboration.
- b. The form of the research collaboration.
- c. The estimated cost of the research collaboration together with the amount of funding, if any, to be received from third parties.
- d. The treatment of intellectual property and data rights, including patents, industrial design registration, copyrights and all other proprietary information (including innovations not patented, designs not registered etc.) that result from the research and development collaboration or which belong to a party and are in research and development collaboration.
- e. Other provisions as may be mutually agreed upon, including provisions covering the consequences of default or termination by a participant, term, arbitration of disputes and applicable law.

### 5. CONFIDENTIALITY

- a. During and for a period of five years from the date of disclosure, each party agrees to consider as confidential all information disclosed by the other party in written or tangible form or, if orally disclosed confirmed in writing within thirty days of disclosure and identified as confidential by the disclosing party.
- b. The obligations above shall not extend to any confidential information for which the receiving party can prove that this information:
  - Is in the public domain at the time of disclosure or comes within the public domain without fault of the receiving party.
  - Is already known or become known to the receiving party
  - Is received from a third party having no obligations of confidentiality to the disclosing party
  - Is independently developed by the receiving party; or
  - Is required to be disclosed by law or court order.

### 6. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be nonexclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind. However, when entering into a particular research agreement, the participants may agree to limit each party's right to collaborate with others on that subject.





## 7. TERMS AND TERMINATION

This MOU, unless extended by mutual written agreement of the parties, shall expire 5 years after the effective date specified in the opening paragraph. This MOU may be amended or terminated earlier by mutual written agreement of the parties at any time. Either party shall have the right to unilaterally terminate this MOU upon 60 days' prior written notice to the other party. However, no such early termination of this MOU, whether mutual or unilateral, shall affect the obligations of the participants under any Research and Development Agreement, Confidentiality clause as referenced in clause 6 above, or any other agreement entered into pursuant to this MOU, which obligations shall survive any such termination.

## 8. RELATIONSHIP

Nothing in this MOU shall be construed to make party a partner, an agent or legal representative of the other for any purpose.

## 9. ASSIGNMENT

It is understood by the Parties herein this MOU is based on the professional competence and expertise of each party and hence neither party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party.

## 10. SIGNED IN DUPLICATE

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

On behalf of

**Arvind Gavali College of Engineering**  
**Panmalewadi, Varye, Satara - 415015.**

By :


Name : Dr. Vilas Pharande

Title : Principal

Signature :

Date : 01/08/2023

Witness :

1. Patil P.A. 
- 2.

On behalf of

**Vidhyati Technologies,**  
**Kolhapur - 416010.**

By :

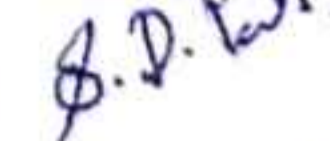
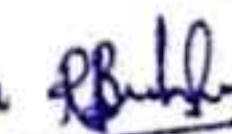
Name : Mr. Dhairyashil Patil.

Title : Director

Signature : 

Date : 01/08/2023

Witness :

1. Mrs. S.D. Patil 
2. Mr. R.D. Bhandwalkar 



# MEMORANDUM OF UNDERSTANDING

## BETWEEN

Arvind Gavali College of Engineering, Satara

## AND

Square Wave Automation Technologies Pvt. LTD., Satara  
01<sup>st</sup> August- 2023 to 01<sup>st</sup> August- 2026

This Agreement made and entered into on this date 01<sup>st</sup> August-2023 between Arvind Gavali College of Engineering, situated at Gat No. 247, Panmalewadi, Varye, Satara - 415015, affiliated to DBATU Lonere and Square Wave Automation Technologies Pvt LTD, 353/2, P.N.15, Shivam Colony, Anant English School Road, Satara-415002.

### OBJECTIVES

The objective of this Memorandum of Understanding is:

- To promote interaction between institute and company in mutually beneficial areas.
- To provide a formal basis for initiating interaction between institute and company.

### I. PROPOSED MODES OF COLLABORATION

Institute and company propose to collaborate through

- Providing Guidance to student's regarding learning of Control Panel Designing and their internal Control System, SCADA, HMI, PLC Programming and Arduino Programming.
- Guiding projects and training for students.
- The program envisages conducting sessions for students in the company.

The MoU is intended to recognize the general basis for a cooperative and a collaborative working relationship between the two parties. The purpose of MoU is to have mutual intentions to jointly work on projects required for industries and research needs, with learned faculty of good industrial for mutual benefit and growth, on the areas specified below:

- Industrial Visits
- Special Technical Training , to make the students industry-ready
- Guest Lectures/Seminars
- Guiding Mini Projects and B.Tech Project Work
- Help in placements
- Internships

Each of the above modes of interaction will be initiated by entering into a separate agreement between the two parties.


