



# AISSMS

COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय



Accredited by NAAC with "A+" Grade | NBA - 6 UG Programmes

## INDEX

**3.5.1: Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during 2021-22.**

| Sl. No. | Name of the collaborating agency / institution / industry / corporate house with whom the MoU / collaboration / linkage is made, with contact details | Year of signing MoU / collaboration / linkage | List of the actual activities under each MOU and web -links year-wise   | Page No |
|---------|---|---|---|---------|
| 1       | Sunshine Powertronics Pvt Ltd Pune  | 2021-22                                       | Internship  | 1       |
| 2       | Bureau of Indian Standards, Pune branch Office  | 2021-22                                       | Activities under 'Standards' Club   | 7       |
| 3       | Shree Samarth Associates  | 2021-22                                       | Internship  | 12      |
| 4       | Green Ecomes Solutions Pvt. Ltd. (GES)  | 2021-22                                       | Expert lecture  | 17      |
| 5       | World Vision IT Infotech  | 2021-22                                       | Expert lecture for BE students  | 23      |
| 6       | Elite Softwares, Pune   | 2021-22                                       | Internship, Expert Lecture  | 29      |
| 7       | KasNet Technologies Pvt. Ltd  | 2021-22                                       | Interaction with Students   | 36      |
| 8       | Asentir Solutions, Pune   | 2021-22                                       | Interaction with Students   | 41      |
| 9       | Apt. Samridhhi Consultant Pvt. Ltd. Pune  | 2021-22                                       | Expert Lecture  | 48      |
| 10      | VMS Controls, Pune  | 2021-22                                       | Placement   | 53      |
| 11      | Elon Power  | 2021-22                                       | Internship  | 58      |
| 12      | CMS Digital Automation Pune   | 2021-22                                       | Internship  | 65      |
| 13      | UB Cryogenic Solutions LLP, Pune  | 2021-22                                       | 1. Two Ph.D. scholar are getting guidance/facilities<br>2. A research proposal was prepared and submitted to SPPU under ASPIRE scheme | 71      |
| 14      | Stead Solve Design and Manufacturing Solutions LLP Pune   | 2021-22                                       | Internship  | 75      |
| 15      | Ameya Industries Pune   | 2021-22                                       | Internship  | 82      |

|    |  |         |  |     |
|----|--|---------|--|-----|
| 16 | Vimal Nourishment Technologies Pvt. Ltd. Pune    | 2021-22 | Faculty Training                               | 87  |
| 17 | University of Therengganu Malaysia               | 2021-22 | (i) Research work; (ii) Publications           | 92  |
| 18 | Institute of Systems Pune.                       | 2021-22 | Expert lecture conducted on Lean Manufacturing | 118 |
| 19 | Arakeri Electrical Industries                    | 2021-22 | Sponsored Project                              | 124 |
| 20 | Datson Technologies Pune                         | 2021-22 | Industry Interaction                           | 129 |
| 21 | SARBI Petroleum and Chemicals Pvt Ltd.           | 2021-22 | Industry Interaction                           | 134 |
| 22 | TKT Consultant, Pune                             | 2021-22 | Industry Interaction                           | 138 |
| 23 | Avishkar Realty, Pune.                           | 2021-22 | Industry Interaction                           | 142 |
| 24 | Kunal Chawada Civil Engineering Consultant, Pune | 2021-22 | Industry Interaction                           | 146 |
| 25 | Anaka Schalttafel Pvt. Ltd. Pune                 | 2021-22 | Industry Interaction                           | 152 |
| 26 | Firenest Reality Pvt Ltd                         | 2021-22 | Industry Interaction                           | 156 |
| 27 | Startech Engineers, Mumbai                       | 2021-22 | Industry Interaction                           | 162 |
| 28 | PMP Automation Pvt Ltd                           | 2021-22 | Industry Interaction                           | 167 |
| 29 | Wish Energy                                      | 2021-22 | Industry Interaction                           | 171 |
| 30 | Softcon Pvt Ltd                                  | 2021-22 | Industry Interaction                           | 176 |
| 31 | Pranita Engineering Works Ltd Pune               | 2021-22 | Industry Interaction                           | 181 |
| 32 | SSIG Manufacturing Advancements Pvt Ltd. Pune    | 2021-22 | Industry Interaction                           | 185 |
| 33 | Setco Spindles India (Pvt) Ltd Pune              | 2021-22 | Industry Interaction                           | 189 |
| 34 | ELON POWER PVT. LTD                              | 2021-22 | Industry Interaction                           | 193 |
| 35 | UB Cryogenic Solution LPP Pune                   | 2021-22 | Industry Interaction                           | 198 |
| 36 | PMA, Pune  | 2021-22 | Industry Interaction                           | 202 |
| 37 | iNODE Software Company Baner Pune                | 2021-22 | Industry Interaction                           | 209 |
| 38 | Water Field research foundation Thane            | 2021-22 | Industry Interaction                           | 213 |
| 39 | Water Field Technology Pvt. Ltd.                 | 2021-22 | Industry Interaction                           | 216 |



  
**PRINCIPAL**  
 ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
 COLLEGE OF ENGINEERING  
 KENNEDY ROAD, PUNE-411 001



# AISSMS

## COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra,  
Affiliated to Savitribai Phule Pune University and recognized under 2(f) and 12 (B) by UGC  
(Id.No.PU/PN/Engg./093 (1992), AISHE Code No. C-41227

**Accredited by NAAC with A+ Grade**



**SHRI MALOJIRAJE CHHATRAPATI**  
Honorary Secretary

**Dr. D. S. BORMANE**  
Principal

## Memorandum of Understanding

Between

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**AND**

**SUNSHINE POWERTRONICS PVT. LTD., PUNE**

AISSMS COE, PUNE  
1992-2017

## PREAMBLE

Whereas, The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various engineering disciplines of Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate engineering courses in Chemical, Civil (Structure), Computer, Electrical (Power Electronics and Drives), Electronics and Telecommunication (Microwave) and Mechanical Engineering (Automotive and Design).

Whereas, Sunshine Powertronics Pvt. Ltd., Pune is a leading Manufacturer of street light driver, led tubelight & dc led lights since 2015 in Pune, Maharashtra.

Whereas both the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions as set forth in this Memorandum of Understanding ( MoU).

### OBJECTIVES OF MOU

1. To promote Industry institute interaction.
2. To provide access to industrial environment for the students and faculty.
3. To promote any other appropriate mode of interaction agreed upon between industry and institute.

Now, therefore this agreement is signed between the parties;

The AISSMS College of Engineering, 1, Kennedy Road, Pune - 411 001, Maharashtra (Hereinafter referred as AISSMS, COE, Pune)

And

Sunshine Powertronics Pvt. Ltd., B403 Bella Vista, 75/1,75/2 Pune-solapur road, Manjari, Pune 412307

Whereas, the following is agreed upon by both the parties

#### (A) SCOPE AND TERMS OF INTERACTION

The AISSMS, COE, Pune and IVPL shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

1. Sunshine Powertronics Pvt. Ltd. shall share their knowledge and expertise by way of joint conferences and seminars/workshops.
2. Sunshine Powertronics Pvt. Ltd. shall provide practical training to AISSMS, COE students at industry
3. Sunshine Powertronics Pvt. Ltd. may depute its personnel to conduct expert lectures at AISSMS, COE, Pune.
4. Sunshine Powertronics Pvt. Ltd. will facilitate periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with professionals.
5. Sunshine Powertronics Pvt. Ltd. would offer summer internship to interested students of AISSMS, COE at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided between IVPL and AISSMS, COE every year.
6. Sunshine Powertronics Pvt. Ltd. may showcase its business activities at the seminar or workshop or conference etc at AISSMS, COE.
7. Sunshine Powertronics Pvt. Ltd. would help the students of AISSMS, COE for project based learning by allowing to carryout PG/UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirements.
8. Sunshine Powertronics Pvt. Ltd. & AISSMS, COE shall work jointly on certain technical problem faced by IVPL.
9. AISSMS, COE shall nominate one faculty for each project given by Sunshine Powertronics Pvt. Ltd.. The faculty shall closely monitor the progress of the project & shall closely monitor the program review meeting at the Industry once a month.

#### (B) FINANCIAL ARRANGEMENTS

The collaborative program between AISSMS, COE and Sunshine Powertronics Pvt. Ltd. shall be Academic & Industry related with no financial implications.

(C) INTELLECTUAL PROPERTY RIGHTS

Rights regarding publications, patents, royalty, ownership of software/design/product etc. developed under the scope of this MoU, shall be decided by both the parties by mutual consent, till then no party will have any kind of legal rights whatsoever on the publications, patents, royalty, ownership of software/design/product etc.

(D) CONFIDENTIALITY

The AISSMS, COE and the Sunshine Powertronics Pvt. Ltd. agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side.

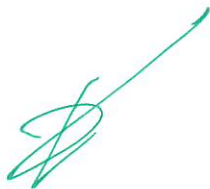
(E) COORDINATORS

Both sides will designate one or two persons who will be responsible for overall coordination and implementation of this agreement.

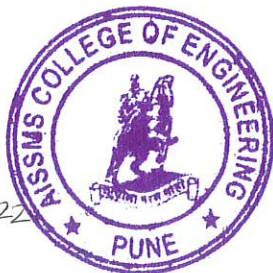
(F) DURATION OF MOU

This MoU will come in force from the date of signing of the MoU by the representatives of both the parties. It will remain valid for a period of **five** years, and may be continued after suitable review and mutual agreement. Either party may terminate the MoU by giving written notice to other party three months in advance. Once terminated, neither AISSMS, COE nor Sunshine Powertronics Pvt. Ltd. will be responsible for any losses, financial or otherwise, which the other party may suffer.

This MoU is signed on this day of **Monday** of **7/3/2022** by both the parties, subject to approval of the respective academic/administrative bodies.



On behalf of AISSMS, COE  
Signed by:

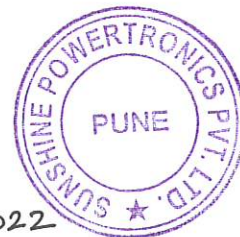


Date:

07/03/2022



On behalf of Sunshine Powertronics Pvt. Ltd.  
Signed by:



Date:

07/03/2022

# Sunshine Powertronics Pvt Ltd

Reg.Off- B403, Karan Bella Vista, Sr.No 75/1,75/2 , Pune-Solapur Road, Manjari, Pune-412307

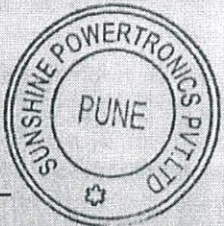
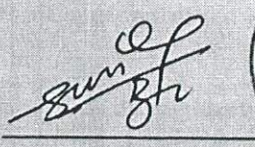
Date: 04/02/2023

## CERTIFICATE OF INTERNSHIP


This is to certify that **Mr. NITIN TANDALE** AISSMS College of Engineering, Pune, has successfully completed 01 (One) month long internship programme at the **Sunshine Powertronics Pvt Ltd**. During the period of his internship programme with us he has found to be punctual, sincere and hardworking.

We wish him a successful and bright future

For, Sunshine Powertronics Pvt Ltd.



Authorized Signature



**Head**  
Department of Electronics & Telecommunication  
AISSMS's COE PUNE-411001.

 **Sunshine Powertronics Pvt Ltd**

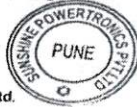
Reg.Off- B403, Karan Bella Vista, Sr.No 75/1,75/2 , Pune-Solapur Road, Manjari, Pune-412307

Date 04/02/2021

**CERTIFICATE  
OF INTERNSHIP**

This is to certify that **Mr. ATHARVA SHELKE** AISSMS College of Engineering, Pune, has successfully completed 01 (One) month long internship programme at the **Sunshine Powertronics Pvt Ltd**. During the period of his internship programme with us he has found to be punctual, sincere and hardworking.

We wish him a successful and bright future



For, Sunshine Powertronics Pvt Ltd.



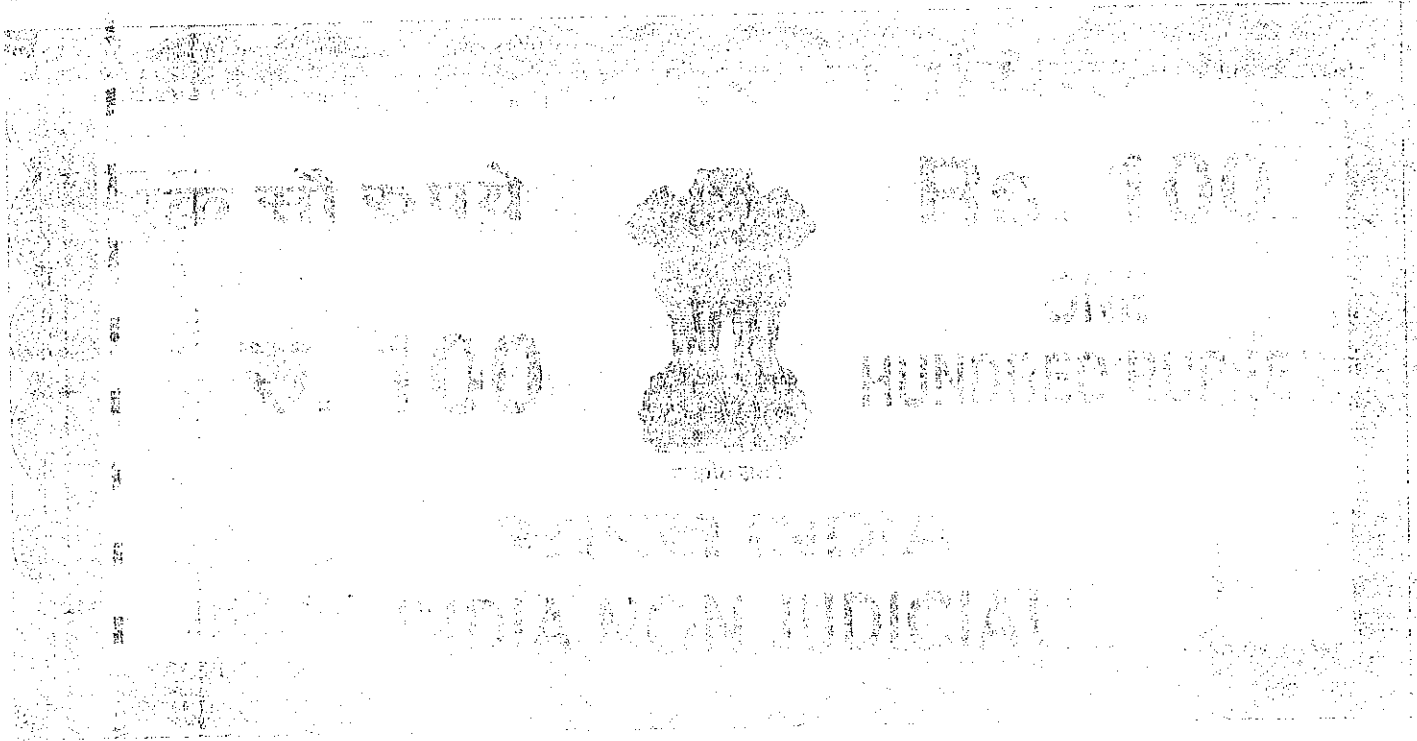
Authorized Signature

[www.sunshinepowertronics.com](http://www.sunshinepowertronics.com), [sunshinepowertronics@gmail.com](mailto:sunshinepowertronics@gmail.com)



**Head**  
Department of Electronics & Telecommunication  
AISSMS's COE PUNE-411001.





महाराष्ट्र MAHARASHTRA

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07AA 20000

अनु. क्र. 1533 दि. 04 MAY 2022 रकम 100/-

दस्ताचा प्रकार .....

दस्त नोंदणी करणार आहेत का ? होय / नाही Affidavit

मिळकतीचे वर्णन .....

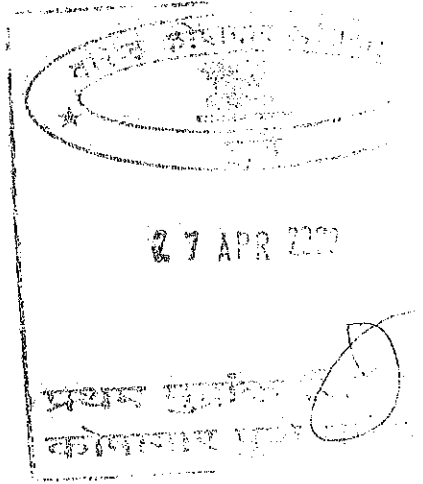
मुद्रांक विकत घेणाऱ्यांचे नांव Aissms COE

पत्ता Koneri Rd Pune

दुसऱ्या पक्षकाराचे नांव .....

पत्ता .....

हस्ते व्यक्तीचे नांव व पत्ता Prashant M. Warke  
Kagharwad Pune



*Handwritten signature*

मुद्रांक विकत घेणाऱ्याची सही  
पदाक खरेदी करतानाच व पहिल्याच वाचरणे बघतकारक आहे

रंजिताप एच. पवार  
पावना क्र. 2201082  
430 मंगळवार पेठ, पुणे - 11

Annex 4

TNMD/SC/4 Issue: Apr 2021

**UNDERTAKING**

The undertaking is given at AISSMSCOE, Pune on this Wednesday, 04<sup>th</sup> May of 2022 by the mentor Shri. Prashant Motiram Warke. Standards Club, AISSMSCOE, Pune 411001 Which shall include its successors and assigns, recognized by the Bureau of Indian Standards (hereinafter referred to as "the Bureau") vide Letter No. TNMD/SC/1 Issue: Mar 2021 dated 08/03/2022 in accordance to the guidelines in Standards Clubs approved by the Director General of the Bureau.

2. WHEREAS the said Standard Club will submit the details of the programme to the Head of Pune Branch Office of the Bureau. As per the Guidelines, the Standards Club is eligible for drawing an amount of Rs. 5,000/- (Rupees Five Thousand Only) as an advance towards the total financial support of maximum Rs. 10,000/- for each of the three activities in a year for each Standards Club, on the terms and conditions specified in the Guidelines.

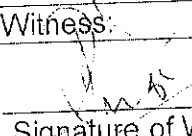
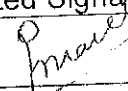
3. Now, it is hereby agreed by the said Standards Club that, in consideration of the sum of Rs. 5,000/- (Rupees Five Thousand Only) given as advance by the Bureau, the Standards Club has agreed to the following terms and conditions :

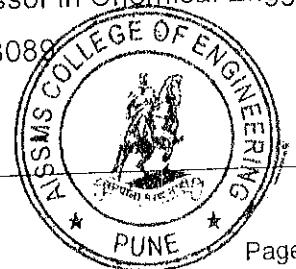
- i) To refund advance amount in case the activity, for which it has been paid by the Bureau, is not completed by the Standards Club; and
- ii) To refund the unspent amount of advance, if any, on completion of the activity; and
- iii) To refund the advance amount in case the Standard Club is derecognized by the Bureau

4. It is hereby further agreed and declared that the said Standards Club shall not spend the amount of advance for any activity other than that has been approved by the Head of Pune Branch Office of the Bureau. Hence, the amount of advance shall be used by the Standards Club only for the purpose or purposes for which the amount was sanctioned.