Director  
Tushar Jayant Inamdar

## 2. FORMS OF RESEARCH AND DEVELOPMENT PROGRAMS

The form of any of the said Research and Development Program entered into by the Parties may also include the following:

- a. In their own existing facilities - The performance of research and development individually by each Party or concurrently by both Parties in mixed groups at their own facilities with regular exchanges of results.
- b. In a separate research and development facility - The performance of research and development by the technical personnel of both Parties working together in the facilities of one Party or in mixed groups at the facilities supported by either Party.
- c. Third parties - The performance of research and development by the Parties together with one or more third parties.

## 3. TECHNICAL AREAS OF COLLABORATION

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## 4. AGREEMENTS FOR RESEARCH AND DEVELOPMENT COLLABORATION

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- b. The form of the research collaboration.
- c. The estimated cost of the research collaboration together with the amount of funding, if any, to be received from third parties.
- d. The treatment of intellectual property and data rights, including patents, industrial design registration, copyrights and all other proprietary information (including innovations not patented, designs not registered etc.) that result from the research and development collaboration or which belong to a party and are used in research and development collaboration.
- e. Other provisions as may be mutually agreed upon, including provisions covering the consequences of default or termination by a participant, term, arbitration of disputes and applicable law.

## 5. CONFIDENTIALITY

- a. During and for a period of five years from the date of disclosure, each party agrees to consider as confidential all information disclosed by the other party in written or tangible form or, if orally disclosed confirmed in writing within thirty days of disclosure and identified as confidential by the disclosing party.
- b. The obligations above shall not extend to any confidential information for which the receiving party can prove that this information:
  - Is in the public domain at the time of disclosure or comes within the public domain without fault of the receiving party.



Way Automation Technologies Pvt. Ltd.  
Director  
Tushar Jayant Inamdar

- Is already known or become known to the receiving party
- Is received from a third party having no obligations of confidentiality to the disclosing party
- Is independently developed by the receiving party; or
- Is required to be disclosed by law or court order.

#### 6. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be nonexclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind. However, when entering into a particular research agreement, the participants may agree to limit each party's right to collaborate with others on that subject.

#### 7. TERMS AND TERMINATION

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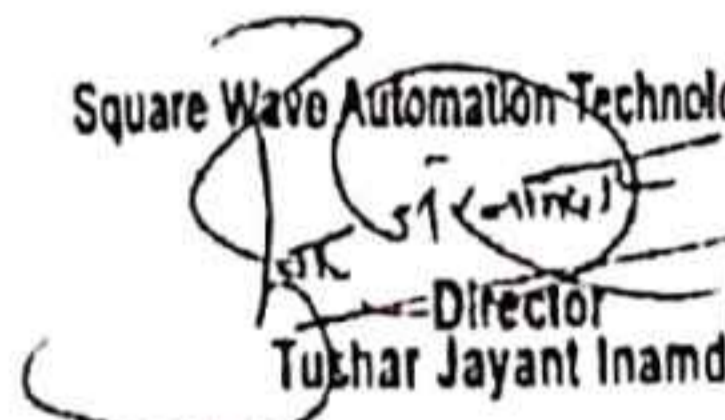

#### 8. RELATIONSHIP

Nothing in this MOU shall be construed to make party a partner, an agent or legal representative of the other for any purpose.

#### 9. ASSIGNMENT

It is understood by the Parties herein this MOU is based on the professional competence and expertise of each party and hence neither party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party.


  
Square Wave Automation Technologies Pvt. Ltd.  
Director  
Tushar Jayant Inamdar  


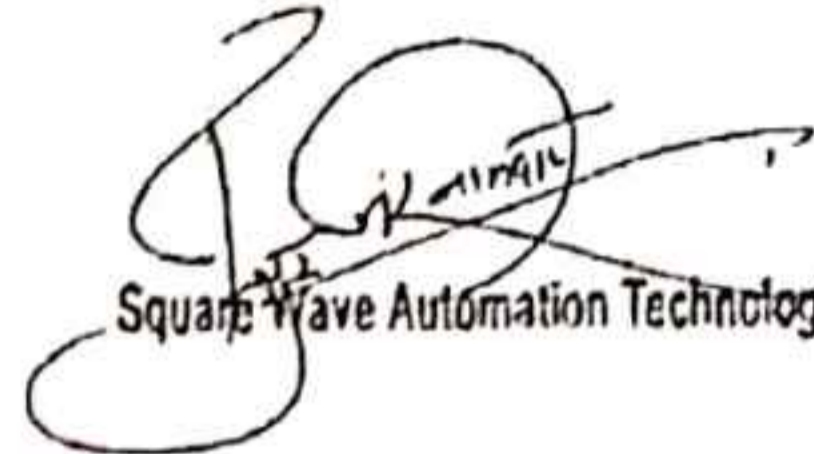
## 10. SIGNED IN DUPLICATE

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.