5. IN WITNESS WHEREOF these presents has been executed by the Standards Club on the day and year first above written.

6. The Standard Club has agreed to bear the Stamp duty chargeable on this document.

|  |   |
|--|---|
| Witness:   | Authorized Signatory (Mentor)   |
| <br>Signature of Witness        | <br>Signature of Mentor                     |
| Name : Dr. P N Dange<br>Address: AISSMSCOE, Pune<br>ID: Head, Department of Chemical Engg<br>Mobile No. 8097399142 | Name: Mr. P M Warke<br>Address : AISSMSCOE, Pune<br>ID : Assistant Professor in Chemical Engg<br>Mobile No. 9823103089<br>Seal: |





# AISSMS

COLLEGE OF ENGINEERING

ज्ञानम् सकलजनहिताय



Approved by AICTE, New Delhi, Recognized by Government of Maharashtra  
Affiliated to Savitribai Phule Pune University and recognized 2(f) and 12(B) by UGC  
(Id.No. PU/PN/Engg./093 (1992))

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## Seminar Activity Report

**Name of the Activity:** Seminar on "Bureau of Indian Standards- An overview and Guideline for standards club activities in engineering college" organized by Standards' Club (BIS), AISSMSCOE

**Objectives of the activity:**

1. Aware the students about the functioning and importance of the Bureau of Indian Standards (BIS).
2. Aware the students regarding standards' club activities in engineering college & its benefits.

**Topic/Theme:** Bureau of Indian Standards- An overview and Guidelines for standards club activities in engineering colleges.

**Activity level:** Institute Level

**Date and Timings:** August 21, 2023, 3.15pm

**Venue:** Room No: 324

**Speaker:** Prof P M Warke

**Coordinator:**

Prof. P M Warke (Institute level Mentor, 'Standards' Club under BIS, Pune)

Prof. M P Shah (Faculty Coordinator, 'Standards' Club under BIS, Pune)

**No. of Attendees:** 43

Students: 38 (Standards' club Members from Chemical and Mechanical Engineering)

Faculties: 05 (Dr. M Y Naniwadekar, Prof. (Mrs.) K N Bawankar and Dr. Barnali Banarjee, Prof. (Mrs.) M P Shah, Prof. P M Warke)

**Outcome:**

Students understand the importance and necessity of knowledge about 'Standards' and Quality, which will stand them in good stead when they enter their professional lives.


## Glimpses of the event:





### Seminar on Bureau of Indian Standards: An Overview


By: Standards club BIS AISSMS COE, PUNE

Topics covered: Awareness of Standards, purpose, types of Standards, Standardization, and guidelines to conduct BIS activities in Engineering Institutes/ Colleges.

 **Class room 324**

 **21Aug,2023**

 **3:15 pm**

 **Prof. P. M Warke**  
Mentor, Standards club



**Faculty coordinator**  
Prof. (Mrs) M. P. Shah,  
Dept of Mechanical  
Engineering

**Faculty advisors**  
Dr.M.Y.Naniwadekar,  
HOD-Chemical Engineering,  
Dr.S.V.Chaitanya,  
HOD- Mechanical Engineering

**Guidance and support**  
Dr. D. S. Bormane,  
Principal, AISSMS  
COE, Pune

**Student Coordinators**  
Vaishnavi Ghorpade, Tanvi Naik, Shruti Panchalwar, Aniruddha Kamat

## Event Flyer



Information regarding Standards' Club activities share by Prof. P M Warke, Mentor, Standards' club



**Photos of Interaction Session & Attendance Sheets :**

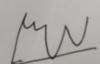
Time:- 3:00-4:30

**BUREAU OF INDIAN STANDARDS CLUB**  
**Attendance Sheet 2022-23**  
**Department: Mechanical**  
**Day & Date: MONDAY 21th Aug 2023**

| Sr. No. | Roll No. | Name of Student        | Signature of Student |
|---------|----------|------------------------|----------------------|
| 1       | 21ME014  | Jiten Chardiya         | Jit                  |
| 2       | 22ME313  | Gaonkar Swapnil Sudhir | Swapnil              |
| 3       | 22ME315  | Pranav Bhapkar         | Pranav               |
| 4       | 22ME311  | Samarth Gaikwad        | Samarth              |
| 5       | 21ME003  | Anvudha Kumat          | Anvudha              |
| 6       | 21ME086  | Shimpi Om.             | Shimpi               |
| 7       | 21ME077  | Nikhil Ruypanhit       | Nikhil               |
| 8       | 21MS001  | Deepankar R. Apte.     | Deepankar            |
| 9       | 21ME091  | Harshit Singh          | Harshit              |
| 10      | 21CH003  | Poo Nam P. Biradar     | Poo Nam              |
| 11      | 22CH309  | Kaveri S. Salve        | Kaveri               |
| 12      | 22CH303  | Siddhi V. Munbhavit    | Siddhi               |
| 13      | 21ME090  | Shreya Jadhav          | Shreya               |
| 14      | 21ME100  | Vaishnavi Pasalkar     | Vaishnavi            |
| 15      | 21ME922  | Shruti Panchalwar      | Shruti               |
| 16      | 20ME071  | Pratik Patil           | Pratik Patil         |

*P. Prasad*

(Faculty Coordinator & Speaker)

  
 Head  
 Dept of Chemical Engg.  
 AISSMS, COE, PUNE-01.

**Memorandum of Understanding**

**Between**

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**AND**

**INDUSTRY**

*Shree Samarth Associates*

*Shivane, Pune, 411023*

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## PREAMBLE

The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various disciplines of engineering such as Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate courses in Chemical, Structure, Computer, Power Electronics and Drives, Microwave, Automotive and Design.

This agreement is signed between

Whereas, AISSMS College of Engineering, Kennedy road, Pune - 411 001, Maharashtra. (Herein after referred as AISSMSCOE)

Whereas, Industry is engaged in ~~Construction~~ with its registered office at Shivane, Pune.

Whereas the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions set forth in this memorandum of understanding ( MoU).

## OBJECTIVES OF MOU

1. To promote Industry institute interaction.
2. To promote industry driven research and innovation
3. To provide access to industrial environment for the students and faculty.
4. To promote any other appropriate mode of interaction agreed upon between industry and institute.

## SCOPE AND TERMS OF INTERACTION

Both AISSMS COE and Industry shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

1. Industry shall share their knowledge and experience by way of joint conferences and seminars/workshops.
2. Industry shall provide practical training to AISSMS COE students at industry
3. Industry may depute its personnel to conduct expert lectures at AISSMS COE
4. Industry will arrange to provide periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with members of industry.
5. Industry would offer summer internship to interested students of AISSMS COE at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided between Industry and AISSMS COE every year.
6. Industry may seek assistance/ guidance of AISSMS COE faculty members in technical problems, trouble shooting etc.
7. Industry may showcase its business activities at the seminar or workshop or conference etc at AISSMS COE.
8. Industry may avail library, internet, and computational facilities at AISSMS COE.
9. Industry would help the students of AISSMS COE for project based learning by allowing to carryout PG/UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirements.

#### FINANCIAL ARRANGEMENTS

1. The collaborative program between AISSMS COE and INDUSTRY shall be coordinated by a coordination committee appointed by Directors of both the Institutes.
2. Financial arrangements for each specific collaboration will be decided on a case-to-case basis and brought on record in each case after due approval from heads of both the Institutions.



#### INTELLECTUAL PROPERTY RIGHTS

Rights regarding publications, patents, royalty, ownership of software/design/product developed etc. under the scope of this MoU, shall be decided by the two parties by mutual consent.

#### CONFIDENTIALITY

The AISSMS COE and the industry agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side

#### COORDINATORS

Both sides will designate persons who will have responsibility for coordination and implementation of this agreement.

#### DURATION OF MOU

This MoU will take effect from the date it is signed by the representatives of the parties. It will remain valid for five years and may be continued thereafter after suitable review and agreement. Either party may terminate the MoU by giving written notice to other party six months in advance. Once terminated, neither AISSMS COE nor industry will be responsible for any losses, financial or otherwise, which the other party may suffer.

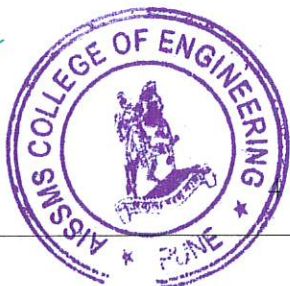
This MoU is signed subjective approval of the respective academic/administrative bodies.

On behalf of AISSMS COE

Signed by: 

Full name & Sign: Dr. R.D. Naikwade

Designation:  
Head of Institute



On behalf of Industry Shree Somarth Associates.

Signed by: Vaibhav Thakare.

Date: 20/05/23

Stamp of Industry





SHREE

SAMARTH


ASSOCIATES

Site Add:- Sr No 77/7, Dangat Vasti, Industrial Estate, Near Aditya Hotel, Shivane Pune . 411023. Mob: +91 9822211987.

## CERTIFICATE OF INTERNSHIP

TO WHOMSOEVER IT MAY CONCERN

This is certify that, Mr. **TEJAS VISHWAS JADHAV**, Roll No**20CV047** of Class TE Civil studying at Department of Civil Engineering, AISSMS College of Engineering, Kennedy road , Pune-411001, has successfully completed Internship training at our firm SHREE SAMARTH ASSOCIATES AT Shivane, Pune 411023 from 01/12/2022 to 31/12/2022

  
HEAD OF DEPARTMENT  
CIVIL ENGINEERING  
AISSMS's COE, PUNE-1.



# Memorandum of Understanding

Between

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**



**AISSMS**  
**COLLEGE OF ENGINEERING**

ज्ञानम् सकलजनहिताय  
Accredited by NAAC with "A+" Grade



**AND**

**GREEN ECOMES SOLUTIONS PVT. LTD. (GES)**



## PREAMBLE

The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various disciplines of engineering such as Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate courses in Chemical, Structure, Computer, Power Electronics and Drives, Microwave, Automotive and Design.

This agreement is signed between

Whereas, AISSMS College of Engineering, Kennedy road, Pune - 411 001, Maharashtra. (Herein after referred as AISSMSCOE)

Whereas, GES is engaged in BIM and Green Building Design Services with its registered office at C-1003, Sky Heights Building, Matoshree Garden, Pisoli, Pune – 411060.

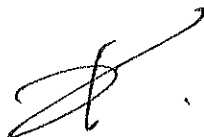
Whereas the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions set forth in this memorandum of understanding ( MoU).

## OBJECTIVES OF MOU

1. To promote Industry institute interaction.
2. To promote industry driven research and innovation
3. To provide access to industrial environment for the students and faculty.
4. To promote any other appropriate mode of interaction agreed upon between industry and institute.

## SCOPE AND TERMS OF INTERACTION

Both AISSMS COE and Industry shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements



1. GES shall share their knowledge and experience by way of joint conferences and seminars/workshops.
2. GES shall provide practical training to AISSMS COE students at industry
3. GES may depute its personnel to conduct expert lectures at AISSMS COE
4. GES will arrange to provide periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with members of industry.
5. GES would offer summer internship to interested students of AISSMS COE at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided between Industry and AISSMS COE every year.
6. GES may seek assistance/ guidance of AISSMS COE faculty members in technical problems, troubleshooting etc.
7. GES may showcase its business activities at the seminar or workshop or conference etc at AISSMS COE.
8. GES may avail library, internet, and computational facilities at AISSMS COE.
9. GES would help the students of AISSMS COE for project-based learning by allowing to carryout PG/UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirements.

#### FINANCIAL ARRANGEMENTS

1. The collaborative program between AISSMS COE and INDUSTRY shall be coordinated by a coordination committee appointed by Directors of both the Institutes.
2. Financial arrangements for each specific collaboration will be decided on a case-to-case basis and brought on record in each case after due approval from heads of both the Institutions.

#### INTELLECTUAL PROPERTY RIGHTS

Rights regarding publications, patents, royalty, ownership of software/design/product developed etc. under the scope of this MoU, shall be decided by the two parties by mutual consent.

#### CONFIDENTIALITY

The AISSMS COE and the industry agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side

#### COORDINATORS

Both sides will designate persons who will have responsibility for coordination and implementation of this agreement.

#### DURATION OF MOU

This MoU will take effect from the date it is signed by the representatives of the parties. It will remain valid for five years and may be continued there after after suitable review and agreement. Either party may terminate the MoU by giving written notice to other party six months in advance. Once terminated, neither AISSMS COE nor industry will be responsible for any losses, financial or otherwise, which the other party may suffer.

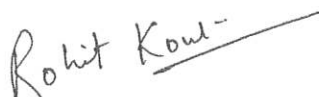
This MoU is signed subjective approval of the respective academic/administrative bodies.

On behalf of AISSMS COE  
Signed by:

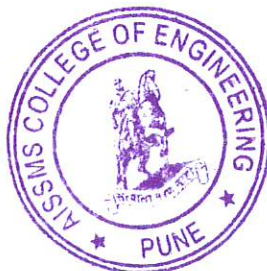
  
**PRINCIPAL**  
**AISSMS, COE. PUNE-1**

Date: 14/09/2021

On behalf of Industry  
Signed by: Rohit Koul (MD)



Date: 14/09/2021





## Department of Civil Engineering

### REPORT

1. **Activity:** Interaction with the experts.
2. **Date:** 16 /03/2022
3. **Speakers:** 1. **Rohit Koul**  
2. **Er. Aniket Nampalliwar**  
Managing Director  
Green Ecomes Solutions Pvt. Ltd.
4. **Convenor:** Prof. Shilpi Bhuinyan
5. **Industrial Training and Placement coordinator:** Dr. V.S. Chavhan  
Prof. K.N. Kulkarni
6. **Objectives:**
  - To guide the students to improve their technical skills as per requirement of the industry.
  - To interact with the students about industry exposure.
7. **No. of participants:** 110
8. **Brief description:**
  - Green Ecomes Industry perspective for students.
  - Application of engineering knowledge with day-to-day problems.
  - Need of Industrial Training.
  - Start-up vs move with the wind.



# AISSMS

## COLLEGE OF ENGINEERING

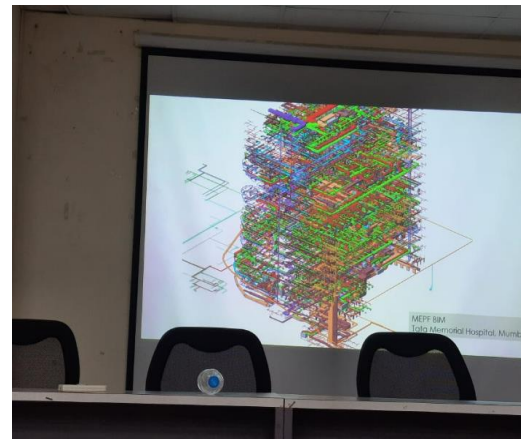
ज्ञानम् सकलजनहिताय  
Accredited by NAAC with "A+" Grade



### 9. Photographs:



### Felicitation of Speakers



### Interaction With Students and Faculties

HEAD OF DEPARTMENT  
CIVIL ENGINEERING  
AISSMS's COE, PUNE-1



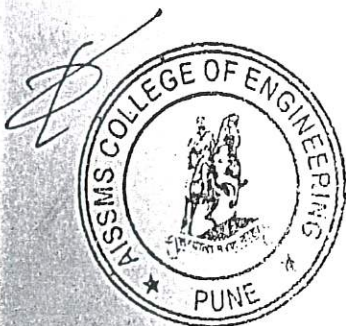
**MEMORANDUM OF UNDERSTANDING**

**Between**

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**AND**

**World Vision InfoTech Pvt Ltd, Pune-411033**



## PREAMBLE

Whereas, The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various engineering disciplines of Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate engineering courses in Chemical, Civil (Structure), Computer, Electrical (Power Electronics and Drives), Electronics and Telecommunication (Microwave) and Mechanical Engineering (Automotive and Design).

World Vision Infotech Private Limited (CIN: U72900PN2014PTC152595) registered in India under Companies Act 2013 and is limited by shares in year 2014 and corporate office at RegOffice: SNO 22/5/2 BNO A/10, Krantiveer Nagar, Thergaon, Pune 411033 and development center at Row house no 4, ElliteBrookland, Sr No 22/5 Baner-balewadi, DP Road, Balewadi, Pune, Maharashtra 411045

Whereas both the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions as set forth in this Memorandum of Understanding ( MOU).

## OBJECTIVES OF MOU

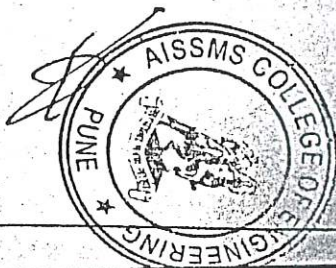
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2. To provide Industrial training and visit
3. To provide technical seminar/training to students
4. To provide Faculty Development Programs
5. To conduct quiz competition
6. To provide placement guidance
7. To conduct job fair at AISSMS COE
8. To promote any other appropriate mode of interaction agreed upon between World Vision Infotech Private Limited and AISSMS COE

Now, therefore this agreement is signed between the parties;

The AISSMS College of Engineering, 1, Kennedy Road, Pune - 411 001, Maharashtra

And

World Vision Infotech Private Limited, SNO 22/5/2 BNO A/10, Krantiveer Nagar, Thergaon, Pune 411033



H.O.D.  
Computer Engg Dept  
AISSMS COE Pune

## (A) SCOPE AND TERMS OF INTERACTION

The AISSMSCOE, Pune and World Vision Infotech Private Limited shall encourage interaction between the faculty members and students through following arrangements.

1. World Vision Infotech Private Limited shall share their knowledge and expertise by way of joint seminars and workshops at AISSMS COE for students on new technology (Data science, AI and many more).
2. World Vision Infotech Private Limited shall conduct seminars, workshops and programs for AISSMS COE faculties.
3. World Vision Infotech Private Limited will facilitate periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with professionals.
4. World Vision Infotech Private Limited may showcase its business activities at the seminar or workshops etc. at AISSMS, COE.
5. World Vision Infotech Private Limited shall conduct National Aptitude test at AISSMS COE.
6. World Vision Infotech Private Limited shall provide placement guidance to AISSMS COE students as per campus recruiter company requirements.
7. World Vision Infotech Private Limited shall organize job fair at AISSMS COE.
8. World Vision Infotech Private Limited and AISSMS COE shall work jointly on certain technical problem

## (B) FINANCIAL ARRANGEMENTS

The collaborative program between AISSMS, COE and World Vision Infotech Private Limited shall be Academic & Industry related with financials related to training & placement be decided mutually.

## (C) INTELLECTUAL PROPERTY RIGHTS

Rights regarding publications, patents, royalty, ownership of software/design/product etc. developed under the scope of this MOU, shall be decided by both the parties by mutual consent, till then no party will have any kind of legal rights whatsoever on the publications, patents, royalty, ownership of software/design/product etc.



3



*Rohit Kulkarni*  
H.O.D.  
Computer Engg Dept  
AISSMS COE Pune

## (D) CONFIDENTIALITY

The AISSMS COE and World Vision Infotech Private Limited agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MOU and will not disclose the same to any third party without written consent of the other side.

## (E) COORDINATORS

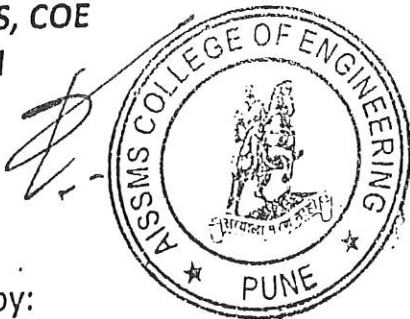
Both sides will designate one or two persons who will be responsible for overall coordination and implementation of this agreement.

## (F) DURATION OF MOU

This MOU will come in force from the date of signing of the MOU by the representatives of both the parties. It will remain valid for a period of three years, and may be continued after suitable review and mutual agreement. Either party may terminate the MOU by giving written notice to other party three months in advance. Once terminated, neither AISSMSCOE nor World Vision Infotech Private Limited will be responsible for any losses, financial or otherwise, which the other party may suffer.