On behalf of  
Arvind Gavali College of Engineering  
Panmalewadi, Varye, Satara - 415015

  
Square Wave Automation Technologies Pvt. Ltd.

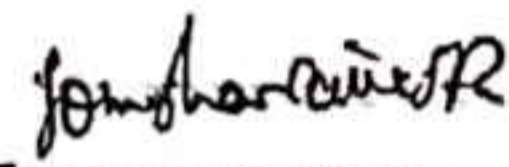
On behalf of Director  
Tushar Jayant Inamdar  
Square Wave Automation  
Technologies Pvt. LTD,  
Shivam Colony, Anant  
English School Road,  
Satara - 415002


By :

Name : DR. VILAS A. PHARANDE  
Title : PRINCIPAL

Date : 01/08/2023

Witness:

1.   
[Mr. SANKAR S. R.]

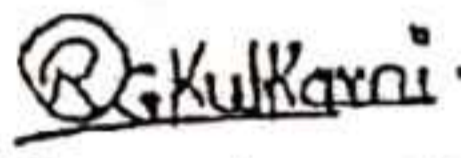
2. Mr. Nishit Kanase  


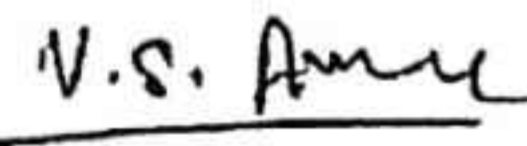
By :

Name : Tushar Jayant Inamdar  
Title : Director

Date : 01/08/2023

Witness:

1.   
[Rutuja Girish Kulkarni.]

2.   
[Vilas Shantaram Ambike.]

# MEMORANDUM OF UNDERSTANDING

BETWEEN

Arvind Gavali College of Engineering

AND

Rapportsoft Consulting and Technology Pvt. Ltd., Pune

20<sup>th</sup> May 2023 to 20<sup>th</sup> May 2027

This Agreement made and entered into on this date 2<sup>nd</sup> January, 2023 between **Arvind Gavali College of Engineering**, situated at Gat No. 247, Panmalewadi, Varye, Satara - 415015, affiliated to DBATU Lonere and **Rapportsoft Consulting and Technology Pvt. Ltd.**, Office No. 321, XION mall, Hinjawadi, Pune, Maharashtra 411057.

## OBJECTIVES

The objective of this Memorandum of Understanding is:

- To promote interaction between institute and company in mutually beneficial areas.
- To provide a formal basis for initiating interaction between institute and company.

## 1. PROPOSED MODES OF COLLABORATION

Institute and company propose to collaborate through

- Providing Guidance to student's regarding learning of Control Panel and their internal Control System.
- Guiding projects and training for students
- The program envisages conducting sessions for both students and faculty in the college.

The MoU is intended to recognize the general basis for a cooperative and a collaborative working relationship between the two parties. The purpose of MoU is to have mutual intentions to jointly work on projects required for industries and research needs, with learned faculty of good industrial for mutual benefit and growth, on the areas specified below:

- Industrial Visits
- Special Technical Training, to make the students industry-ready
- Guest Lectures/Seminars
- Guiding Mini Projects and B.TECH Project Work
- Help in placements
- Internships

Each of the above modes of interaction will be initiated by entering into a separate agreement between the two parties.

## 2. FORMS OF RESEARCH AND DEVELOPMENT PROGRAMS

The form of any of the said Research and Development Program entered into by the Parties may also include the following:

- In their own existing facilities** - The performance of research and development individually by each Party or concurrently by both Parties in mixed groups at their own facilities with regular exchanges of results.
- In a separate research and development facility** - The performance of research and development by the technical personnel of both Parties working together in the facilities of one Party or in mixed groups at the facilities supported by either Party.
- Third parties** - The performance of research and development by the Parties together with one or more third parties.



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### 3. TECHNICAL AREAS OF COLLABORATION

The principal technical areas of collaboration between institute and company will be as set out by both parties area of interest of research and development.

### 4. AGREEMENTS FOR RESEARCH AND DEVELOPMENT COLLABORATION

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- e. Other provisions as may be mutually agreed upon, including provisions covering the consequences of default or termination by a participant, term, arbitration of disputes and applicable law.

### 5. CONFIDENTIALITY

- a. During and for a period of five years from the date of disclosure, each party agrees to consider as confidential all information disclosed by the other party in written or tangible form or, if orally disclosed confirmed in writing within thirty days of disclosure and identified as confidential by the disclosing party.
- b. The obligations above shall not extend to any confidential information for which the receiving party can prove that this information:
  - Is in the public domain at the time of disclosure or comes within the public domain without fault of the receiving party.
  - Is already known or become known to the receiving party
  - Is received from a third party having no obligations of confidentiality to the disclosing party
  - Is independently developed by the receiving party; or
  - Is required to be disclosed by law or court order.

### 6. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be nonexclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind. However, when entering into a particular research agreement, the participants may agree to limit each party's right to collaborate with others on that subject.

### 7. TERMS AND TERMINATION

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Nothing in this MOU shall be construed to make party a partner, an agent or legal representative of the other for any purpose.

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It is understood by the Parties herein this MOU is based on the professional competence and expertise of each party and hence neither party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party.




## 10. SIGNED IN DUPLICATE

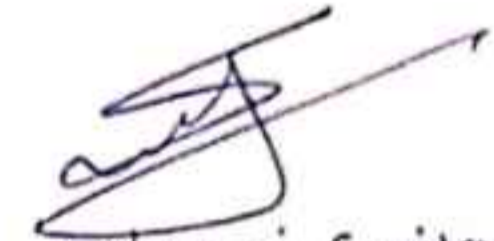
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BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

On behalf of  
Arvind Gavali College of Engineering  
Panmalewadi, Varye, Satara - 415015

On behalf of  
Rapportsoft Consulting and Technology  
Pvt. Ltd., Hinjawadi, Pune, 411057.

By :   
Name : Dr. V. A. Phorande  
Title : Principal

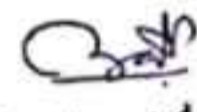

By :   
Name : Mr. Shivraj Gaikwad  
Title : Director

Date : 20/05/2023

Date : 20/05/2023

Witness:

Witness:

1. Pathak P.A. 
2. Mandhose R.M. 

1. Mr. Prasad Gaikwad
2. Mr. Varunraj Jadhav.





# MEMORANDUM OF UNDERSTANDING

BETWEEN

Arvind Gavali College of Engineering, Satara

AND

SPL Power Pvt. Ltd, Pune

01<sup>st</sup> June 2023 to 30<sup>th</sup> May 2028

This Agreement made and entered into on this date 01<sup>st</sup> June, 2023 between Arvind Gavali College of Engineering, situated at Gat No. 247, Panmalewadi, Varye, Satara - 415015, affiliated to DBATU Lonere and SPL Power Pvt. Ltd, Radhakrishna Nagar, Plot No. 9/2, Serve No. 73, Near Wonderity Ground, Katraj, Pune - 411046

## OBJECTIVES

The objective of this Memorandum of Understanding is:

- To promote interaction between institute and company in mutually beneficial areas.
- To provide a formal basis for initiating interaction between institute and company.

## 1. PROPOSED MODES OF COLLABORATION

Institute and company propose to collaborate through

- Providing Guidance to student's regarding learning of Control Panel and their internal Control System.
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  - Is already known or become known to the receiving party
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BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

On behalf of

Arvind Gavali College of Engineering

A / P - Paumalewadi, Varye, Satara - 415015

Stamp & Signature -

Name of Authorized Person : Dr. Vilas Pharande

Title / Designation : Principal

Date (MOU Signing) : 01/06/2023

Witness (Name & Signature) :  
Mr. Subodh P. Pawar

On behalf of

SPL Power Pvt, Ltd.

Katraj, Pune - 411046

SHIVAMSHREE POWER PVT. LTD.  
Stamp & Signature - Director

Name of Authorized Person : Mr. Shreyas Deshmukh

Title / Designation : Director

Date (MOU Signing) : 01/06/2023

Witness (Name & Signature) :

Scanned with OKEN Scanner

**Tax Invoice**

**SDAC Infosystem LLP**

Kojagiri Apt; Pune-Satara Road; Dhankawadi  
 Opp- Bharati Vidyapeeth Hospital  
 Pune, Maharashtra-411043  
 Email:-Info@sdacinfosystem.com  
 www.sdacinfosystem.com  
 Contact No:-7738920554, 9420490684



To Nitin Kanse  Arvind Gavali College of Engineering Gat-247 At -panmalewadi Post - varye -Taluka Satara	Invoice No :	SD0072
	Invoice Date :	10/4/2024
	P. O. No :	849
	P. O. Date :	23/03/2024