This MOU is signed on this day of 11<sup>th</sup> October 2021, by both the parties, subject to approval of the respective academic/administrative bodies.

Principal  
AISSMS, COE  
Limited



Signed by:

Date:

Witness:

Dr. D P Gaikwad  
Head of Department

Deepali Ujalambarkar  
Faculty Coordinator

Director  
World Vision Infotech Private





Signed by: Rohit Kulkarni, Director

Date: 11<sup>th</sup> Oct, 2021

Witness:

Mr. Gaibhinath Wayal  
Software Engineer

Mr. Sunil Shahapurkar  
Director

H.O.D.  
Computer Engg Dept  
AISSMS COE Pune



## REPORT OF GUEST LECTURE

**Name of event: Guest Lecture**

**Date: 18<sup>th</sup> April 2023**

**Time: 11.30am to 12.30pm**

**Class: BE computer**

**AISSMS College of Engineering**, on 18<sup>th</sup> April organized the Guest lecture for students of BE (Computer Engineering). The speaker was **Mr. Rohit Kulkarni**. He is a **Director of World vision infotech, pvt. Ltd.**

The topic for the group discussion was "**Business Intelligence & Its Applications**".

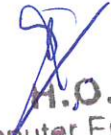
The objective of the session was to familiarize students with BI tools and technology. The scope of BI and the potential it holds for future. Its current applications and future scope.

### AGENDA:

1. Introduction of Guest
2. Introduction of Topic
3. Index of topics
4. Discussion
5. Conclusion

### OUTCOMES AND OBSERVATIONS:

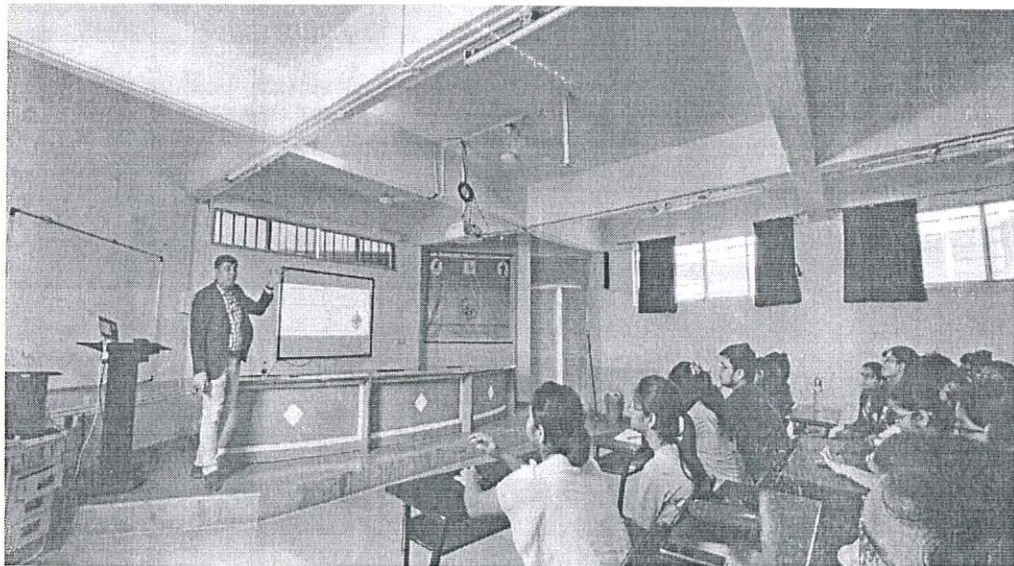
1. Students were able to understand the application of different BI tooling.
2. What are the use of different dashboards and different components of dashboards.
3. How companies push in data in BI systems and gain insights for the business performance in current market situations.

  
H.O.D.  
Computer Engg Dept  
AISSMS COE Pune

4. They can also predict the performance of business in different market conditions in future and plan the resources accordingly.

5. Dashboards can give real-time insights of profits for organization and future growth of it.

### SOME GLIMPSE:



Dr D M Ujalambkar

Faculty Co-ordinator

HOD

**H.O.D.**  
Computer Engg Dept  
AISSMS COE Pune



## MEMORANDUM OF UNDERSTANDING

Between



# AISSMS



COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi, Recognized by  
Govt. of Maharashtra, Affiliated to Savitribai Phule Pune University  
and recognized 2(F) and 12(B) by UGC (Id.No. PU / PN/ Engg. / 093 (1992)  
Accredited by NAAC with 'A+' Grade

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S**

**COLLEGE OF ENGINEERING, PUNE – 411 001**

AND



**ELITE SOFTWARES, PUNE**

**H.O.D.**  
Computer Engg Dept  
AISSMS COE Pune

## PREAMBLE

Whereas, The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various engineering disciplines of Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate engineering courses in Chemical, Civil (Structure), Computer, Electrical (Power Electronics and Drives), Electronics and Telecommunication (Microwave) and Mechanical Engineering (Automotive and Design).

**ELITE SOFTWARES** a proprietor firm, having its registered offices Cohive, Dnyanvatsal Commercial complex, Opp. Vandevi mandir, Karve Road, Kothrud, Pune - 411052 (hereinafter referred to as "Elite Softwares") (which expression shall, unless repugnant to the context or meaning thereof, be deemed to mean and include its successors and permitted assigns) of the ONE Part

Whereas both the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions as set forth in this Memorandum of Understanding (MOU).

## OBJECTIVES OF MOU

1. To promote industry institute interaction
2. To provide Industrial training and visit
3. To provide technical seminar/training to students
4. To provide Faculty Development Programs
5. To conduct quiz competition
6. To provide placement guidance
7. To conduct job fair at AISSMS COE
8. To promote any other appropriate mode of interaction agreed upon between ELITE SOFTWARES and AISSMS COE

Now, therefore this agreement is signed between the parties;

The AISSMS College of Engineering, 1, Kennedy Road, Pune - 411 001, Maharashtra

And

ELITE SOFTWARES, Cohive, Dnyanvatsal Commercial complex, Opp. Vandevi mandir, Karve Road, Kothrud, Pune - 411052



## (A) SCOPE AND TERMS OF INTERACTION

The AISSMSCOE, Pune and ELITE SOFTWARES shall encourage interaction between the faculty members and students through following arrangements.

1. ELITE SOFTWARES shall share their knowledge and expertise by way of joint seminars and workshops at AISSMS COE for students on new technology (Python, Data Science and many more).
2. ELITE SOFTWARES shall conduct seminars, workshops and programs for AISSMS COE faculties.
3. ELITE SOFTWARES will facilitate periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with professionals.
4. ELITE SOFTWARES may showcase its business activities at the seminar or workshop etc. at AISSMS, COE.
5. ELITE SOFTWARES shall conduct National Aptitude test at AISSMS COE.
6. ELITE SOFTWARES shall provide placement guidance to AISSMS COE students as per campus recruiter company requirements.
7. ELITE SOFTWARES shall organize job fair at AISSMS COE.
8. ELITE SOFTWARES, and AISSMS COE shall work jointly on certain technical problem

## (B) FINANCIAL ARRANGEMENTS

The collaborative program between AISSMS, COE and ELITE SOFTWARES shall be Academic & Industry related with financials related to training & placement be decided mutually.

## (C) INTELLECTUAL PROPERTY RIGHTS

Rights regarding publications, patents, royalty, ownership of software/design/product etc. developed under the scope of this MOU, shall be decided by both the parties by mutual consent, till then no party will have any kind of legal rights whatsoever on the publications, patents, royalty, ownership of software/design/product etc.

## (D) CONFIDENTIALITY

The AISSMS COE and ELITE SOFTWARES agree to hold in confidence all information/data which obtained from either side or created during the performance of the MOU and will not disclose the same to any third party without written consent of the other side.

H.O.D.  
Computer Engg Dep  
AISSMS COE Pune

### (E) COORDINATORS

Both sides will designate one or two persons who will be responsible for overall coordination and implementation of this agreement.

### (F) DURATION OF MOU

This MOU will come in force from the date of signing of the MOU by the representatives of both the parties. It will remain valid for a period of three years, and may be continued after suitable review and mutual agreement. Either party may terminate the MOU by giving written notice to other party three months in advance. Once terminated, neither AISSMSCOE nor ELITE SOFTWARES will be responsible for any losses, financial or otherwise, which the other party may suffer.

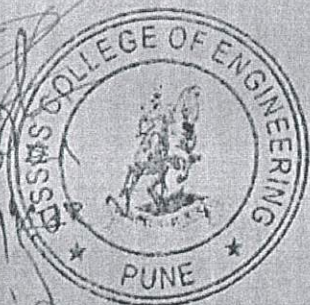
This MOU is signed on this day of Friday of 01/10/2021 by both the parties, subject to approval of the respective academic/administrative bodies.

Principal  
AISSMS, COE

Signed by:

Date:

Witness:



Dr. D P Gaikwad  
Head of Department

V A Gire (Waykule)  
S J Pachouly  
Faculty Coordinator

Founder and CEO  
ELITE SOFTWARES, PUNE



Signed by:

Date:

Witness:

1/10/2021  
S. Pachouly

H.O.D.  
Computer Engg Dept  
AISSMS COE Pune

TO WHOMSOEVER IT MAY CONCERN

**INTERNSHIP CERTIFICATE**

This is to certify that Sanjana Vijaykumar Phand has successfully completed internship in “Web Development, Python-Django Framework Intern” under the assistance and guidance in connection with his/her Industrial Internship at Elite Softwares.

Duration of this Internship was from 23<sup>rd</sup> / January / 2023 to 23<sup>rd</sup> / March / 2023

He/she was found sincere & hard working during this tenure.

We wish him/her all the best for his/her future endeavors.



Best Regards,

Swami Panjala  
Founder and CEO  
Elite Softwares, Pune

**H.O.D.**  
Computer Engg Dept  
AISSMS COE Pune



TO WHOMSOEVER IT MAY CONCERN

## INTERNSHIP CERTIFICATE

This is to certify that Sanket Avinash Kewale has successfully completed internship in “**Web Development, Python-Django Framework Intern**” under the assistance and guidance in connection with his/her Industrial Internship at Elite Softwares.

Duration of this Internship was from **5<sup>th</sup> / December / 2022 to 8<sup>th</sup> / February / 2023**

He/she was found sincere & hard working during this tenure.

We wish him/her all the best for his/her future endeavors.



Swami Panjala  
Founder and CEO  
Elite Softwares, Pune

  
**H.D.D.**  
Computer Engg Dept  
AISSMS COE Pune

TO WHOMSOEVER IT MAY CONCERN

INTERNSHIP CERTIFICATE

This is to certify that Sanket Ranjeet Lipne has successfully completed internship in “Web Development, Python-Django Framework Intern” under the assistance and guidance in connection with his/her Industrial Internship at Elite Softwares.

Duration of this Internship was from 5<sup>th</sup> / December / 2022 to 3<sup>rd</sup> / February / 2023

He/she was found sincere & hard working during this tenure.

We wish him/her all the best for his/her future endeavors.



Best Regards,  
Swami Panjala  
Founder and CEO  
Elite Softwares, Pune

  
- H.O.D.  
Computer Engg Dept  
AISSMS COE Pune



# AISSMS COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra,  
Affiliated to Savitribai Phule Pune University and recognized under 2(f) and 12 (B) by UGC  
(Id.No.PU/PN/Engg./093 (1992), AISHE Code No. C-41227  
Accredited by NAAC with A+ Grade



**SHRI MALOJIRAJE CHHATRAPATI**  
Honorary Secretary

**Dr. D. S. BORMANE**  
Principal

## Memorandum of Understanding

Between

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

AND

**KASNET TECHNOLOGIES PRIVATE LIMITED**

1

  
**H.O.D.**  
Computer Engg Dept  
AISSMS COE Pune



# AISSMS

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KasNet Technologies Private Limited is US based leading information technology company which provides software consulting services and custom solutions development to small medium global enterprises. KasNet Technologies solves business and IT challenges by providing Innovative and leading edge value solutions that will accelerate Customers digital transformation landscape. KasNet technologies main goal is QASP, i.e. quality service at affordable price.

Whereas both the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions as set forth in this Memorandum of Understanding (MOU).

### OBJECTIVES OF MOU

1. To promote Industry Institute Interaction
2. To provide Industrial training and visit
3. To provide technical seminar
4. To conduct quiz competition
5. To provide placement guidance
6. To conduct job fair at AISSMS COE
7. To promote any other appropriate mode of interaction agreed upon between KasNet Technologies Private Limited and AISSMS COE

Now, therefore this agreement is signed between the parties;

The AISSMS College of Engineering, 1, Kennedy Road, Pune - 411 001, Maharashtra

And

2

Kennedy Road, Near R.T.O., Pune 411 001, Maharashtra, India  
Tel : +91 20 2605 8587, 2605 7660, 2605 8342  
URL : [www.aissmscoe.com](http://www.aissmscoe.com) Email : [contact@aissmscoe.com](mailto:contact@aissmscoe.com), [principal@aissmscoe.com](mailto:principal@aissmscoe.com)

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Computer Engg Dept  
AISSMS COE Pune



# AISSMS

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SHRI MALOJIRAJE CHHATRAPATI

KasNet Technologies Pvt. Ltd. Industrial Estate Rd, Narhe, Pune, Maharashtra 411041

Dr. D. S. BORMANE  
Principal

### (A) SCOPE AND TERMS OF INTERACTION

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1. KasNet Technologies Private Limited shall share their knowledge and expertise by way of joint seminars and workshops at AISSMS COE for students on new technology.
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### (B) FINANCIAL ARRANGEMENTS

The collaborative program between AISSMS, COE and KasNet Technologies Private Limited shall be Academic & Industry related with no financial implications.

### (C) INTELLECTUAL PROPERTY RIGHTS

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**Dr. D. S. BORMANE**  
Principal

The AISSMS COE and the KasNet Technologies Private Limited agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MOU and will not disclose the same to any third party without written consent of the other side.


### (E) COORDINATORS

Both sides will designate one or two persons who will be responsible for overall coordination and implementation of this agreement.

### (F) DURATION OF MOU


This MOU will come in force from the date of signing of the MOU by the representatives of both the parties. It will remain valid for a period of seven years, and may be continued after suitable review and mutual agreement. Either party may terminate the MOU by giving written notice to other party three months in advance. Once terminated, neither AISSMS COE nor KasNet Technologies Private Limited will be responsible for any losses, financial or otherwise, which the other party may suffer.

This MOU is signed on this day of Monday of 5/12/2022, by both the parties, subject to approval of the respective academic/administrative bodies.


  
Dr. D. S. Bormane  
Principal  
AISSMS, COE

Signed by:

Date:  
Witness:

  
Dr. S. V. Athawale  
Faculty Coordinator  
&  
Head of Department

**For KasNet Technologies Pvt. Ltd.**

  
Amol Aher  
Director and Head of Operations  
KasNet Technologies Private Limited

Director


Signed by:

Date:  
Witness:



4

1, Kennedy Road, Near R.T.O., Pune 411 001, Maharashtra, India  
Tel : +91 20 2605 8587, 2605 7660, 2605 8342  
URL : www.aiissmscoe.com Email : contact@aiissmscoe.com, principal@aiissmscoe.com

  
**H.O.D.**  
Computer Engg Dept  
AISSMS COE Pune

## KasNet Technologies Pvt. Ltd.



Following interaction has been done for the benefit of students

- To synchronize the quality of education to meet the requirements of industry
- To produce Industry -ready students.
- To introduce other value added programs as per industrial needs.
- To integrate industrial training with academic learning.
- To offer research, development, consultancy and testing services to address industrial needs
- To share the experience and expertise between institutions and industry for mutual benefits.
- To improve curricula, faculty, infrastructure, pedagogy in line with the industry's requirements
- To invite Industries for various CSR activities like Lab development, I-Student Internship, Faculty development programmes etc

  
**H.O.D.**  
Computer Engg Dept,  
AISSMS COE Pune



**Acentir**  
Solutions

---

Date: 07/12/2021

## Memorandum of Understanding

Between

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

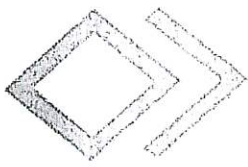
AND

**ASENTIR SOLUTIONS**

---

Acentir Solutions,  
Kadam Plaza, Katraj, Pune-46  
Contact Number- 8788573448  
EMAIL ID – services@acentirsolutions.com  
Examination Services | Digital Transformation

H.O.D.  
Computer Engg Dept  
AISSMS COE Pune



| ASENTIR  
Solutions

#### PREAMBLE

Whereas, the AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various engineering disciplines of Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and postgraduate engineering courses in Chemical, Civil (Structure), Computer (AI and data science), Electrical (Power Electronics and Drives), Electronics and Telecommunication (IoT Sensor Systems) and Mechanical Engineering (Automotive and Design).

Whereas, The ASENTIR SOLUTIONS is engaged in Examination Services and Digital Transformation with its registered office at A2 Kadam Plaza, opp Bharati Hosp, Katraj, Pune - 411046.

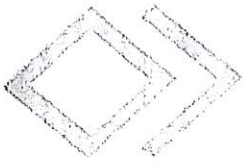
Whereas both the parties have decided to agree to establish ASENTIR SOLUTIONS academic collaboration in the areas of mutual interest and in accordance with terms and conditions as set forth in this Memorandum of Understanding ( MoU).

#### OBJECTIVES OF MOU

1. To promote ASENTIR SOLUTIONS institute interaction.
2. To provide access to an industrial environment for the students and faculty.

Asentir Solutions,  
Kadam Plaza, Katraj, Pune-46  
Contact Number- 8788573448  
EMAIL ID – services@asentirsolutions.com  
Examination Services | Digital Transformation

H.O.D.  
Computer Engg Dept  
AISSMS COE Pune



**Asentir**  
Solutions

- 
3. To promote any other appropriate mode of interaction agreed upon between ASENTIR SOLUTIONS and institute.

Now, therefore this agreement is signed between the parties;

The AISSMS College of Engineering, 1, Kennedy Road, Pune - 411 001, Maharashtra (Hereinafter referred as AISSMS, COE, Pune)

And

The ASENTIR SOLUTIONS, A2 Kadam Plaza, opp Bharati Hosp, Katraj, Pune -411046, Maharashtra (Hereinafter referred as IVPL, Pune)

Whereas, the following is agreed upon by both the parties

**(A) SCOPE AND TERMS OF INTERACTION**

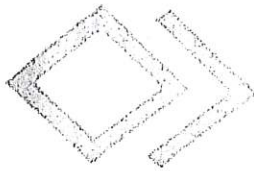
The AISSMS, COE, Pune and IVPL shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

1. ASENTIR SOLUTIONS shall share their knowledge and expertise by way of joint conferences and seminars/workshops.

---

Asentir Solutions,  
Kadam Plaza, Katraj, Pune-46  
Contact Number- 8788573448  
EMAIL ID – services@asentirsolutions.com  
Examination Services | Digital Transformation

**H.O.D.**  
Computer Engg Dept  
AISSMS COE Pune



| ASENTIR  
Solutions

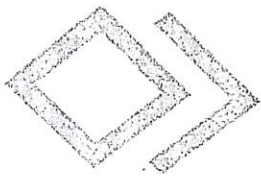
2. ASENTIR SOLUTIONS shall provide practical training to AISSMS, COE students at ASENTIR SOLUTIONS
3. ASENTIR SOLUTIONS may depute its personnel to conduct expert lectures at AISSMS, COE, Pune.
4. ASENTIR SOLUTIONS will facilitate periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with professionals.
5. ASENTIR SOLUTIONS would offer summer internship to interested students of AISSMS, COE at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided between IVPL and AISSMS, COE every year.
6. ASENTIR SOLUTIONS may showcase its business activities at the seminar or workshop or conference etc at AISSMS, COE.
7. ASENTIR SOLUTIONS would help the students of AISSMS, COE for project based learning by allowing to carryout PG/UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirements.
8. ASENTIR SOLUTIONS & AISSMS, COE shall work jointly on certain technical problem faced by IVPL.
9. AISSMS, COE shall nominate one faculty for each project given by ASENTIR SOLUTIONS. The faculty shall closely monitor the progress of the project & shall closely monitor the program review meeting at the ASENTIR SOLUTIONS once a month.