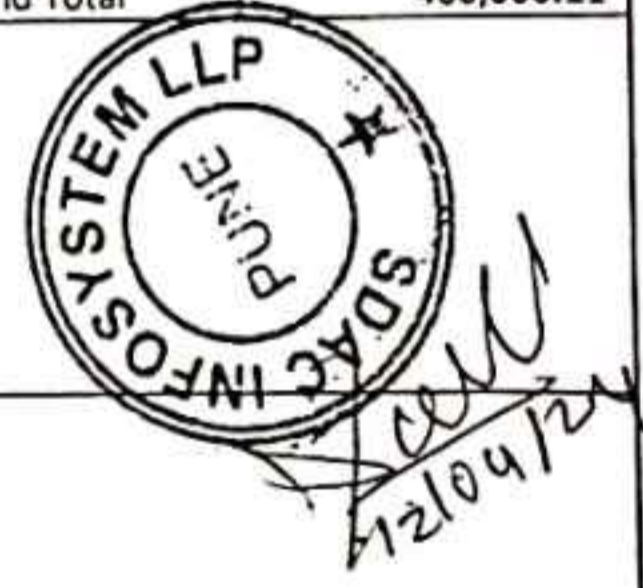
Party GSTIN NO:-

SR NO	DESCRIPTION	HSN	QTY	Unit Rate	AMOUNT
1	HP Tower Desktop -Core i5 /8th Generation /8GB DDR4 RAM/256 SSD/19.5" display screen/New keyboard ,Mouse /windows 10Pro License .Serial No.	8471	20.00	19,491.53	389,830.60

**Amaunt in words :- four lakh sixty thousand & Eleven paises Only**

Sub Total	389,830.60
GST 18%	70,169.51
<b>Grand Total</b>	<b>460,000.11</b>

**SDAC INFOSYSTEM LLP**      GSTIN NO:- 27AEXFS1739P1ZW  
 STATE :-MAHARASTRA    CODE:- 27    PAN NO.AEXFS1739P  
 Bank      Bank Name: Axis Bank, Pimpri  
 Details:    Bank Account No.: 922020051158726  
               Bank IFSC code: UTIB0001435  
               Account Holder's Name: SDAC infosystem LLP



I/we hereby certify that my/our registration certificate under the Maharashtra value add GST act 2017 is in force on the date on which the sales of the goods specified in this GST INVOICE is made by me/us and that the transaction of sale covered by this tax invoice has been effected by me/us and it shall be accounted for in the turnover of sales while filling of return and the due tax if any, payable on the sale has been paid or shall be paid.



Arvind Gawali Collage of Engineering,  
Address: Al.Panmalewadi, Post-Varye, Tal. & Dist.  
Satara.-415 015 (Maharashtra)  
Phone : 02162 - 261122, 200100  
E-mail agcenggsatara/@gmail.com

## Invoices No- SD020

Invoice Date:  
12/08/2023

DESCRIPTION	HSN/SAC	QUANTITY	UNIT PRICE	TAXES	TAX EXCL.	TAX INCL.
Hp Desktop Core i5 6th gen - 322 56GB SSD/8GB RAM/18.5LED Monitor /keyboard/ mouse, Win 10 installed/1vears warranty		21.00	15800.00	GST 18%	₹ 59724.00	₹ 391524.00
Payment terms: 50% Advance payment 50% at the time of Delivery			Untaxed Amount			₹ 331800.00

Payment Communication:

Company's Bank details:

Bank Name: Axis Bank, Pimpri

Bank Account No.: 922020051158726

Bank IFSC code: UTIB0001435 Account

Holder's Name: SDAC infosystem LLP

SGST ₹29862.00

CGST ₹29862.00

Total ₹ 391524.00

Total amount in words:  
Three Lakh Ninety-one Thousand Five Hundred Twenty  
Four



Authorized Signature with Stamp

7738920554  
info@sdacinfosystem.com  
http://www.sdacinfosystem.com

SDAC INFOSYSTEM LLP  
1077, Hirabaug Business Centre,  
Shukrawar Peth,  
Near Swargate, Pune, Maharastra  
pune 411002  
Maharashtra MH

IT Product with Quality

1

**Tax Invoice**

**SDAC INFOSYSTEM LLP**

G-701 Empire Square, Chinchwad  
Pune-411019 Maharashtra

Ph No: +917738920554, 9420490684

GST NO: 27AEXFS1739P1ZW

PAN NO: AEXFS1739P

Invoice No- SD037

Date -20/11/2023

Delivery Note

Mode/Terms of Payment

Buyer's Order No

Dated :

AGCE/Nov-2023/No-543

11/8/2023

Dispatch Doc No.

Delivery Note Date

Consignee (Ship to): Mr. Amar Adke

Arvind Gavali College of Engineering Gat-247 At -panmalewadi Post -varye  
, Taluka Satara

Dispatched through  
Road

By

Destination:  
Satara

**Goods Description**

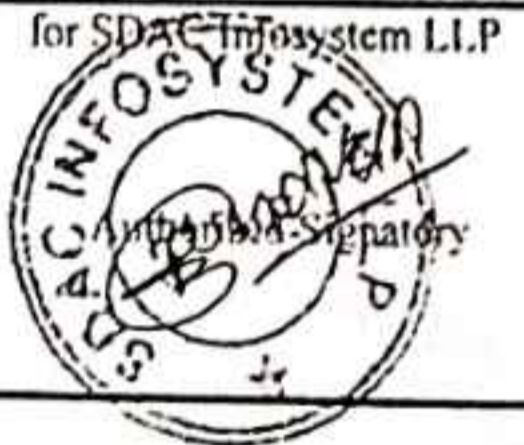
HSN Code	Brand	Description	Qty	Rate	Total Amount
NA	HP SSF Refurbished Desktop	HP-Core i5-8Gen/8GB/256 GB SATA SSD /19.5" Monitor /Keyboard/Mouse /Windows 10Pro One Year Warranty	20	23000	460000
				GST 18%	82800
				Total-	542800.00