#### (B) FINANCIAL ARRANGEMENTS

The collaborative program between AISSMS, COE and ASENTIR SOLUTIONS shall be Academic & ASENTIR SOLUTIONS related with no financial implications.

Asentir Solutions,  
Kadam Plaza, Katraj, Pune-46  
Contact Number- 8788573448  
EMAIL ID – services@asentirsolutions.com  
Examination Services | Digital Transformation

H.O.D.  
Computer Engg Dept  
AISSMS COE Pune



## (C) INTELLECTUAL PROPERTY RIGHTS

Rights regarding publications, patents, royalty, ownership of software/design/product etc. developed under the scope of this MoU, shall be decided by both the parties by mutual consent, till then no party will have any kind of legal rights whatsoever on the publications, patents, royalty, ownership of software/design/product etc.

## (D) CONFIDENTIALITY

The AISSMS, COE and the ASENTIR SOLUTIONS agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side.

## (E) COORDINATORS

Both sides will designate one or two persons who will be responsible for overall coordination and implementation of this agreement.

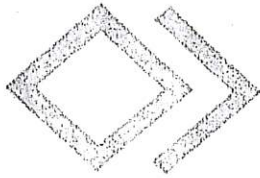
## (F) DURATION OF MOU

This MoU will come in force from the date of signing of the MoU by the representatives of both the parties. It will remain valid for a period of Five year, and may be continued after suitable review and mutual agreement. Either party may terminate the MoU by giving written notice to other party three months in advance. Once terminated, neither AISSMS, COE nor ASENTIR SOLUTIONS will be responsible for any losses, financial or otherwise, which the other party may suffer.

---

Asentir Solutions,  
Kadam Plaza, Katraj, Pune-46  
Contact Number- 8788573448  
EMAIL ID – services@asentirsolutions.com  
Examination Services | Digital Transformation

**H.O.D.**  
Computer Engg Dept  
AISSMS COE Pune



# Asentir Solutions

This MoU is signed on this day of 2/12/21 of 06/12/2021, by both the parties, subject to approval of the respective academic/administrative bodies.

On behalf of AISSMS,  
Signed by:

**A. I. S. S. M. S.'S**  
**College of Engineering**  
 Pune

Serial No. ....

Date: 2/12/2021

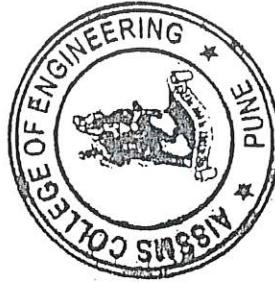
On behalf of ASENTIR SOLUTIONS  
Signed by:

Date: 2/12/2021

Date: 06/12/2021

Witness:

1. A. J. Kadam
2. A. S. Shete



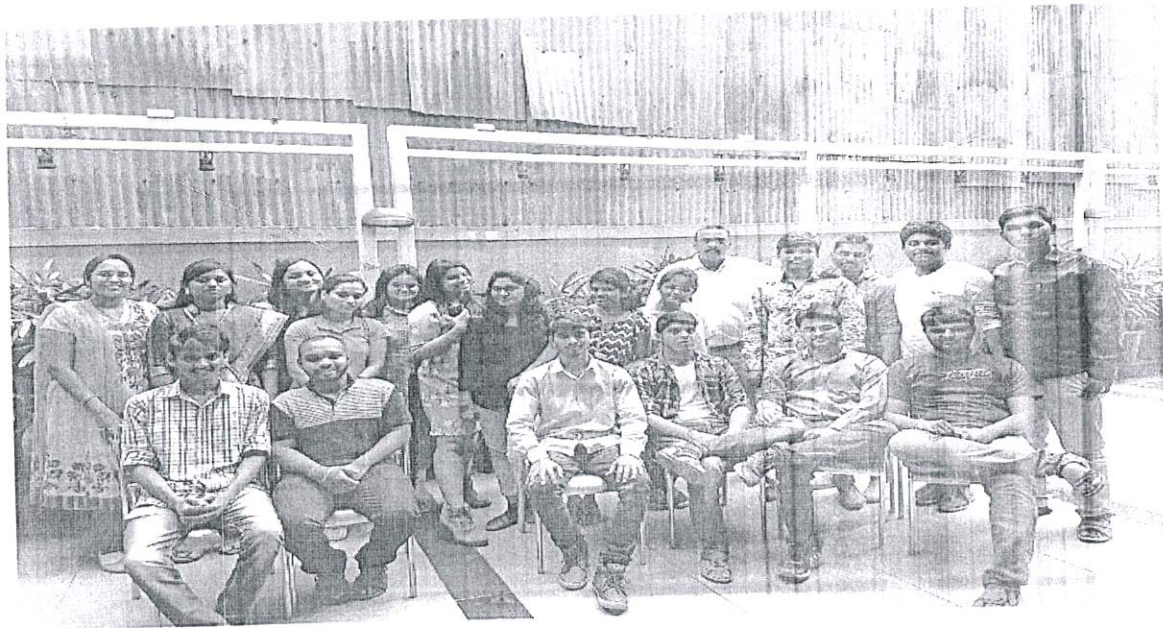
Dr. D. P. Gaiwad

Asentir Solutions,  
 Kadam Plaza, Katraj, Pune-46  
 Contact Number- 8788573448  
 EMAIL ID – services@asentirsolutions.com  
 Examination Services | Digital Transformation

H.O.D.  
 Computer Engg Dept  
 AISSMS COE Pune



## Asentir Solution, Pune.



Following interaction has been done

Providing industrial training and other inputs to teaching-learning processes so as to develop awareness about the job functions in the industry among students. Participation of experts from industry in curriculum development. Arranging visits for both faculties/students to various industries. Engineers from industry to deliver lectures

Collaborative degree/Research programmes.

Internship for students. Organizing workshops, seminars by Industry Experts.

Projects/dissertation work in industries under joint guidance of the faculty and experts from industry.

H.O.D.  
Computer Engg Dept  
AISSMS COE Pune



# **AISSMS**

## **COLLEGE OF ENGINEERING**

Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra,  
Affiliated to Savitribai Phule Pune University and recognized under 2(f) and 12 (B) by UGC  
(Id.No.PU/PN/Engg./093 (1992), AISHE Code No. C-41227  
**Accredited by NAAC with A+ Grade**



**SHRI MALOJIRAJE CHHATRAPATI**  
Honorary Secretary

**Dr. D. S. BORMANE**  
Principal

## **Memorandum of Understanding**

**Between**

**AII INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**AND**

**Apt Samriddhi Consultants Pvt. Ltd., Pune-16**

## PREAMBLE

Whereas, The **AISSMS College of Engineering, Pune** is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various engineering disciplines of Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate engineering courses in Chemical, Civil (Structure), Computer, Electrical (Power Electronics and Drives), Electronics and Telecommunication (Microwave) and Mechanical Engineering (Automotive and Design).

Whereas, **Apt Samriddhi Consultants Pvt. Ltd.** is a company dealing with Power systems Protection design, control and automation related projects. It has successfully commissioned many Industrial projects all over India.

Whereas both the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions as set forth in this Memorandum of Understanding ( MoU).

### OBJECTIVES OF MOU

1. To promote Industry institute interaction.
2. To provide access to industrial environment for the students and faculty.
3. To promote any other appropriate mode of interaction agreed upon between industry and institute.

Now, therefore this agreement is signed between the parties;

**The AISSMS College of Engineering**, 1, Kennedy Road, Pune - 411 001, Maharashtra  
(Hereinafter referred as AISSMS, COE, Pune)

And

**Apt Samriddhi Consultants Pvt. Ltd.**

Chatusringi Road, Model Colony, Shivajinagar, Pune - 411 016.

Whereas, the following is agreed upon by both the parties



2



## **(A) SCOPE AND TERMS OF INTERACTION**

The AISSMS, COE, Pune and APT SAMIRIDDHI PVT LTD, Pune shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

1. APT SAMIRIDDHI PVT LTD, Pune shall share their knowledge and expertise by way of joint conferences and seminars/workshops.
2. APT SAMIRIDDHI PVT LTD, Pune shall provide practical training to AISSMS, COE students at industry
3. APT SAMIRIDDHI PVT LTD, Pune may depute its personnel to conduct expert lectures at AISSMS, COE, Pune.
4. APT SAMIRIDDHI PVT LTD, Pune will facilitate periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with professionals.
5. APT SAMIRIDDHI PVT LTD, Pune would offer summer/winter internship to interested students of AISSMS, COE at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided by APT SAMIRIDDHI PVT LTD, Pune every year.
6. APT SAMIRIDDHI PVT LTD, Pune may showcase its business activities at the seminar or workshop or conference etc at AISSMS, COE.
7. APT SAMIRIDDHI PVT LTD, Pune would help the students of AISSMS, COE for project based learning by allowing to carryout PG/UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirements.
8. APT SAMIRIDDHI PVT LTD, Pune & AISSMS, COE shall work jointly on certain technical problem faced by APT SAMIRIDDHI PVT LTD, Pune.
9. AISSMS, COE shall nominate one faculty for each project given by APT SAMIRIDDHI PVT LTD, Pune. The faculty shall closely monitor the progress of the project & shall closely monitor the program review meeting at the Industry once a month.

## **(B) FINANCIAL ARRANGEMENTS**

The collaborative program between AISSMS, COE and APT SAMIRIDDHI PVT LTD, Pune shall be Academic & Industry related with no financial implications.

## **(C) INTELLECTUAL PROPERTY RIGHTS**

Rights regarding publications, patents, royalty, ownership of software/design/product etc. developed under the scope of this MoU, shall be decided by both the parties by mutual consent, till then no party will have any

kind of legal rights whatsoever on the publications, patents, royalty, ownership of software/design/product etc.

**(D) CONFIDENTIALITY**

The AISSMS, COE and the industry agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side.

**(E) COORDINATORS**

Both sides will designate one or two persons who will be responsible for overall coordination and implementation of this agreement.

**(F) DURATION OF MOU**

This MoU will come in force from the date of signing of the MoU by the representatives of both the parties. It will remain valid for a period of two years, and may be continued after suitable review and mutual agreement. Either party may terminate the MoU by giving written notice to other party three months in advance. Once terminated, neither AISSMS, COE nor APT SAMIRIDDHI PVT LTD, Pune will be responsible for any losses, financial or otherwise, which the other party may suffer.

This MoU is signed on this day of 30 September by both the parties, subject to approval of the respective academic/administrative bodies.

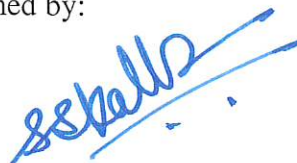
On behalf of AISSMS, COE  
Pune  
Signed by:



Dr D S Bormane  
Principal  
AISSMS College of Engineering, Pune

Date: 30 September 2021

On behalf of Apt Samiriddhi Pvt Ltd,  
Pune  
Signed by:



Mr Sandeep Kalkar,  
Director  
Apt Samiriddhi Pvt Ltd, Pune

Date: 30 September 2021



### DEPARTMENT OF ELECTRICAL ENGINEERING

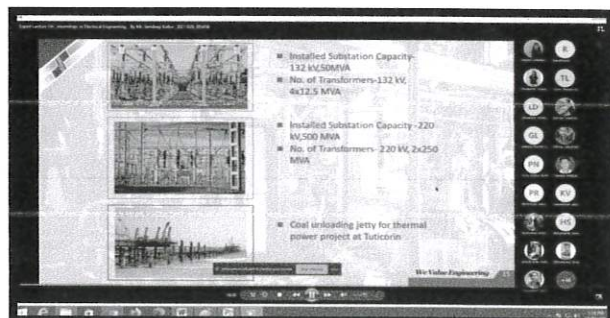
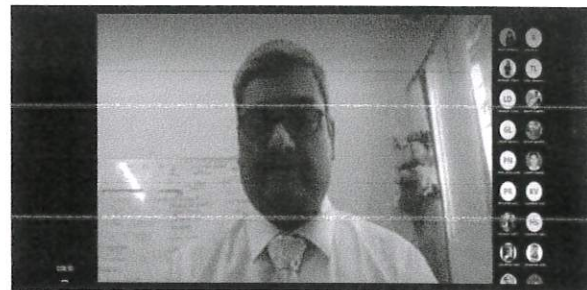
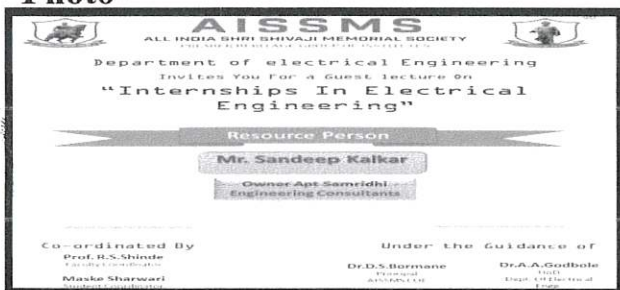
### Expert Talk on "Internships In Electrical Engineering"


An industrial expert talk was conducted on 20<sup>th</sup> October 2021 on "Internships In Electrical Engineering" through Microsoft Team online platform for the Third year students of Electrical Engineering. Mr. Sandeep Kalkar, Pune Owner Apt Samridhi Engineering Consultants was key resource person. The event which took place from 03.00 PM to 04.30 PM.

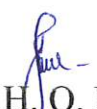
The following topics were covered during the lecture.

- Importance and necessary of internship.
- Working culture and environment of the Industry.
- Various departments and practices in the industry.
- Professional ethics, safety measures, and legal practices
- Career goals and personal aspirations.

#### Photo-



  
Co-Ordinator  
R.S.Shinde

  
H.O. D.  
Dr.A.A.Godbole  
Head

Department of Electrical Engineering  
AISSMS College of Engineering, Pune



# AISSMS

## COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra,  
Affiliated to Savitribai Phule Pune University and recognized under 2(f) and 12 (B) by UGC  
(Id.No.PU/PN/Engg./093 (1992), AISHE Code No. C-41227  
Accredited by NAAC with A+ Grade



**SHRI MALOJIRAJE CHHATRAPATI**  
Honorary Secretary

**Dr. D. S. BORMANE**  
Principal

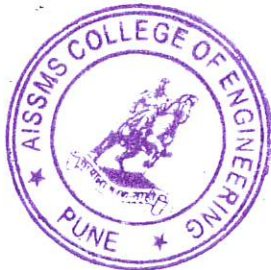
## Memorandum of Understanding

Between

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

AND

**VMS Controls, Pune-43**



1

Kennedy Road, Near R.T.O., Pune 411 001, Maharashtra, India  
Tel : +91 20 2605 8587, 2605 7660, 2605 8342

URL : [www.aissmscoe.com](http://www.aissmscoe.com) Email : [contact@aissmscoe.com](mailto:contact@aissmscoe.com), [principal@aissmscoe.com](mailto:principal@aissmscoe.com)

## PREAMBLE

Whereas, The **AISSMS College of Engineering, Pune** is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various engineering disciplines of Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate engineering courses in Chemical, Civil (Structure), Computer, Electrical (Power Electronics and Drives), Electronics and Telecommunication (Microwave) and Mechanical Engineering (Automotive and Design).

Whereas, **VMS Controls, Pune** is in the business of Industrial Automation. The company provides Industrial services related to Control Panels and Design of Electrical System of various PLC Based projects, Software Development of PLC, SCADA and HMI. It has successfully commissioned so many Industrial projects all over India.

Whereas both the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions as set forth in this Memorandum of Understanding ( MoU).

### OBJECTIVES OF MOU

1. To promote Industry institute interaction.
2. To provide access to industrial environment for the students and faculty.
3. To promote any other appropriate mode of interaction agreed upon between industry and institute.

Now, therefore this agreement is signed between the parties;

The AISSMS College of Engineering, 1, Kennedy Road, Pune - 411 001, Maharashtra (Hereinafter referred as AISSMS, COE, Pune)

And

### VMS CONTROLS

Shop No.4, Manak Apartment, S.No.29/1, Chaitanyanagar, Dhanakwadi,  
Maharashtra, India Pune -411 043

Whereas, the following is agreed upon by both the parties



#### **(A) SCOPE AND TERMS OF INTERACTION**

The AISSMS, COE, Pune and VMS Controls, Pune shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

1. VMS Controls, Pune shall share their knowledge and expertise by way of joint conferences and seminars/workshops.
2. VMS Controls, Pune shall provide practical training to AISSMS, COE students at industry
3. VMS Controls, Pune will facilitate periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with professionals.
4. VMS Controls, Pune would offer summer/winter internship to interested students of AISSMS, COE at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided by VMS Controls, Pune every year.
5. VMS Controls, Pune may showcase its business activities at the seminar or workshop or conference etc at AISSMS, COE.
6. VMS Controls, Pune would help the students of AISSMS, COE for project based learning by allowing to carryout UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirements.
7. VMS Controls, Pune & AISSMS, COE shall work jointly on certain technical problem faced by VMS Controls, Pune.
8. AISSMS, COE shall nominate one faculty for each project given by VMS Controls, Pune. The faculty shall closely monitor the progress of the project & shall closely monitor the program review meeting at the Industry once a month.

#### **(B) FINANCIAL ARRANGEMENTS**

The collaborative program between AISSMS, COE and VMS Controls, Pune shall be Academic & Industry related with no financial implications.

#### **(C) INTELLECTUAL PROPERTY RIGHTS**

Rights regarding publications, patents, royalty, ownership of software/design/product etc. developed under the scope of this MoU, shall be decided by both the parties by mutual consent, till then no party will have any kind of legal rights whatsoever on the publications, patents, royalty, ownership of software/design/product etc.

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Both sides will designate one or two persons who will be responsible for overall coordination and implementation of this agreement.

**(F) DURATION OF MOU**

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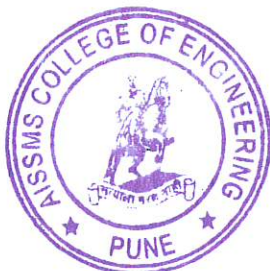
This MoU is signed on this day of 24/7/21 by both the parties, subject to approval of the respective academic/administrative bodies.

On behalf of AISSMS, COE  
Signed by:

Dr AA Godbole  
HOD  
Department of Electrical Engineering  
Date: 24/7/21

On behalf of VMS Controls, Pune  
Signed by:

Mr Milind Pundalik,  
Director  
VMS Controls, Pune  
Date: 24/07/2021



**Fwd: Selection as a Project Engineer**

3 messages

**Mandar Limaye** <mplimaye209@gmail.com>  
To: aagodbole@aissmscoe.com

Tue, Jul 13, 2021 at 2:48 PM

Dear Mandar Congratulations,

As per the discussion had with you and as per your application and interview, you has been selected as a "Project Engineer " at VMS Controls, Pune

Job profile – Design development of PLC, HMI, SCADA Software, Design of Control Panels, Testing of panels and commissioning at client end.

You will join us by 15<sup>th</sup> June 2021

Your per month salary will be 15,000/- Rupees less 200 deduction as a Professional Tax + you will get a one month salary extra for Diwali Celebration.

TA at actual, Lodging at actual, and DA-250 per day will be provided when you will be out of Pune at Client site.

Please accept this opportunity per return mail,

Please mail your scanned documents

1. UID Card
2. Driving License ( if any )
3. Passport Photo
4. Bank details with IFSC Code for Salary
5. While joining our firm , relieving letter of Ex-Employer
6. Additional physical info- Blood Group, Height in cm, Weight in Kg, Emergency contact numbers

Thanks and Regards

---

Milind Pundlik

VMS Controls

9422321408

vmscontrols@gmail.com

GSTIN- 27AGIPP9806D1Z6



Head  
Department of Electrical Engineering  
AISSMS College of Engineering, Pune



# AISSMS

## COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra,  
Affiliated to Savitribai Phule Pune University and recognized under 2(f) and 12 (B) by UGC  
(Id.No.PU/PN/Engg./093 (1992), AISHE Code No. C-41227  
Accredited by NAAC with A+ Grade



SHRI MALOHIRAJE CHHATRAPATI  
Honorary Secretary

Dr. D. S. BORMANE  
Principal

Date: 22/02/2022

### Memorandum of Understanding

Between

ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001

AND

ELON POWER PVT. LTD  
UNIT 1, WADEKAR INDUSTRIAL ESTATE, NARHE,  
PUNE - 411041

*Yhande*

**Head**

Department of Electronics & Telecommunication  
AISSMS's COE PUNE-411001.

Page 1 of 5

## PREAMBLE

The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various disciplines of engineering such as Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate courses in Chemical, Structure, Computer, Power Electronics and Drives, Microwave, Automotive and Design.

This agreement is signed between

Whereas, AISSMS College of Engineering, Kennedy road, Pune - 411 001, Maharashtra. (Herein after referred as AISSMSCOE)

Whereas, ELON POWER PVT. LTD. is engaged in manufacturing of Electronic Equipment's with its registered office at Unit 1, Wadekar Industrial Estate, Narhe, Pune - 411041

Whereas the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions set forth in this memorandum of understanding (MoU).

## OBJECTIVES OF MOU

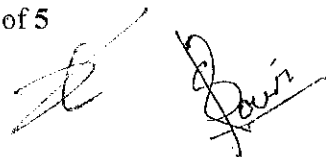
1. To promote Industry institute interaction.
2. To promote industry driven research and innovation
3. To provide access to industrial environment for the students and faculty.
4. To promote any other appropriate mode of interaction agreed upon between industry and institute.



### SCOPE AND TERMS OF INTERACTION

Both AISSMS COE and Industry shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

1. ELON POWER shall share their knowledge and experience by way of joint conferences and seminars/workshops.
2. ELON POWER shall provide practical training to AISSMS COE students at industry
3. ELON POWER may depute its personnel to conduct expert lectures at AISSMS COE
4. ELON POWER will arrange to provide periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with members of industry.
5. ELON POWER would offer summer internship to interested students of AISSMS COE at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided between Industry and AISSMS COE every year.
6. ELON POWER may seek assistance/ guidance of AISSMS COE faculty members in technical problems, trouble shooting etc.
7. ELON POWER may showcase its business activities at the seminar or workshop or conference etc at AISSMS COE.
8. ELON POWER may avail library, internet, and computational facilities at AISSMS COE.
9. ELON POWER would help the students of AISSMS COE for project-based learning by allowing to carryout PG/UG projects depending upon the nature



of work as per rules of the respective institutes depending on facilities and requirements.

#### **FINANCIAL ARRANGEMENTS**

1. The collaborative program between AISSMS COE and INDUSTRY shall be coordinated by a coordination committee appointed by Directors of both the Institutes.
2. Financial arrangements for each specific collaboration will be decided on a case-to-case basis and brought on record in each case after due approval from heads of both the Institutions.

#### **INTELLECTUAL PROPERTY RIGHTS**

Rights regarding publications, patents, royalty, ownership of software/design/product developed etc. under the scope of this MoU, shall be decided by the two parties by mutual consent.

#### **CONFIDENTIALITY**

The AISSMS COE and the industry agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side

#### **COORDINATORS**

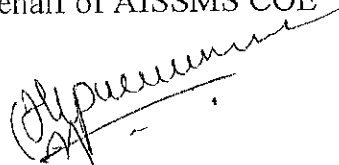
Both sides will designate persons who will have responsibility for coordination and implementation of this agreement.

#### **DURATION OF MOU**

This MoU will take effect from the date it is signed by the representatives of the parties. It will remain valid for five years and may be continued there after after suitable review and agreement. Either party may terminate the MoU by giving written notice to other party six months in advance. Once terminated, neither AISSMS COE nor industry will be responsible for any losses, financial or otherwise, which the other party may suffer.

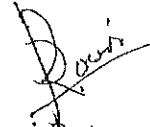
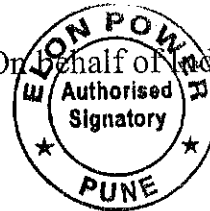
This MoU is signed subjective approval of the respective academic/administrative bodies.

On behalf of AISSMS COE



Signed by: Dr Nitin Shekapure  
Asst Professor, Production Engg Dept


On behalf of Industry



Signed by: Mr Souri Ratnaparkhi

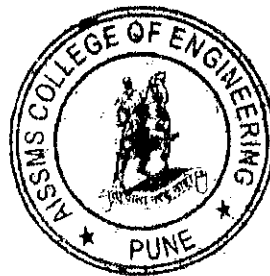


Dr D G Bhalke  
HOD, E&TC Engg Dept



Mr V D Dholle  
HOD, Production Engg Dept

Dr D S Bormane  
Principal, AISSMS COE, Pune



Date:



Date: 15.02.2022

Ref No: EP /HR/ Trainee /21-22 /004

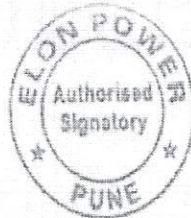
TO WHOM SO EVER IT MAY CONCERN

This is to certify that Shaista Jakir Mujawar from AISSMS College of Engineering, Pune has undergone the Internship in our company as a part of her academic curriculum, starting from 27<sup>th</sup> December 2021 to 12<sup>th</sup> February 2022.

During her working period we found her dedicated and sincere. She is very professional and keen learner.

We wish her all the best in her future endeavors.

For ELON POWER



A handwritten signature in black ink, appearing to read "Nityanand Prabhutendolkar".

Nityanand Prabhutendolkar

Partner

A handwritten signature in blue ink, appearing to read "Shamur".  
**Head**

**Department of Electronics & Telecommunication**  
**AISSMS's COE PUNE-411001.**

Ref No: EP /HR/ Trainee /21-22 /003

Date: 12.07.2021

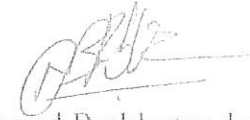
TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Manali Vilasrao Pawar** from AISSMS College of Engineering, Pune has undergone the Internship in our company as a part of her academic curriculum, starting from 1<sup>st</sup> January 2021 to 30<sup>th</sup> June 2021.


During her working period we found her dedicated and sincere. She is very professional and keen learner.

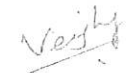
We wish her all the best in her future endeavors.

For ELON POWER



Nityanand Prabhutendolkar  
Partner

  
**Head of Department**  
**Production Engineering**  
**AISSMS COE, PUNE I**

  
**Head of Department**  
**Production Engineering**  
**AISSMS COE, PUNE I**

Sr.No.36/1/2/3, above Lionia Led Pvt  
Ltd, near Canara bank, Shree Control  
Chowk, Narhe, Pune 411041  
(Maharashtra)

Mob. - 9518344624 | 9307304200  
Website - [www.elonpower.com](http://www.elonpower.com)  
Email - [info@elonpower.com](mailto:info@elonpower.com)



# **AISSMS**

## **COLLEGE OF ENGINEERING**

Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra,  
Affiliated to Savitribai Phule Pune University and recognized under 2(f) and 12 (B) by UGC  
(Id.No.PU/PN/Engg./093 (1992), AISHE Code No. C-41227)

**Accredited by NAAC with A+ Grade**



**SHRI MALOJIRAJE CHHATRAPATI**  
Honorary Secretary

**Dr. D. S. BORMANE**  
Principal

## **Memorandum of Understanding**

**Between**

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**AND**

**CSM DIGITAL TECHNOLOGIES  
PIMPRI CHINCHWAD, PUNE-411019**



# AISSMS

## COLLEGE OF ENGINEERING

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Accredited by NAAC with A+ Grade



**SHRI MALOJIRAJE CHHATRAPATI**  
Honorary Secretary

**Dr. D. S. BORMANE**  
Principal

### PREAMBLE

Whereas, The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various engineering disciplines of Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate engineering courses in Chemical, Civil (Structure), Computer, Electrical (Power Electronics and Drives), Electronics and Telecommunication (Microwave) and Mechanical Engineering (Automotive and Design).

Whereas, The **CSM DIGITAL TECHNOLOGIES** is engaged in **Training and Project Development center and also Service Provider for Electrical Panel Designing, Installation, Commissioning, Troubleshooting, Maintenance of Industrial Automation, Electrical, Embedded System, IoT and Data Science.** its

Registered office at Premraj Chambers, Shop No.12/A, Opp.MIDC office, Chinchwad-Bhosari Road, Chinchwad Station, Pimpri chinchwad, Pune-411019.

Whereas both the parties have decided to agree to establish CSM Digital Technologies academic collaboration in the areas of mutual interest and in accordance with terms and conditions as set forth in this Memorandum of Understanding ( MoU).

### OBJECTIVES OF MOU

1. To promote CSM Digital Technologies institute interaction.
2. To provide access to industrial environment for the students and faculty.
3. To promote any other appropriate mode of interaction agreed upon between CSM Digital Technologies and institute.

Now, therefore this agreement is signed between the parties;



# AISSMS

## COLLEGE OF ENGINEERING

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Accredited by NAAC with A+ Grade



**SHRI MALOJIRAJE CHHATRAPATI**  
Honorary Secretary

**Dr. D. S. BORMANE**  
Principal

The AISSMS College of Engineering, 1, Kennedy Road, Pune - 411 001, Maharashtra  
(Hereinafter referred as AISSMS, COE, Pune)

And

The CSM DIGITAL TECHNOLOGIES, Premraj Chambers, Shop No.12/A, Opp. MIDC  
office, Chinchwad-Bhosari Road, Chinchwad Station, Pune-411019.

Whereas, the following is agreed upon by both the parties

### (A) SCOPE AND TERMS OF INTERACTION

The AISSMS, COE, Pune and CSM DIGITAL TECHNOLOGIES shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

1. CSM DIGITAL TECHNOLOGIES shall share their knowledge and expertise by way of joint conferences and seminars/workshops.
2. CSM DIGITAL TECHNOLOGIES shall provide practical training to AISSMS, COE students at CSM Digital Technologies
3. CSM DIGITAL TECHNOLOGIES may depute its personnel to conduct expert lectures at AISSMS, COE, Pune.
4. CSM DIGITAL TECHNOLOGIES will facilitate periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with professionals.
5. CSM DIGITAL TECHNOLOGIES would offer summer internship to interested students of AISSMS, COE at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided between CSM DIGITAL TECHNOLOGIES and AISSMS, COE every year.



# AISSMS

## COLLEGE OF ENGINEERING

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**SHRI MALOJIRAJE CHHATRAPATI**  
Honorary Secretary

**Dr. D. S. BORMANE**  
Principal

6. CSM DIGITAL TECHNOLOGIES may showcase its business activities at the seminar or workshop or conference etc at AISSMS, COE.
7. CSM DIGITAL TECHNOLOGIES would help the students of AISSMS, COE for project based learning by allowing to carryout PG/UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirements.
8. CSM DIGITAL TECHNOLOGIES & AISSMS, COE shall work jointly on certain technical problem faced by CSM DIGITAL TECHNOLOGIES.
9. AISSMS, COE shall nominate one faculty for each project given by CSM DIGITAL TECHNOLOGIES. The faculty shall closely monitor the progress of the project & shall closely monitor the program review meeting at the CSM Digital Technologies once a month.

### (B) FINANCIAL ARRANGEMENTS

The collaborative program between AISSMS, COE and CSM DIGITAL TECHNOLOGIES shall be Academic & CSM Digital Technologies related with no financial implications (for only one day demo sessions and guest lecturers).

### (C) INTELLECTUAL PROPERTY RIGHTS

Rights regarding publications, patents, royalty, ownership of software/design/product etc. developed under the scope of this MoU, shall be decided by both the parties by mutual consent, till then no party will have any kind of legal rights whatsoever on the publications, patents, royalty, ownership of software/design/product etc.



# AISSMS

## COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra,  
Affiliated to Savitribai Phule Pune University and recognized under 2(f) and 12 (B) by UGC  
(Id.No.PU/PN/Engg./093 (1992), AISHE Code No. C-41227  
Accredited by NAAC with A+ Grade



**SHRI MALOJIRAJE CHHATRAPATI**  
Honorary Secretary

**Dr. D. S. BORMANE**  
Principal

### (D) CONFIDENTIALITY

The AISSMS, COE and the CSM DIGITAL TECHNOLOGIES agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side.

### (E) COORDINATORS

Both sides will designate one or two persons who will be responsible for overall coordination and implementation of this agreement.

### (F) DURATION OF MOU

This MoU will come in force from the date of signing of the MoU by the representatives of both the parties. It will remain valid for a period of Three year, and may be continued after suitable review and mutual agreement. Either party may terminate the MoU by giving written notice to other party three months in advance. Once terminated, neither AISSMS, COE nor CSM DIGITAL TECHNOLOGIES will be responsible for any losses, financial or otherwise, which the other party may suffer.

This MoU is signed on this day of Friday of 17/09/2021, by both the parties, subject to approval of the respective academic/administrative bodies.

On behalf of AISSMS, COE

Signed by: Dr.D.S.Bormane  
Date: 17/9/2021

On behalf of CSM DIGITAL TECHNOLOGIES

Signed by: Mr. Mahesh Chitale  
Date: 17/9/2021



5

Witness:  
Ms. Payal P. Tayode

17/9/2021

Kennedy Road, Near R.T.O., Pune 411 001, Maharashtra, India  
Tel : +91 20 2605 8587, 2605 7660, 2605 8342

URL : www.aissmscoe.com Email : contact@aissmscoe.com, principal@aissmscoe.com



ISO 9001:2015 CERTIFIED COMPANY



**CSM DIGITAL TECHNOLOGIES**  
(AUTOMATION | EMBEDDED | DATA SCIENCE | ELECTRICAL)

# CERTIFICATE OF INTERNSHIP COMPLETION

This certificate is presented to

**Chankeshwara Ishika Amit**

To commemorate his completion of the "Data Science" Internship program  
from 22 December 2021 to 22 January 2022.

Given this 22 January 2022.



Krishnat B.

**General Manager**

Certificate No: 22012022/DSIP/76696/07

**Head**

Department of Electronics & Telecommunication  
AISSMS's COE PUNE-411001.





# **AISSMS**

## **COLLEGE OF ENGINEERING**

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Affiliated to Savitribai Phule Pune University and recognized under 2(f) and 12 (B) by UGC  
(Id.No.PU/PN/Engg./093 (1992), AISHE Code No. C-41227

**Accredited by NAAC with A+ Grade**



**SHRI MALOJIRAJE CHHATRAPATI**  
Honorary Secretary

**Dr. D. S. BORMANE**  
Principal

## **Memorandum of Understanding**

**Between**

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**AND**

**UB CRYOGENIC SOLUTIONS LLP**

**Office No. 12-13, Metro -9 Building, Opp. Park Street,  
Rahatni, Pune, Maharashtra, India - 411017**

**AISSMS COE, PUNE**  
**1992-2017**

## PREAMBLE

The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various disciplines of engineering such as Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate courses in Chemical, Structure, Computer, Power Electronics and Drives, Microwave, Automotive and Design.

This agreement is signed between

Whereas, AISSMS College of Engineering, Kennedy road, Pune - 411 001, Maharashtra. (Herein after referred as AISSMSCOE)

Whereas, UB CRYOGENIC SOLUTIONS LLP is engaged in Cryogenic Treatment of Cutting Tool with its registered office at Office No. 12-13, Metro -9 Building, Opp. Park Street, Rahatni, Pune, Maharashtra, India – 411017.

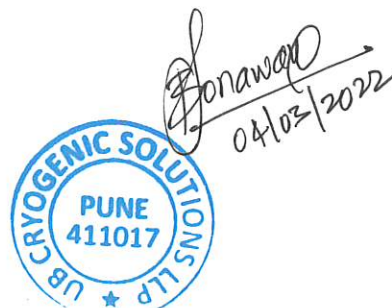
Whereas the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions set forth in this memorandum of understanding (MoU).

## OBJECTIVES OF MOU

1. To promote Industry institute interaction.
2. To promote industry driven research and innovation
3. To provide access to industrial environment for the students and faculty.
4. To promote any other appropriate mode of interaction agreed upon between industry and institute.



2



## FINANCIAL ARRANGEMENTS

1. The collaborative program between AISSMS COE and INDUSTRY shall be coordinated by a coordination committee appointed by Directors of both the Institutes.
2. Financial arrangements for each specific collaboration will be decided on a case-to-case basis and brought on record in each case after due approval from heads of both the Institutions.

## INTELLECTUAL PROPERTY RIGHTS

Rights regarding publications, patents, royalty, ownership of software/design/product developed etc. under the scope of this MoU, shall be decided by the two parties by mutual consent.

## CONFIDENTIALITY

The AISSMS COE and the industry agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side

## COORDINATORS

Both sides will designate persons who will have responsibility for coordination and implementation of this agreement.

## DURATION OF MOU

This MoU will take effect from the date it is signed by the representatives of the parties. It will remain valid for five years and may be continued there after after suitable review and agreement. Either party may terminate the MoU by giving written notice to other party six months in advance. Once terminated, neither AISSMS COE nor industry will be responsible for any losses, financial or otherwise, which the other party may suffer.

This MoU is signed subjective approval of the respective academic/administrative bodies.

On behalf of AISSMS COE  
Signed by: Dr D S Bormane  
Date:



On behalf of Industry  
Signed by: Mr B V Sonawane  
Date: 04/03/2022





## Production Engineering Department

### Industry Institute Interaction Visit Report


Industries : UB CRYOGENIC SOLUTIONS LLP.  
Office No. 12-13, Metro -9 Building, Opp. Park Street, Rahatni,  
Pune, Maharashtra, India - 411017

UB CRYOGENIC SOLUTIONS LLP is engaged in Cryogenic Treatment of Cutting Tool with its registered office at Office No. 12-13, Metro -9 Building, Opp. Park Street, Rahatni, Pune, Maharashtra, India – 411017.

Whereas the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions set forth in this memorandum of understanding (MoU).



Interaction with UB CRYOGENIC SOLUTIONS LLP. and Principal, Staff of AISSMS COE  
Pune.

  
**Head of Department**  
**Production Engineering**  
**AISSMS COE, PUNE I**

**Memorandum of Understanding**

**Between**

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**AND**

**STEAD SOLVE  
DESIGN & MANUFACTURING SOLUTION LLP,  
PUNE – 411 051**

## PREAMBLE

Whereas, The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various engineering disciplines of Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate engineering courses in Chemical, Civil (Structure), Computer, Electrical (Power Electronics and Drives), Electronics and Telecommunication (IoT and sensors) and Mechanical Engineering (Automotive and Design) and also PhD research Centre for Chemical, Mechanical and Computer Engineering.