Amount Chargable (in words)

Five Lakh Forty Two Thousand Eight Hundred Only

Payment : 50% ADVANCE,  
Penalty Clause : Rs 2500 In Case of cheque Bounce  
Billing from : SDAC INFOSYSTEM LLP  
Arun Chavan : 7738920554//9420490684

Company's Bank details:  
Bank Name: Axis Bank, Pimpri  
Bank Account No: 922020051158726  
Bank IFSC code: UTIB0001435  
Account Holder's Name: SDAC infosystem LLP



The printed document in the subject is produced electronically and therefore does not require a signature



# SAMARTH EDUCATIONAL TRUST

www.sets.edu.in

sem 1



Founder Chairman  
Hon. Mr. Arvind Gavali (Sawkar)

## ARVIND GAVALI COLLEGE OF ENGINEERING

NAAC Accredited

Approved by AICTE, New Delhi & Govt. of Maharashtra & Affiliated to  
Dr. Babasaheb Ambedkar Technological University, Lonere



Panmalewadi, Varye, Tal. & Dist. - Satara - 415015, Ph.No.: 02162 - 261122

Website : [www.agce.edu.in](http://www.agce.edu.in)

E-mail.: [agcenggsatara@gmail.com](mailto:agcenggsatara@gmail.com)

### INTERNSHIP / PROJECT RECORD BOOK

Academic Year 2023-2024

#### STUDENT

Student Name: Jadhav Shreya  
Ramdas

Department : Computer sci & Engg

Roll No.: 2165451242514

#### INDUSTRY

Industry Name : Websoftera Pvt  
Ltd

HR Manager Name : Prakash Rajc

Contact No.: 92405106809



## Our Vision

To be prominent institution by imparting value added quality education that creates professional technocrats as well as entrepreneurs through lifelong learning to accomplish socio-environmental needs



## Our Mission

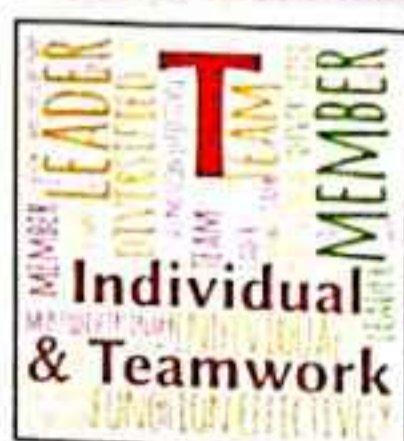
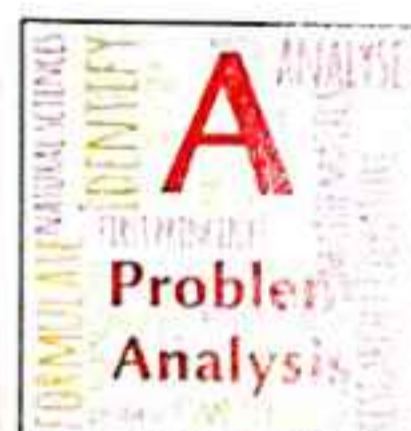
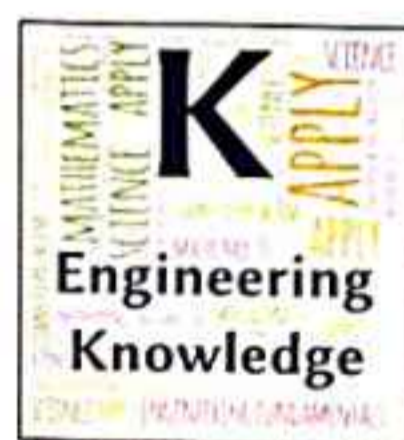
- M-1 To enrich competency among technocrats by imparting technical, innovative and managerial skills.
- M-2 To educate students for effective problem solving and continual progress for dynamic careers.
- M-3 To create social & environmental awareness among students and public at large.



## Core Values

- ▶ Global Competency
- ▶ Professional Ethics
- ▶ Excellence
- ▶ Social Responsibility
- ▶ Accountability & Transparency
- ▶ Use of Technology

## Program Outcome







## TO WHOME IT MAY CONERN

I am writing to certify that **Shreya Jadhav** has successfully completed a six-month internship in Web Development at **WEBSOFTERA IT SERVICES AND SOFTWARE DEVELOPMENT & MARKETING PRIVATE LIMITED**, Pune. The internship took place from 25/08/2023 to 25/02/2024.

During the internship, Miss. Shreya exhibited exceptional design and development skills, along with a self-motivated attitude to learn and explore new concepts. She consistently surpassed our expectations and completed the assigned project within the given timeframe.

While the full internship period is six months, we understand that there is a need to submit this letter for Miss. Shreya college requirements. However, please note that he has already showcased outstanding performance during the initial three months. We have full confidence in Miss. Dhanashree capabilities and wish her the very best for her future endeavors. Should you require any additional information regarding her internship, please do not hesitate to contact us.

Warm regards, Prakash Raje

DIRECTOR

WEBSOFTERA PVT LTD



Signature .....

## To whom it may Concern

This is to certify that Mr./Ms. Shreya Ramdas Jodhar from  
FY/SY/TY/B. Tech. of Computer sci & Engg Department at Arvind Gavali College of Engineering,  
 Satara has been working with Webgoffera  
 as trainee/ stipendiary/ intern during 25/08/2023 to 25/02/2024

Below is performance of the candidate evaluated on following parameters for academic purpose.

Parameters	Satisfactory	Good	Excellent
Behavior		✓	
Performs in a dependable manner	✓		
Cooperates with co-workers and supervisors		✓	
Shows interest in work			✓
Learns quickly	✓		
Shows initiative		✓	
Produces high quality work		✓	
Accepts responsibility		✓	
Accepts criticism	✓		
Demonstrates organizational skills		✓	
Uses technical knowledge and expertise	✓		
Shows good judgement		✓	
Demonstrates creativity/originality	✓		
Analyzes problems effectively	✓		
Is self-reliant		✓	
Communicates well		✓	
Writes effectively	✓		
Has a professional attitude	✓		
Gives a professional appearance		✓	
Is punctual		✓	
Uses time effectively		✓	

(Ref: AICTE Internship Policy Guidelines and Procedure Page 30)

We wish him/her every success in life.

Industry Mentor

Name: Prakash Raje

Designation: HR

Sign: Raje



## Attendance Sheet

Sr. No.	Date	Task Completed	Student's Signature	Officer's Signature
1.				
2.	4 <sup>th</sup> sep	Introduction to Web Softvera	S.R. Jadhav	} <u>Raje</u>
3.	sep	Pvt Ltd orientation		
4.	20 <sup>th</sup> 23	Understanding the project		
5.		requirements		
6.				

Sr. No.	Date	Task Completed	Student's Signature	Officer's Signature
1.		formatalization with NIT app	S.R. Jadhav	} <u>Raje</u>
2.	7 <sup>th</sup> to	inventor initial setup & understanding		
3.	11 <sup>th</sup> sept	basic app development concept		
4.	14 <sup>th</sup> to	Creating basics layouts for the	S.R. Jadhav	
5.	18 <sup>th</sup> sept	app designing the user interface		
6.		for the sign-up & login pages		

Sr. No.	Date	Task Completed	Student's Signature	Officer's Signature
1.	28 <sup>th</sup> to	Testing & debugging the sign-up	S.R. Jadhav	} <u>Raje</u>
2.	30 <sup>th</sup> sep	login features, refining the UI		
3.		based on feedback.		
4.	1 <sup>st</sup> to	starting development of the	S.R. Jadhav	
5.	8 <sup>th</sup> oct	water pump control features		
6.		integrating necessary components		

Suggestions for Candidate by Company Internship Officer :..... Websoftvera Pvt. Ltd .....

Name of Faculty Mentor : Pranav Pathak ..... Name of Company Mentor : Prakash Raje .....

Signature of Faculty Mentor :  ..... Signature of Company Mentor :  .....

Sr. No.	Date	Task Completed	Student's Signature	Officer's Signature
1.	11th to	Connecting the app to control	S.R. Jadhav	} Praje
2.	18th oct	hardware initial trials of switching		
3.		the motor on/off via the app		
4.	16th oct	Addressing issues with hardware	S.R. Jadhav	
5.	10 to 22nd	connectivity optimizing		
6.				

Sr. No.	Date	Task Completed	Student's Signature	Officer's Signature
1.	25th to	the response time for motor	S.R. Jadhav	} Praje
2.	29th	control. Testing the full function-		
3.	sept	ty of app in controlled		
4.		environment ensuring data		
5.		integrity in google sheets		
6.				