Whereas, The Stead Solve is engaged in Design & Manufacturing Solution & Business Process Management Solutions with its registered office at 43, Kudale Patil, Township, Manik Baug, Sinhagad, Pune -411051.

Whereas both the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions as set forth in this Memorandum of Understanding ( MoU).

### OBJECTIVES OF MOU

1. To promote Industry institute interaction.
2. To provide access to industrial environment for the students and faculty.
3. To promote any other appropriate mode of interaction agreed upon between industry and institute.

Now, therefore this agreement is signed between the parties;

The AISSMS College of Engineering, 1, Kennedy Road, Pune - 411 001, Maharashtra (Hereinafter referred as AISSMS, COE)

And

The Stead Solve, Design & Manufacturing Solution LLP, Pune 411051, 43, Kudale Patil Township, Manik Baug, Sinhagad Road, Pune -411051. (Herein after referred as Stead Solve)

Whereas, the following is agreed upon by both the parties



#### (A) SCOPE AND TERMS OF INTERACTION

The AISSMS, COE, Pune and Stead Solve shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

1. STEAD SOLVE shall share their knowledge and expertise by way of joint conferences and seminars/workshops.
2. STEAD SOLVE shall provide practical training to AISSMS, COE students at industry
3. STEAD SOLVE may depute its personnel to conduct expert lectures at AISSMS, COE, Pune.
4. STEAD SOLVE will facilitate periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with professionals.
5. STEAD SOLVE would offer summer internship to interested students of AISSMS, COE at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided between Stead Solve and AISSMS, COE every year.
6. STEAD SOLVE may showcase its business activities at the seminar or workshop or conference etc at AISSMS, COE.
7. STEAD SOLVE Would help the students of AISSMS, COE for project based learning by allowing to carryout PG/UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirements.
8. STEAD SOLVE & AISSMS, COE shall work jointly on certain technical problem faced by Stead Solve
9. AISSMS, COE shall nominate one faculty for each project given by Stead Solve The faculty shall closely monitor the progress of the project & shall closely monitor the program review meeting at the Industry once a month.

#### (B) FINANCIAL ARRANGEMENTS

The collaborative program between AISSMS, COE and Stead Solve shall be Academic & Industry related with no financial implications.

#### (C) INTELLECTUAL PROPERTY RIGHTS

Rights regarding publications, patents, royalty, ownership of software/design/product etc. developed under the scope of this MoU, shall be decided by both the parties by mutual consent, till then no party will have any



kind of legal rights whatsoever on the publications, patents, royalty, ownership of software/design/product etc.

(D) CONFIDENTIALITY

The AISSMS, COE and the STEAD SOLVE agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side.

(E) COORDINATORS

Both sides will designate one or two persons who will be responsible for overall coordination and implementation of this agreement.

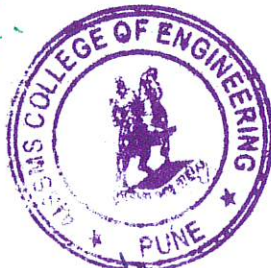
(F) DURATION OF MOU

This MoU will come in force from the date of signing of the MoU by the representatives of both the parties. It will remain valid for a period of three years, and may be continued after suitable review and mutual agreement. Either party may terminate the MoU by giving written notice to other party three months in advance. Once terminated, neither AISSMS, COE nor STEAD SOLVE will be responsible for any losses, financial or otherwise, which the other party may suffer.

This MoU is signed on this day of Wednesday of 23/02/2022, by both the parties, subject to approval of the respective academic/administrative bodies.

On behalf of AISSMS, COE  
Signed by:

Date: 23/2/22



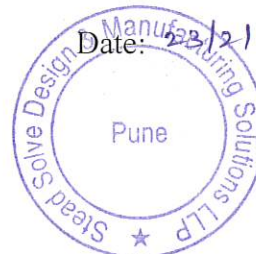
Witness:

1. Dr. B. D. Bachchhav

2. Dr C. S. Choudhari

On behalf of. STEAD SOLVE  
Signed by:

Date: 23/2/22



3. Dr S V Chaitanya

4. Mrs. Smita Wajkole





# Stead Solve Design & Manufacturing Solutions LLP

Design Analyse Resolve

Date: 21-12-2023

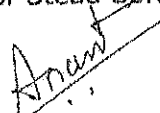
TO WHOM SO EVER IT MAY CONCERN.

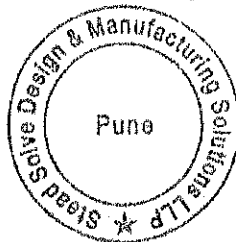
This is to certify that **ADITI KARANJKAR** a student of AISSMS COE PUNE (Mechanical Sandwich Engineering) has successfully completed one-year training from Dec 22 to Dec 23 long internship program at Stead Solve Design & Manufacturing Solutions LLP in the department of Product design and prototype manufacturing.

During the period of the internship she was found hard working and devoted for the work.

We wish her good luck and success in her future endeavors.

For Stead Solve Design & Manufacturing Sol LLP

  
Authorized Signatory



  
**PRINCIPAL**  
ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING  
KENNEDY ROAD, PUNE-411 001

New Product Concept, Design, Development & Supply

Business Process Management Consultants

steadsolve@gmail.com +91 9850827495

Off: 43 A, Kudale Patil Township, Manik Baug, Sinhagad Road, Pune 51.  
Works: H No 736, Santoshnagar, Katraj, Pune 411046.



# Stead Solve Design & Manufacturing Solutions LLP

Date: 21-12-2023

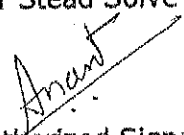
TO WHOM SO EVER IT MAY CONCERN.

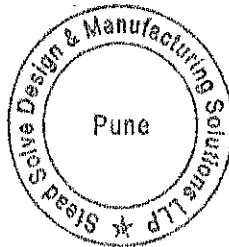
This is to certify that **ARYESH UTTEKAR** a student of AISSMS COE PUNE (Mechanical Sandwich Engineering) has successfully completed one-year training from Dec 22 to Dec 23 long Internship program at Stead Solve Design & Manufacturing Solutions LLP in the department of Product design and prototype manufacturing.

During the period of the internship he was found hard working and devoted for the work.

We wish him good luck and success in his future endeavors.

For Stead Solve Design & Manufacturing Sol LLP

  
Authorized Signatory



  
**PRINCIPAL**  
ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING  
KENNEDY ROAD, PUNE-411 001

New Product Concept, Design, Development & Supply  
Business Process Management Consultants [steadsolve@gmail.com](mailto:steadsolve@gmail.com) +91 9850827495

Off: 43 A, Kirdale Patil Township, Manik Baug, Sinhagad Road, Pune 51.  
Works: H.No 786, Santoshnagar, Katraj, Pune 411046



# Stead Solve Design & Manufacturing Solutions LLP

Listen Analyse Resolve

Date: 24-12-2022

TO WHOM SO EVER IT MAY CONCERN.

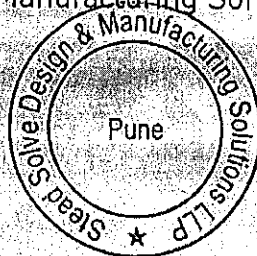
This is to certify that **Shaikh Rameez Abdul Rauf** a student of AISSMS COE PUNE (Mechanical Sandwich Engineering) has successfully completed one-year training from Jan 22 to Dec 22 long Internship program at Stead Solve Design & Manufacturing Solutions LLP in the department of Product design and prototype manufacturing.

During the period of the Internship he was found hard working and devoted for the work.

We wish him good luck and success in his future endeavors.

For Stead Solve Design & Manufacturing Sol LLP

  
Authorized Signatory



  
**PRINCIPAL**  
ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING  
KENNEDY ROAD, PUNE-411 001

New Product Concept, Design, Development & Supply

Business Process Management Consultants

✉️ [steadsolve@gmail.com](mailto:steadsolve@gmail.com) ☎️ +91 9850827495

Off: 43 A, Kudale Patil Township, Manik Baug, Sinhagad Road, Pune 51.

**Memorandum of Understanding**

**Between**

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**AND**

**AMEYA INDUSTRIES, PUNE – 411 062**

## PREAMBLE

Whereas, The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various engineering disciplines of Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate engineering courses in Chemical, Civil (Structure), Computer (AI and data science), Electrical (Power Electronics and Drives), Electronics and Telecommunication (IoT Sensor Systems) and Mechanical Engineering (Automotive and Design).

Whereas, The Ameya Industries is engaged in precision sheet metal fabrication with its registered office at Gat. No. 1538, Plot No. 61, Chikhali – Talwade Shiv Road, Chikhli, Pune – 411 062.

Whereas both the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions as set forth in this Memorandum of Understanding ( MoU).

### OBJECTIVES OF MOU

1. To promote Industry institute interaction.
2. To provide access to industrial environment for the students and faculty.
3. To promote any other appropriate mode of interaction agreed upon between industry and institute.

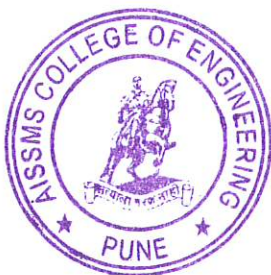
Now, therefore this agreement is signed between the parties;

The AISSMS College of Engineering, 1, Kennedy Road, Pune - 411 001, Maharashtra (Hereinafter referred as AISSMS, COE, Pune)

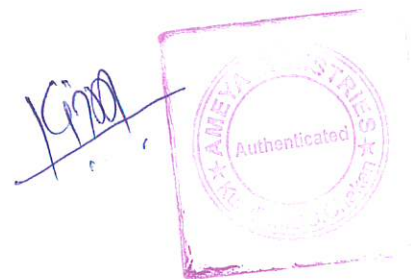
And

The Ameya Industries, Gat. No. 1538, Plot No. 61, Chikhali – Talwade Shiv Road, Chikhli, Pune – 411 062, Maharashtra (Hereinafter referred as Ameya Industries, Pune)

Whereas, the following is agreed upon by both the parties



2



#### (A) SCOPE AND TERMS OF INTERACTION

The AISSMS, COE, Pune and Ameya Industries, Pune shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

1. Ameya Industries, Pune shall share their knowledge and expertise by way of joint conferences and seminars/workshops.
2. Ameya Industries, Pune shall provide practical training to AISSMS, COE students at industry
3. Ameya Industries, Pune may depute its personnel to conduct expert lectures at AISSMS, COE, Pune.
4. Ameya Industries, Pune will facilitate periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with professionals.
5. Ameya Industries, Pune would offer summer internship to interested students of AISSMS, COE at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided between Ameya Industries, Pune and AISSMS, COE every year.
6. Ameya Industries, Pune may showcase its business activities at the seminar or workshop or conference etc at AISSMS, COE.
7. Ameya Industries, Pune would help the students of AISSMS, COE for project based learning by allowing to carryout PG/UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirements.
8. Ameya Industries, Pune & AISSMS, COE shall work jointly on certain technical problem faced by Ameya Industries, Pune.
9. AISSMS, COE shall nominate one faculty for each project given by Ameya Industries, Pune. The faculty shall closely monitor the progress of the project & shall closely monitor the program review meeting at the Industry once a month.

#### (B) FINANCIAL ARRANGEMENTS

The collaborative program between AISSMS, COE and Ameya Industries, Pune shall be Academic & Industry related with no financial implications.

#### (C) INTELLECTUAL PROPERTY RIGHTS

Rights regarding publications, patents, royalty, ownership of software/design/product etc. developed under the scope of this MoU, shall be

decided by both the parties by mutual consent, till then no party will have any kind of legal rights whatsoever on the publications, patents, royalty, ownership of software/design/product etc.

(D) CONFIDENTIALITY

The AISSMS, COE and the Ameya Industries, Pune agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side.

(E) COORDINATORS

Both sides will designate one or two persons who will be responsible for overall coordination and implementation of this agreement.

(F) DURATION OF MOU

This MoU will come in force from the date of signing of the MoU by the representatives of both the parties and shall remain in effect till it is discontinued by mutual consent. This MoU is signed on this day of Tuesday of 31/08/21, by both the parties, subject to approval of the respective academic/administrative bodies.

On behalf of AISSMS, COE

Signed by:



Date: 31/08/2021



On behalf of Ameya Industries, Pune

Signed by:



Date: 31.08.2021



Witness:

1. Dr. A. V. Waghmare

2. Dr. C. S. Choudhary





# AMEYA INDUSTRIES



(An ISO 9001:2008)

Design & Mfg. of Press Tools, Dies & Fixtures. • Mfg. of Sheet Metal Components & Assy. Works.

Get No.1538, Plot No. 61, Chikhali -Talawade Shiv Road, Sonawaneast, Chikhali, Pune-14.  
Cell : 8888810146 / 9922416368 Email : ameya\_industries@rediffmail.com

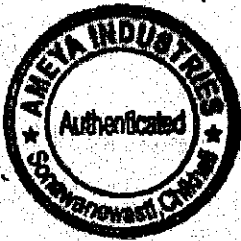
Date : 15<sup>th</sup> December 2018

## CERTIFICATE

This is to certify that Mr. Kunal Ghude, student of 7<sup>th</sup> Semester at AISSMS College of Engineering has successfully completed his Sandwich Training at Ameya Industries Ltd from 20<sup>th</sup> June to 15<sup>th</sup> December.

During the tenure of his training, we found him sincere and hardworking.

We wish him All the Best for future endeavours.



*Sapna Khadka*

SAPNA KHADKA  
HR. MANAGER

*[Signature]*

PRINCIPAL  
ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING  
KENNEDY ROAD, PUNE-411 001



**Memorandum of Understanding**

**Between**

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**AND**

**VIMAL NOURISHMENT TECHNOLOGIES PVT LTD  
Pune – 411 041**

## PREAMBLE

Whereas, The **AISSMS College of Engineering, Pune** is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various engineering disciplines of Chemical, Civil, Computer, Electrical, Electronics and Telecommunication, Mechanical, Mechanical Sandwich, Production Sandwich and post graduate engineering courses in Chemical (Chemical Engineering), Civil (Structure), Computer (AI and Data Science), Electrical (Power Electronics and Drives), Electronics and Telecommunication (IoT Sensor System) and Mechanical Engineering (Automotive and Design).

Whereas, The **Vimal Nourishmennt Technologies Pvt Ltd Pune** is engaged in design, manufacture and sale of various types of special purpose machines for providing customized automation solution to industries with its registered office at SR. No. 29/1, Dhyari, Pune – 411 041.

Whereas both the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions as set forth in this Memorandum of Understanding ( MoU).

### OBJECTIVES OF MOU

1. To promote Industry institute interaction.
2. To provide access to industrial environment for the students and faculty.
3. To promote any other appropriate mode of interaction agreed upon between industry and institute.

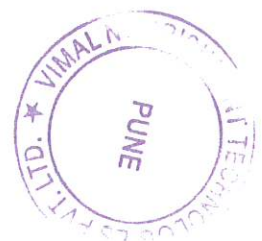
Now, therefore this agreement is signed between the parties;

The AISSMS College of Engineering, 1, Kennedy Road, Pune - 411 001, Maharashtra (Hereinafter referred as AISSMS COE, Pune)

And

The Vimal Nourishmennt Technologies Pvt Ltd, SR. No. 29/1, Dhyari, Pune – 411 041, Maharashtra (Hereinafter referred as VNTPL, Pune)

Whereas, the following is agreed upon by both the parties



#### (A) SCOPE AND TERMS OF INTERACTION

The AISSMS COE, Pune and VNTPL, Pune shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

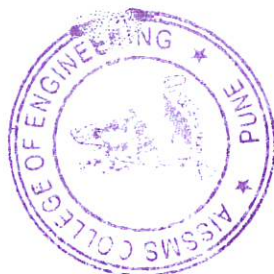
1. VNTPL, Pune shall share their knowledge and expertise by way of joint conferences and seminars/workshops.
2. VNTPL, Pune shall provide practical training to AISSMS, COE students at industry.
3. VNTPL, Pune may depute its personnel to conduct expert lectures at AISSMS, COE, Pune.
4. VNTPL, Pune will facilitate periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with professionals.
5. VNTPL, Pune would offer summer internship to interested students of AISSMS, COE at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided between VNTPL, Pune and AISSMS, COE every year.
6. VNTPL, Pune may showcase its business activities at the seminar or workshop or conference etc at AISSMS, COE.
7. VNTPL, Pune would help the students of AISSMS, COE for project based learning by allowing to carryout PG/UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirements.
8. VNTPL, Pune & AISSMS, COE shall work jointly on certain technical problem faced by VNTPL, Pune.
9. AISSMS, COE shall nominate one faculty for each project given by VNTPL, Pune. The faculty shall closely monitor the progress of the project & shall closely monitor the program review meeting at the Industry once a month.

#### (B) FINANCIAL ARRANGEMENTS

The collaborative program between AISSMS, COE and VNTPL, Pune shall be Academic & Industry related with no financial implications.

#### (C) INTELLECTUAL PROPERTY RIGHTS

Rights regarding publications, patents, royalty, ownership of software/design/product etc. developed under the scope of this MoU, shall be decided by both the parties by mutual



3



consent, till then no party will have any kind of legal rights whatsoever on the publications, patents, royalty, ownership of software/design/product etc.

(D) CONFIDENTIALITY

The AISSMS, COE and the VNTPL, Pune agree to hold in confidence all information / data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side.

(E) COORDINATORS

Both sides will designate one or two persons who will be responsible for overall coordination and implementation of this agreement.

(F) DURATION OF MOU

This MoU will come in force from the date of signing of the MoU by the representatives of both the parties. It will remain valid for a period of Three years, and may be continued after suitable review and mutual agreement. Either party may terminate the MoU by giving written notice to other party three months in advance. Once terminated, neither AISSMS, COE nor VNTPL, Pune will be responsible for any losses, financial or otherwise, which the other party may suffer.

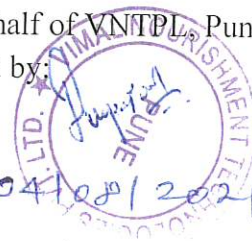
This MoU is signed on this day of Wednesday of 04/08, 2021, by both the parties, subject to approval of the respective academic/administrative bodies.

On behalf of AISSMS, COE  
Signed by:




Date: 04/08/2021

On behalf of VNTPL, Pune  
Signed by:



Date: 04/08/2021

Witness 1: Dy C S Choudhary 

Witness 2: Dy A V Waghmare 



# Vimal Nourishment Technologies Pvt Ltd.

Sr.No 19 Hissa No 1, Dhayari, Pune -411041

Phone No : 0446222253

Email: [info@vimalgroup.co.in](mailto:info@vimalgroup.co.in)

## CERTIFICATE

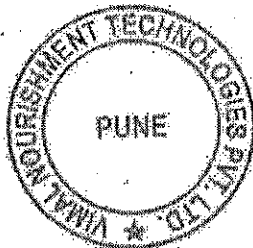
This is to certify that **Shri Chandrakishor Shrirang Choudhari** from All India Shri Shivaji Memorial Society's College of Engineering Pune has successfully completed Two Week Industrial Training at Vimal Nourishment Technologies Pvt. Ltd. Pune during 14/07/2021 to 27/07/2021.

For

Vimal Nourishment Technologies Pvt. Ltd. Pune

Dipak N. Patil.

Managing Director



  
**PRINCIPAL**  
ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING  
KENNEDY ROAD, PUNE-411 001



# RESEARCH COLLABORATION AGREEMENT

between

**UNIVERSITI MALAYSIA TERENGGANU**

and

**UNIVERSITI KEBANGSAAN MALAYSIA**

and

**RIVERS STATE UNIVERSITY**

and

**AISSMS COLLEGE OF ENGINEERING PUNE**



KERAJAAN MALAYSIA

IBU PEJABAT  
LEMBAGA HASIL DALAM NEGERI MALAYSIA  
MENARA HASIL  
PERSIARAN RIMBA PERMAI  
CYBER 8, 63000 CYBERJAYA  
SELANGOR DARUL EHSAN

**RESIT RASMI SETEM**

ASAL

**STAMP OFFICIAL RECEIPT**

(Sila lekatkan resit rasmi setem ini ke atas surat cara sebagai buktii penyoteman)  
Please attach this stamp official receipt to the instrument as evidence of stamping.

**Cara Bayaran / Payment Method** TUNAI  
**No. Adjudikasi / Adjudication No.** T015CG210360447 (SALINAN 3/3)  
**Jenis Surat Cara / Type Of Instrument** RESEARCH COLLABORATION AGREEMENT  
**Tarikh Surat Cara / Date Of Instrument** 01/07/2021  
**Balasan / Consideration** RM 0.00  
**Maklumat Pihak Pertama / Penjual / Pemberi / First Party / Vendor / Transferor / Assignor**  
UNIVERSITI MALAYSIA TERENGGANU, NO SYARIKAT 000  
**Maklumat Pihak Kedua / Pembeli / Penerima / Second Party / Purchaser / Transferee / Assignee**  
UNIVERSITI KEBANGSAAN MALAYSIA, NO SYARIKAT 000  
**Butiran Harta / Suratcara / Property / Instrument Description**  
TIDAK BERKENAAN

LHDN  
MALAYSIA

Dengan ini disahkan surat cara ini dsetem dan diindors seperti maklumat di bawah:  
This is to certify this instrument is stamped and indorsed as below:

|  |                 |
|--|-----------------|
| No. Resit Rasmi Setem / Stamp Official Receipt No. | T015CG210360447 |
| Tarikh Penyoteman / Date of Stamping               | 01/07/2021      |
| Duit Setem Dikenakan / Amount of Stamp Duty        | RM 0.00         |
| Penanti / Endorser                                 | RM 0.00         |
| Pelaksanaan / Adjudicator                          | RM 0.00         |
| Jumlah Dibayar / Total Amount Paid                 | RM 0.00         |
| Nota Setem / Stamp Note (Nota Setem 1940)          | Seksyen 12      |

Pemungku Duit Setem

No. Kelulusan Perbendaharaan / Treasury Approval No. : KK/BSKK/10/600-2/1/2(00)

Tarikh Cetak / Printed Date : 12/07/2021 11:13:30

Pengesahan kelulusan Resit Rasmi Setem ini boleh dipastikan di [stamps.hasil.gov.my](http://stamps.hasil.gov.my) atau melalui aplikasi telefon pintar  
The authenticity of this Stamp Official Receipt can be verified at [stamps.hasil.gov.my](http://stamps.hasil.gov.my) or by mobile app  
Ini adalah cetakan komputer dan tidak perlu ditandatangani  
This is a computer generated printout and no signature is required

**RESEARCH COLLABORATION AGREEMENT  
BETWEEN  
UNIVERSITI MALAYSIA TERENGGANU  
AND  
UNIVERSITI KEBANGSAAN MALAYSIA  
AND  
RIVERS STATE UNIVERSITY  
AND  
AISSMS COLLEGE OF ENGINEERING PUNE**

**THIS RESEARCH COLLABORATION AGREEMENT** (hereinafter referred to as the "Agreement")  
is made on 1<sup>st</sup> July 2021

**BETWEEN**

**UNIVERSITI MALAYSIA TERENGGANU**, a public university established in Malaysia under the Universities and University Colleges Act 1971 [Act 30], whose address is at 21030 Kuala Nerus, Terengganu, MALAYSIA (hereinafter referred to as "UMT") of the first part;

**AND**

**UNIVERSITI KEBANGSAAN MALAYSIA**, a public institution of higher learning established under the Universities and University Colleges Act 1971 and for the purpose of this Agreement is represented by its Center for Research and Instrumentation Management (CRIM) and having its address at 43600 UKM Bangi, Selangor Darul Ehsan (hereinafter referred to as "UKM") of the second part;

**AND**

**THE RIVERS STATE UNIVERSITY**, the first Technological University in Nigeria and the first state owned State University in the Niger University in the Niger Delta region of Nigeria, whose address is at Nkpolu – Oroworukwo, Port Harcourt, Rivers State, NIGERIA (hereinafter referred to as "RSU") of the third part;

**AND**

**AISSMS COLLEGE OF ENGINEERING PUNE (AISSMSCOE)**, a private institution run by AISSMS Society, Pune is a reputed institute imparting higher education affiliated to Savitribai Phule Pune University, Pune and approved by AICTE, New Delhi India. The institute emphasizes industry academia collaboration as well as research along with regular teaching learning activities. The address of the institute is 1, Kennedy Road, Pune - 411001, Maharashtra State, INDIA (hereinafter referred as "AISSMSCOE") of the fourth and final part.

UMT, UKM, RSU and AISSMSCOE hereinafter collectively referred to as "the Parties" and individually as "the Party".





**WHEREAS:**

- A. UMT is a marine focused university which strives to enhance and strengthen its academic and research activities and has taken various initiatives to complement its educational excellence. UMT has entered into various collaborative arrangements with other parties to enhance its research capabilities.
- B. UKM is one of five research universities in Malaysia with a strategic direction to be the regional leader in academic and research excellence. In taking various initiatives to enhance its academic and research capabilities, UKM has established partnerships with various organizations. UKM through its faculties and institutes offers undergraduate and postgraduate courses in various fields.
- C. RSU at Port Harcourt was established in October, 1980 from the Rivers State College of Science and Technology which was itself established in 1972. It is located at Nkpolu-Oroworukwo in Port Harcourt, the capital of Rivers State, Nigeria. It is the first Technological University in Nigeria and the first state owned State University in the Niger Delta region of Nigeria. The motto of the University is "Excellence and Creativity". The University has a staff strength of 1,870 and a student population of 29,939. The University is ranked as the 16<sup>th</sup> 12<sup>th</sup> among 80 other universities in Nigeria. The language of instruction in the institution is English.
- D. The All India Shri Shivaji Memorial Society established in 1918, is a premium education society in India, and is catering instructions in General and In Engineering Education since 1992. AISSMS College of Engineering (AISSMSCOE) is one of the reputed Engineering Institute in Savitribai Phule Pune University. It offers AICTE recognised and university affiliated courses leading to the degree of Bachelor of Engineering (BE) in eight engineering streams and Master of Engineering (ME) in seven engineering streams. The college is accredited as "A+" by National Assessment and Accreditation Council (NAAC) and awarded as "Best Professional Engineering College" by Savitribai Phule Pune University in AY 2019-20. The institute emphasizes industry academia collaboration as well as research along with regular teaching learning activities.
- E. The Parties wish to collaborate in the research project entitled "Development of Environmental Friendly Corrosion-Fouling Inhibitors for Marine Application" (hereinafter referred to as "Project").
- F. The Parties hereto have agreed to enter into this Agreement for the purpose of recording the terms and conditions of their cooperation relating to the research collaboration and to govern their respective rights and obligations.



**NOW IT IS HEREBY AGREED BY THE PARTIES as follows:**

**1. DEFINITIONS AND INTERPRETATIONS**

1.1. In this Agreement, unless the context otherwise requires:

**"Agreement"** shall mean the documents forming this Agreement together with all Schedules and/or Annexures to it, which such documents taken together shall be complementary of one another;

**"Background Intellectual Property"** shall mean any Intellectual Property rights owned by the Party prior to the commencement of this Agreement and which is made available by a Party or Parties to carry out the research work in relation to the Project;

**"Commencement Date"** **1<sup>st</sup> July 2021**

**"Confidential Information"** shall mean all information passing from a Party ("Disclosing Party") to the other Party ("Receiving Party") in this Agreement relating to the Project, including, without limitation to, (i) financial information, reports or findings, studies, consultations, methodologies, proposals, systems, programs, strategies, improvements, discoveries, innovations, inventions, trade secrets, drawings, know-how, source and object codes, arrangements and agreements with third parties, formulae, concepts not reduced to material form, designs, plans and models whether given orally or in writing (ii) any derivations of any information or data which embodies, contains or describes the Confidential Information, and (iii) any other data or information designated by the Disclosing Party to be confidential or relating to the current or prospective activities or businesses of the Disclosing Party. The Confidential Information shall also include such



Information or data that may be in the possession of a Party's employees or management;

**"Intellectual Property"**

shall mean all rights in relation to inventions (including patents), registered and unregistered trademarks (including service marks), copyright, circuit layouts, register able designs, register able plant varieties, processes, know-how, mathematical algorithm and confidential information in the industrial, scientific and artistic fields, including application or right to apply for registration of any of those rights;

**"Project"**

shall mean the research project entitled "Development of Environmental Friendly Corrosion-Fouling Inhibitors for Marine Application" as described in ANNEX A;

**"Project Leader"**

shall mean a person appointed by the Parties to conduct the collaborative research work in relation to the Project as specified in ANNEX B;

**"Project Member"**

shall mean a team member of the Project which consists of representative of each Party as listed in ANNEX B;

**"Foreground Intellectual Property"**

shall mean any Intellectual Property rights arising from or in the course of the implementation of the Project.

- 1.2. Monetary references are in Ringgit Malaysia.
- 1.3. Any word (including a word defined or given a special meaning) denoting the singular shall include the plural and vice versa.
- 1.4. Any word denoting one gender only shall include each other gender.
- 1.5. A reference to a person shall include a corporation as well as a natural person.
- 1.6. A reference to a Schedule is a reference to a schedule to this Agreement.



## **2. COMMENCEMENT AND TERM OF AGREEMENT**

- 2.1 This Agreement shall be in force upon signing and shall remain in effect for a period of **TWO (2) YEARS** unless otherwise terminated in accordance with Clause 12 of this Agreement.
- 2.2 The term of this Agreement may be extended in writing by mutual consent of the Parties.

## **3. SCOPE OF AGREEMENT**

- 3.1. In consideration of and subject to the terms of this Agreement and all applicable laws, the Parties shall carry out the Project in accordance with **ANNEX A**.
- 3.2. The Parties agree that the implementation of the Project shall at all times be led by the Project Leader and a team of Project Member as specified in **ANNEX B**. It is agreed that the service of the Project Leader and the Project Member shall not be terminated, replaced or substituted without prior consultation and agreement in writing by the Parties.
- 3.3. The Secretariat for each Party to this Agreement is represented by the following:
- (a) **UMT: Centre for Research and Innovation Management;**
  - (b) **UKM: Centre for Research and Instrumentation Management;**
  - (c) **RSU: Academic Planning Unit; and**
  - (d) **AISSMSCOE: Research Centre for Mechanical Engineering.**

## **4. JOINT RESPONSIBILITIES OF THE PARTIES**

- 4.1. In consideration of and subject to the terms of this Agreement and all applicable laws, the Parties shall jointly provide funding for the Project either through internal or external grants or in-kind contribution as set out in **ANNEX C**.
- 4.2. The Parties shall use all reasonable endeavours to perform and enable the other Party to perform in time the tasks assigned to each Party in the implementation of the Project in accordance to the descriptions and objectives as specified in **ANNEX A**.
- 4.3. The Parties shall perform the task assigned to each Party in proper manner and in accordance with good management practice and shall comply with the present laws and statutes.
- 4.4. The Parties shall assist and cooperate with each other in the performance of the Project. Such assistance and cooperation shall include the provision of



materials, facilities, data and information as may be reasonably required to satisfactorily perform the Project.

4.5. The Parties shall furnish the other Parties written reports of the progress of works carried out for the Project from time to time.

4.6. The Parties shall respond promptly to any queries from the other Parties from time to time in respect of the progress of the works in relation to the Project and any other matters in relation thereto by such means as are agreed from time to time by the Parties hereto.

## 5. **FORCE MAJEURE**

Neither Party shall be liable for any loss, damage, delay or failure of performance resulting directly or indirectly from any cause which is beyond its reasonable control, including but not limited to acts of God, epidemics, pandemics, riots, civil disturbances, wars, states of belligerency or acts of the public enemy, strikes, work stoppages, or the laws, regulations, acts or failure to act of any governmental authority ("Force Majeure Event"). In the event that performance under this Agreement is prevented for a continuous period of two (2) months or longer by any Force Majeure Event, either Party shall have the right to terminate this Agreement forthwith by written notice to the other Party.

## 6. **PUBLIC STATEMENT**

The Parties agree that no public statement shall be made on the Project or in relation to any products, processes or inventions developed as a result of the Project unless unanimously approved by the Parties.

## 7. **AMENDMENT AND WAIVER**

7.1. No variation of this Agreement shall be effective unless it is made in writing, refers specifically to this agreement and is signed by the duly authorized representative of the Parties.

7.2. No waiver of any term, provision or condition of this Agreement shall be effective except to the extent made in writing and signed by the duly authorized representative of the Parties.

7.3. No omission or delay on the part of either Party in exercising any right, power or privilege under this agreement shall operate as a waiver by it of any right to exercise it in future or any other of its rights under this Agreement.

## 8. **PROGRESS REPORTS**

8.1. Each Party shall furnish the other Parties written reports of the progress of works carried out for the Project from time to time.



- 8.2. Each Party shall respond promptly to any queries from the other Parties from time to time in respect of the progress of the works in relation to the Project and any other matters in relation thereto by such means as are agreed from time to time by the Parties hereto.

## 9. INTELLECTUAL PROPERTY

- 9.1. For the avoidance of doubt all Background Intellectual Property used in connection with the Project shall remain the property of the Party introducing the same. No Party will make any representation or do any act which may be taken to indicate that it has any right, title or interest in or to the ownership or use of any of the Background Intellectual Property of the other parties except under the terms of this Agreement.
- 9.2. Each Party acknowledges and confirms that nothing contained in this Agreement shall give it any right, title or interest in or to the Background Intellectual Property of the other Parties save as granted by this Agreement. The Parties agree that any improvements or modifications to a Party's Background Intellectual Property arising from the Project which are not severable from that Background Intellectual Property will be deemed to form part of that Party's Background Intellectual Property.
- 9.3. Each Party grants the others a royalty-free, non-exclusive licence for the duration of the Project to use its Background Intellectual Property for the sole purpose of carrying out the Project. No Party may grant any sub-licence over or in respect of the other's Background Intellectual Property.
- 9.4. Each Party shall own the Foreground Intellectual Property generated by its employees, students and/or agents under the Project and shall ensure that it secures ownership of such Foreground Intellectual Property from its employees, students and agents. Subject to the terms of the Agreement, the Party owning any Foreground Intellectual Property shall be entitled to use and exploit such Foreground Intellectual Property as that Party sees fit, and subject always to Clauses 9.5 and 9.6.
- 9.5. Where any Foreground Intellectual Property is created or generated by the Parties jointly and it is impossible to segregate each Party's intellectual contribution to the creation of the Foreground Intellectual Property, the Foreground Intellectual Property shall be jointly owned by those Parties in equal shares. The owners may take such steps as they may decide from time to time, to register and maintain any protection for that Foreground Intellectual Property, including filing and prosecuting patent applications for any Foreground Intellectual Property, and taking any action in respect of any alleged or actual infringement of that Foreground Intellectual Property. If one or more of the owners does not wish to take any such step or action, the other owner(s) may do so at their expense, and the owner not wishing to take such



steps or action will provide, at the expense of the owner making the request, any assistance that is reasonably requested of it.

- 9.6. Any joint owner of any of the Foreground Intellectual Property may commercially exploit the Foreground Intellectual Property upon consultation and agreement with the other Party which shall not be unreasonably withheld or delayed and which will be on fair and reasonable conditions.

## 10. CONFIDENTIALITY

- 10.1. Upon being informed by any of their researchers of any inventions first actually reduced to practice in the performance of the Project, the Parties shall promptly disclose to the other Party and shall hold such disclosure on a confidential basis and will not disclose the information to any third party without the written consent of the other Party.
- 10.2. All information communicated between the Parties in connection with either this Agreement or work and/or services carried out or to be carried out pursuant to this Agreement shall be treated by all Parties as confidential and such information shall not be made known to any person other than a person who is necessarily either associated with this Agreement or with work or services carried out or to be carried out pursuant to this Agreement unless with the prior written consent of the Parties hereto.
- 10.3. This obligation to keep matters confidential shall apply during the subsistence of this Agreement and shall survive the termination of this Agreement.
- 10.4. Neither Party shall enter into any Agreement or other obligations, commitments or liabilities of any kind on behalf of the other or attempt to do so or hold itself out as representing the other unless previously authorized by the other to do so.
- 10.5. The Parties will procure that at all times keep confidential and will not disclose to any third parties, persons or individual any confidential information acquired by UMT, UKM, RSU and AISSMSCOE in connection with this Agreement unless otherwise authorized in advance in writing by either Party. The Parties retain all rights and interests and copyright in their materials that are provided under this Agreement.

## 11. PUBLICATION

- 11.1. Any publication by any Party of the outcome of the Project; or any data or information provided or contributed by the other Parties to the Project, or acquired by the other Parties by reason of the Project shall be with the consent of the other Parties to this Agreement.



- 11.2. For the purpose of obtaining consent for publication under Clause 11.1:
- (a) the Party wishing to publish shall furnish the other Parties a copy of the proposed publication; and
  - (b) the other Parties shall review the proposed publication within twenty-one (21) days or any extended period which have been mutually agreed to from the date the proposed publication is furnished.
- 11.3. Where the Parties deem it reasonably necessary to protect the interests of the Parties in the Project, proposed publication containing details of an invention etc. may be withheld until a patent application is filed or other appropriate steps to protect such interests are taken and completed.

## 12. TERMINATION

- 12.1. Either Party shall have the right to terminate this Agreement if the other fails to comply with or observe any condition of the Agreement and within 21 days of written notification of a breach fails to remedy the aforesaid breach. The aggrieved Party may reserve the right to suspend such termination where, in its sole opinion, steps have been taken to remedy the breach but may remove such suspension should remedial action not have been completed.
- 12.2. In the event of the termination of this Agreement, the Parties shall have no obligation to each other except for payments still outstanding and payable by the Parties for activities already undertaken prior to the date of termination.

## 13. ASSIGNMENT

The rights and obligations of each Party under this Agreement cannot be assigned, transferred, charged or dealt with in any other similar manner, and neither Party shall purport to do any of the same, nor subcontract any or all of its obligations under this agreement without prior written consent of the other Party.

## 14. INDEMNITY

- 14.1. The Parties shall indemnify and hold each other harmless from any and all loss or liability for any and all claims, causes of action, suits, proceedings, losses, damages, demands, fees, expenses, fines, penalties and costs, including without limitation reasonable attorney's fees, costs and disbursements arising from any personal injury, death or damages of any third party caused by the performance of the Research under this Agreement.
- 14.2. Neither of the Parties shall be liable to the other for any indirect, incidental, special or consequential loss or damages (including but not limited to loss of profits, revenue or business) resulting from or in any way related to this Agreement, or the termination of this Agreement.





**15. SUCCESSORS BOUND**

This Agreement shall be binding on the successors in title, executors and permitted assigns of the Parties hereto.

**16. INDEPENDENT CONTRACTOR RELATIONSHIP**

This Agreement does not constitute a partnership between the Parties. Each Party shall at all times be acting as an independent contractor in the ordinary course of business. Except where expressly authorized by this Agreement or any other agreement between the Parties, neither Party may undertake without the prior consent of the other Party any obligations on behalf of this Agreement.