Sr. No.	Date	Task Completed	Student's Signature	Officer's Signature
1.	2nd to	Adding additional features based	S.R. Jadhav	} Praje
2.	6th Nov	on user feedback. such as		
3.		security enhancement of user		
4.		notification		
5.	9th to	conducting field test in real	S.R. Jadhav	
6.	13th Nov	time environments collecting user		

Suggestions for Candidate by Company Internship Officer : WebSofters Pvt Ltd

Name of Faculty Mentor : Pranav Pathak Name of Company Mentor : Prakash Raje

Signature of Faculty Mentor : [Signature] Signature of Company Mentor : [Signature]



Sr. No.	Date	Task Completed	Student's Signature	Officer's Signature
1.	16 <sup>th</sup> to	Working on improving the apps	S.R. Jadhav	Prakash
2.	20 <sup>th</sup> NOV	usability and reliability based on		
3.		fields test results.		
4.	23 <sup>rd</sup> to	finalizing the water pump control	S.R. Jadhav	
5.	27 <sup>th</sup> NOV	features, ensuring samples:		
6.		integration with google		

Sr. No.	Date	Task Completed	Student's Signature	Officer's Signature
1.	1 <sup>st</sup> Dec	preparing a presentation on the	S.R. Jadhav	Prakash
2.	20 <sup>th</sup> Dec	current progress & future steps for		
3.		the app development		
4.	6 <sup>th</sup> to	Implementation user feedback	S.R. Jadhav	
5.	15 <sup>th</sup> Dec	making necessary changes to the		
6.		apps functionality and UI		

Sr. No.	Date	Task Completed	Student's Signature	Officer's Signature
1.	16 <sup>th</sup> Dec	future testing & valid of	S.R. Jadhav	Prakash
2.	3 <sup>rd</sup> Dec	updated app, ensuring all		
3.		features works on intended		
4.	1 <sup>st</sup> to	Beginning development of	S.R. Jadhav	
5.	17 <sup>th</sup> Jan	advanced features such as		
6.		scheduling water pump operations.		

Suggestions for Candidate by Company Internship Officer : ..... Web Softera Pvt Ltd

Name of Faculty Mentor : ..... Pronav Pathak ..... Name of Company Mentor : ..... Prakash Rajee

Signature of Faculty Mentor : .....  ..... Signature of Company Mentor : .....  .....

Sr. No.	Date	Task Completed	Student's Signature	Officer's Signature
1.	13 <sup>th</sup> Jan	finalizing & testing advanced	S.R. Jadhav	} <u>Praje</u>
2.	10 <sup>th</sup> Jan	features preparing for the next		
3.		round of field test		
4.	1 <sup>st</sup> Feb 20	conducting extensive field	S.R. Jadhav	
5.	15 Feb	test for all features gathering		
6.				

Sr. No.	Date	Task Completed	Student's Signature	Officer's Signature
1.	16 <sup>th</sup> Feb	wrapping up the project	S.R. Jadhav	} <u>Praje</u>
2.	10 <sup>th</sup> Feb	preparing final reports of		
3.		presenting the completed app		
4.				
5.				
6.				

Sr. No.	Date	Task Completed	Student's Signature	Officer's Signature
1.				
2.				
3.				
4.				
5.				
6.				

Suggestions for Candidate by Company Internship Officer : ..... Web Softera Pvt Ltd .....

Name of Faculty Mentor : ..... Pranav Pathak ..... Name of Company Mentor : ..... Prakash Raje .....

Signature of Faculty Mentor : ..... [Signature] ..... Signature of Company Mentor : ..... [Signature] .....

## 1. Orientation:

Types of Industry, Industrial Environment, Industrial Psychology, Industrial Management, Industrial Relations, Government Policies, Associated Organizations and their role. Organizational Behavior, Scale and type of Production.

The websoftera Pvt. Ltd appear to be established company specializing in the design and development of high-quality power conversion solutions.

- 1) Core focus :- Websoftera Pvt. Ltd is dedicated to providing high quality power conversion solution for both the Indian & international markets
- 2) Product range :- their product range includes AC-DC & DC-DC conversion solution capable of delivering upto 3KW of power.
- 3) Team expertise :- the company prides itself on its team of qualified engineers who are committed to delivering top-notch products.
- 4) Quality Assurance - all product are meticulously designed to adhere to various industry standards including IEC / ENC & more

5) Comprehensive services - In addition to their product offerings websoftera Pvt. Ltd.

6) Trusted Partner

Based on this orientation Websoftera Pvt. Ltd. apperence to be reputable company with a strong focus on engineering excellence.



## Tools/Softwares:

Tool classifications, Types of tool, Special machine tools, Tool design, Controls, Programming languages and codes, Machine tool maintenance.

### Wordpress Website

- Wordpress website itself the primary platforms for building website
- Version control
- local environment
- Text editor
- graphics software
- security plugins

### MQTT Server application

- python for developing MQTT server application
- IDE : VS code
- MQTT broker
- Database management
- API development
- Testing framework
- Security tools
- Monitoring & Logging

### Programming language

1) HTML

2) CSS

3) JS

4) python

5) PHP