**17. RECONSTRUCTION OF THE PARTIES**

The liabilities and or obligations created by this Agreement shall continue to be valid and binding for all purposes whatsoever notwithstanding any change by amalgamation reconstruction or otherwise which may be made in the constitution of the Parties or of any body by which the business of the Parties may for the time being be carried on and shall be available to the body carrying on that business for the time being.

**18. TIME**

Time whenever mentioned herein shall be deemed to be of the essence of this Agreement.

**19. APPLICABLE LAWS AND NECESSARY CONSENTS**

19.1. The proper law governing this Agreement shall be Malaysian Law. Any dispute which may arise between the Parties concerning this Agreement shall be determined by the Malaysian Court, the Parties hereby submit to the exclusive jurisdiction of the Malaysian Court and Indonesian Court for such purpose.

19.2. The Parties will use their best endeavour to comply with all applicable laws, statutes, by-laws and regulations of a governmental nature relating to the operation of the Project.

19.3. The Parties will use their best endeavour to obtain all necessary approvals, consents and permissions required from the relevant authority in connection with the operation of the Project.

**20. NON-WAIVER**

No failure or delay on the part of any Party hereto in exercising any power or right hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of such right or power preclude any other or further exercise thereof or the exercise of any other right or power herein.



**21. SEVERABILITY**

Each clause hereof shall be deemed to be independent and the invalidity of any such clause which may be unenforceable as being contrary to the principles of law shall not affect the validity of any other clause of this Agreement.

**22. ENTIRE AGREEMENT**

This Agreement represents the understanding between the Parties with respect to its subject matter and supersedes any prior and/or contemporaneous discussions, representations or agreements, whether written or oral of the Parties regarding this subject matter. Purported amendments or changes shall be of no force or effect unless they are in writing and signed by duly authorized representatives of the Parties.

**23. VARIATION**

Subject to the rights of the Parties to amend course materials and other related documents as specified in this Agreement and after consultation with any of the Parties, no variation of this Agreement (including its Appendices) shall be binding, unless it is in writing and signed by authorized representatives of the Parties.

**24. NOTICES**

Any notice to be given hereunder by either Party to the other may be sent by facsimile transmission or by first class recorded delivery prepaid post addressed to the address of the other Party as set out below, or such other address as may be notified in writing as an address for service and any such notice shall be deemed to have been received for service by facsimile, on the day sent, and in the case of service by post, fourteen (14) working days after the date of posting.

(a) For UMT  
Address : 21030, Kuala Nerus,  
Terengganu, MALAYSIA  
Attn. To : Director  
Centre for Research and Innovation Management  
E-mail : pengarah-ppp@umt.edu.my  
Tel. No. : +609-6684455  
Fax No. : +609-6684944

(b) For UKM  
Address : Universiti Kebangsaan Malaysia  
43600 UKM Bangi  
Selangor Darul Ehsan  
Attn. To : Director  
Centre for Research and Instrumentation Management  
E-mail : drmc@ukm.edu.my



Tel. No. : +603 - 8925 3184  
Fax No. : +603 - 8925 4550

(c) For RSU  
Address : Nkpolu - Oroworukwo P.M.B. 5080  
Port Harcourt, Rivers State Nigeria  
Attn. To : The Vice Chancellor,  
Email : nlerum.okogbule@ust.edu.ng  
Tel. No.: +234 906 203 3338  
Fax No. : +234 906 203 3339

(d) For AISSMSCOE  
Address : 1, Kennedy Road, Pune – 411001, Maharashtra State,  
India  
Attn. To : The Principal  
Email : principal@aiassmscoe.com  
Tel. No. : +91-20 2605 7660 / 2605 8587,  
Fax No. : +91-20 2605 8943

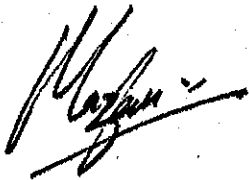
The above address may be altered by prior written notice given by either Party pursuant to this Clause.

[end of clauses]



**IN WITNESS WHEREOF** the Parties hereto have set their hands/seals the day and year first written.

Signed by  
for and on behalf of  
**UNIVERSITI MALAYSIA TERENGGANU**



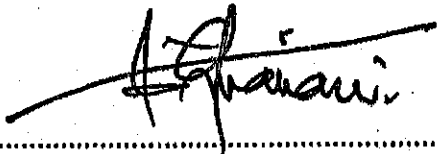
.....  
**PROF. DR. MAZLAN ABD. GHAFFAR**  
**VICE CHANCELLOR (RESEARCH & INNOVATION)**

In the presence of:



.....  
**PROF. MADYA CHM. DR. KHAIRUL ANUAR BIN MAT AMIN**  
**EXERCISING THE FUNCTION OF DIRECTOR**  
**CENTRE OF RESEARCH AND INNOVATION MANAGEMENT**  
**UNIVERSITI MALAYSIA TERENGGANU**

Signed by  
for and on behalf of  
**UNIVERSITI KEBANGSAAN MALAYSIA**



.....  
**PROF. DATO' TS. DR. MOHD EKHWAN HJ. TORIMAN**  
VICE CHANCELLOR

**In the presence of:**



.....  
**PROF. DR. ISMANIZAN ISMAIL**  
DIRECTOR  
CENTRE FOR RESEARCH AND INSTRUMENTATION MANAGEMENT

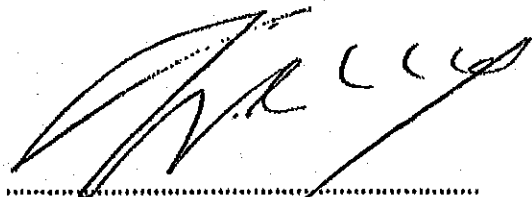


Signed by  
for and on behalf of  
RSU

 14/5/21

PROF. Nlerum Sunday Okogbule  
VICE CHANCELLOR

In the presence of:

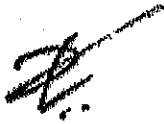


PROF. P. N. Ede  
DIRECTOR OF ACADEMIC PLANNING

18/15



Signed by  
for and on behalf of  
AISSMS COE, PUNE



.....  
**DR D S BORMANE**  
Principal

In the presence of:



.....  
**PROF. (Dr) C S CHOUDHARI**  
Coordinator, Internal Quality Assurance Cell  
AISSMS COE Pune

16



**ANNEX A**  
**THE PROJECT**

(Shall be formed as part of parcel of the Agreement)

**DETAILS OF THE PROJECT**

**1. PROJECT BACKGROUND**

Corrosion-fouling is common phenomena for ship hull and offshore structure. These problems pose billions of dollars to maritime industry. The annual cost of corrosion-fouling worldwide was estimated exceeding US\$ 2.5 trillion in 2016, which translates to 3 to 4% of the Gross Domestic Product of industrialized countries. Recently, natural extracts and natural compounds derived from plants have been identified as an environmentally acceptable, readily available and renewable source for wide range of inhibitors. Effective formulations of corrosion-fouling will be developed by incorporating other additives. Corrosion-fouling inhibition will be evaluated by weight loss method, electrochemical measurements, surface analysis, and compare them with commercially available inhibitors. In addition to validate the obtained experimental results, computational studies will be carried out. Fundamental mechanism interaction of the compounds and physical interaction with epoxy metal will be investigated by means XRD, FTIR, SEM, TEM, EIS and morphological analysis. The corrosion and fouling progress will be monitored in seawater and acidic environments. Effect of temperature will also be studied. The proposed study is expected to introduce corrosion-fouling inhibitors which will be environment friendly and of low cost. This study offers an area for new knowledge and inventions addressing various aspects such as corrosion treatment and biological active components which may provide valuable innovation in maritime field. This study will be led by Universiti Malaysia Terengganu with the involvement of four other main parties namely Universiti Kebangsaan Malaysia (UKM), Rivers State University (RSU) and AISSMS College of Engineering, Pune, India (AISSMSCOE).

**2. PROJECT DESCRIPTION**

**Agency 1:**

Development of Corrosion-fouling Coating for Mild Steel and Aluminium (UMT).

**Agency 2:**

Characterisations and Laser Testing of Coatings for Pipeline Anticorrosion-fouling Activities (UKM).

**Agency 3:**

Development of Corrosion Inhibitors and Descaling Agents from for Mild Steel and Aluminium (RSU).

**Agency 4:**

Computational Fluid dynamics analysis (AISSMSCOE).





**3. PROJECT OBJECTIVES**

- a) To formulate anti fouling-corrosion coating for the protection of aluminum and mild steel (UMT).
- b) To determine the effect of inhibitors when applied to plasma sprayed micro groves and pipes (UKM).
- c) To formulate corrosion inhibitors and descaling agent from plant extracts (RSU).
- d) To perform computational fluid dynamics studies (AISSMSCOE).

**3. PROJECT DELIVERABLES**

- (a) Publications in reputable journals.
- (b) Publications in proceedings.
- (c) Book publication.
- (d) Master student or Research scholar.



**ANNEX B****PROJECT TEAM**

(Shall be formed as part and parcel of the Agreement)

| NO | RESEARCHERS   | FIELD   | FACULTY/ SCHOOL/ CENTRE/ UNIT  |
|----|---|---|--|
| 1. | Prof Dr Wan Mohd Norsani bin Wan Nik<br>IC:660731115439<br>(Project Leader) | Mechanical Engineering,<br>Corrosion                            | Faculty of Ocean Engineering<br>Technology and Informatics, UMT.                               |
| 2. | Ts. Chm. Dr Nabilah Ismail<br>IC:871009075230                               | Analytical Chemistry,<br>Green Chemistry                        | Faculty of Science and Marine<br>Environment, University Malaysia<br>Terengganu                |
| 3. | Dr. Mohammad Fakhratul<br>Ridwan<br>bin Zulkifli<br>IC:870705025603         | Maritime Technology,<br>Fouling                                 | Faculty of Ocean Engineering<br>Technology and Informatics, UMT.                               |
| 4. | Assoc. Prof. Ts. Dr. Mohd<br>Sabri bin Mohd Ghazali<br>IC:850518-06-5505    | Materials, Nano Physics   | Faculty of Science and Marine<br>Environment, University Malaysia<br>Terengganu                |
| 5. | Prof Dr Maryam Jameelah<br>Binti Ghazali<br>IC:750316086182                 | Mechanical Engineering,<br>Material                             | Faculty of Built Environment, Dept<br>of Mechanical Engineering &<br>Material Engineering, UKM |
| 6. | Engr. Dr. Izionworu<br>Vincent Onuegbu<br>Passport: A10070980               | Chemical/Petrochemical<br>Engineering                           | Faculty of Engineering, Rivers State<br>University (RSU).                                      |
| 7. | Dr Dinesh Y Dhande<br>Passport No:K6832480<br>(Project Leader)              | Mechanical Engineering,<br>Material, CFD                        | Department of Mechanical<br>Engineering, AISSMS College of<br>Engineering Pune                 |
| 8. | Dr. Paramanand N Dange<br>Passport No: U4224185                             | Chemical Engineering,<br>CFD, Synthesis and<br>Characterization | Department of Chemical<br>Engineering, AISSMS College of<br>Engineering Pune                   |
| 9. | Dr D V Nighot<br>Passport No: J7821294                                      | Material Science,<br>Synthesis and<br>Characterization          | Department of Chemical<br>Engineering, AISSMS College of<br>Engineering Pune                   |



**ANNEX C**

**FUNDING OF THE PROJECT**

| <b>Parties</b> | <b>Value of Contribution</b>         |
|----------------|--------------------------------------|
| UMT            | RM 20,000.00                         |
| UKM            | RM 20,000.00                         |
| RSU            | USD10,000 (± RM41,000.00)            |
| AISSMSCOE      | USD10,000 (± RM41,000.00)            |
| <b>Total</b>   | <b>RM122,000.00 (± USD29,415.00)</b> |



## ***Piper betle* extract as an eco-friendly corrosion inhibitor for aluminium alloy in hydrochloric acid media**

**W.B. Wan Nik,<sup>1\*</sup> K. Ravindran,<sup>1,2</sup> A.A. Al-Amiery,<sup>3</sup> V.O. Izionworu,<sup>4</sup>  
O.S.I. Fayomi,<sup>5</sup> E. Berdimurodov,<sup>6</sup> W. Daoudi,<sup>7</sup> F. Zulkifli<sup>1,\*\*</sup>  
and **D.Y. Dhande<sup>8</sup>****

<sup>1</sup>*Faculty of Ocean Engineering Technology and Informatics, Universiti Malaysia Terengganu, 21030 Kuala Nerus, Terengganu, Malaysia*

<sup>2</sup>*Galtech Engineering (M) Sdn. Bhd, Pusat Perniagaan Manjung Point 2, 32040 Seri Manjung, Perak*

<sup>3</sup>*Faculty of Engineering and Built Environment, Universiti Kebangsaan Malaysia, 43600 Bangi, Selangor, Malaysia*

<sup>4</sup>*Department of Chemical/Petrochemical Engineering Rivers State University, Nkpolu-Oroworukwo, Port Harcourt, Nigeria*

<sup>5</sup>*Department of Mechanical and Biomedical Engineering, Bells University of Technology, 500001 Ota, Nigeria*

<sup>6</sup>*Faculty of Chemistry, National University of Uzbekistan, Tashkent, 100034, Uzbekistan*

<sup>7</sup>*Laboratory of Materials and Environment, Dept of Chemistry, Multidisciplinary Faculty of Nador, University of Mohamed I, 60700 Nador, Morocco*

<sup>8</sup>*AISSMS College of Engineering, Pune, 411001, India*

\*E-mail: [niksani@umt.edu.my](mailto:niksani@umt.edu.my)

\*\*E-mail: [fakhratulz@umt.edu](mailto:fakhratulz@umt.edu)

### **Abstract**

Corrosion poses a significant challenge in our daily lives across various mediums, conditions, and factors. Although there have been numerous studies and investigations on environmentally friendly corrosion inhibitors, the available data and evidence on the effectiveness of *Piper betle* extract as a corrosion inhibitor are still insufficient. In this study, we explored the potential of green inhibitors, specifically *Piper betle* extract, for inhibiting corrosion in HCl on aluminium alloy. Sequential maceration using *Piper betle* extract was employed, and a weight loss experiment was conducted by immersing the aluminium alloy in HCl for 24 hours at various concentrations. The corrosion products and microstructures were then characterized using Scanning Electron Microscopy (SEM). The results obtained from this study, based on weight loss measurements, indicate a significant correlation between the inhibitory action and the amount of the inhibitor. However, our study found that the *Piper betle* extract inhibitor did not surpass the performance of the industrial inhibitor. When the concentration varied from 0 to 2500 ppm, the inhibition efficiencies of *Piper betle* extract and the industrial inhibitor increased up to 47% and 90%, respectively. Fourier Transform Infrared Spectroscopy (FTIR) revealed that hydroxychavicol is the primary active compound in *Piper betle* extract, and the presence of aromatic hydroxyl compounds contributes significantly to the corrosion inhibition activity.

## Conclusion

The *Piper betle* crude inhibitor demonstrates the characteristics of a mixed inhibitor for the corrosion of aluminium metal in 1.0 M hydrochloric acid (HCl). The weight loss measurements conducted under various concentrations of Piper betle extract indicate an inhibition efficiency of up to 47.0%. This suggests that the *Piper betle* extract exhibits effective corrosion inhibition properties for aluminium in the presence of HCl.

SEM analysis of the aluminium alloy surface reveals significant corrosion in the absence of inhibitor, while in the presence of *Piper betle* extract, the corrosion is minimized, indicating the formation of a protective film on the surface of the aluminium alloy. This indicates that the *Piper betle* inhibitor acts as a corrosion inhibitor and helps mitigate the corrosive effects of HCl on the aluminium alloy.

The corresponding Energy Dispersive Spectroscopy (EDS) spectrum confirms the presence of chloride atoms on the surface of the aluminium alloy, indicating the occurrence of corrosion. However, in the presence of the *Piper betle* inhibitor, the corrosion is reduced, suggesting the formation of a protective film that hinders chloride attack.

Fourier Transform Infrared Spectroscopy (FTIR) analysis reveals the presence of functional groups such as hydroxyl groups, aromatic compounds, and benzene groups in the *Piper betle* extract. These findings suggest the presence of flavonoids or related compounds in the inhibitor, which contribute to its corrosion inhibition properties.

## Acknowledgements

We would like to thank **Universiti Malaysia Terengganu for the Corrosion UMT-UKM-RSU-AISSMS 1+3 matching grant (vot 53432)**. We also would like to acknowledge FRGS (FRGS/1/2021/STG05/UMT/01/1-Corrosion Inhibition) grant for supporting this publication. Furthermore, support from Marine Materials Research Group and Marine Corrosion SIG is really valued and last but not least, assistance from Suria Hani and Chaizani (UMT English Learning Centre) for improving the manuscript language is very much appreciated.

## References

1. B. Tan, J. He, S. Zhang, C. Xu, S. Chen, H. Liu and W. Li, Insight into anti-corrosion nature of *Betel* leaves water extracts as the novel and eco-friendly inhibitors, *J. Colloid Interface Sci.*, 2021, **585**, 287–301. doi: [10.1016/j.jcis.2020.11.059](https://doi.org/10.1016/j.jcis.2020.11.059)
2. Wajilan, A. Fernandes and A. Wahyudianto, Effect of a mixture of paint and *Rhizophora mucronata* leaves extract as a natural inhibitor of marine steel in 3.5% NaCl solution, *Int. J. Corros. Scale Inhib.*, 2021, **10**, no. 4, 1441–1453. doi: [10.17675/2305-6894-2021-10-4-5](https://doi.org/10.17675/2305-6894-2021-10-4-5)
3. A. Abdel-Samad, Y. Soud and M. Zaki, Influence of paint on steel corrosion for marine applications, *J. Surf. Eng. Mater. Adv. Technol.*, 2014, **4**, no. 4, 189–195. doi: [10.4236/jsemat.2014.44022](https://doi.org/10.4236/jsemat.2014.44022)

## Prediction of abrasive wear behavior of the poly-tetra-fluoroethylene material using adaptive neuro fuzzy interface systems

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<sup>2</sup> Department of Computer Engineering, AISSMS College of Engineering, INDIA.

<sup>3</sup> Department of Civil Engineering, AISSMS College of Engineering, INDIA.

<sup>4</sup> Department of Mechanical & Manufacturing Engineering Faculty of Engineering & Built Environment, Universiti Kebangsaan Malaysia, MALAYSIA.

<sup>5</sup> Maritime Technology Department, Faculty of Ocean Engineering Technology and Informatics, Universiti Malaysia Terengganu, MALAYSIA.

\* Corresponding author: dydhande@aissmscoe.com

### KEYWORDS

Abrasive Wear  
ANFIS  
Pin on disc  
Fuzzy logic  
PTFE  
Wear

### ABSTRACT

The process of estimating wear rates for composites is nonlinear and complex. Artificial intelligence (AI)-based expert systems, such as artificial neural networks (ANNs) and fuzzy inference systems (FIS), possess several useful characteristics that make them suitable for modeling nonlinear systems. However, the accuracy of the ANN prediction is hindered if the input variables are unexpectedly altered. The Adaptive Neuro-Fuzzy Inference System (ANFIS) combines the adaptability and learnability of ANNs with the verbal expressions of the FIS. This study proposes an ANFIS sub-clustering-based prediction model for the abrasive wear rate of Polytetrafluoroethylene (PTFE), which is widely used in various applications. The experimental wear of the PTFE material was estimated by varying the load, speed, and sliding distance using in-house tribometer, and the extracted data was used to design an ANFIS model for wear prediction. The designed model was tested on a dataset that was not used to build the model. The regression analysis of the proposed model exhibited high prediction capability, with an R<sup>2</sup> value of 0.999 and a mean squared error of 0.39%.

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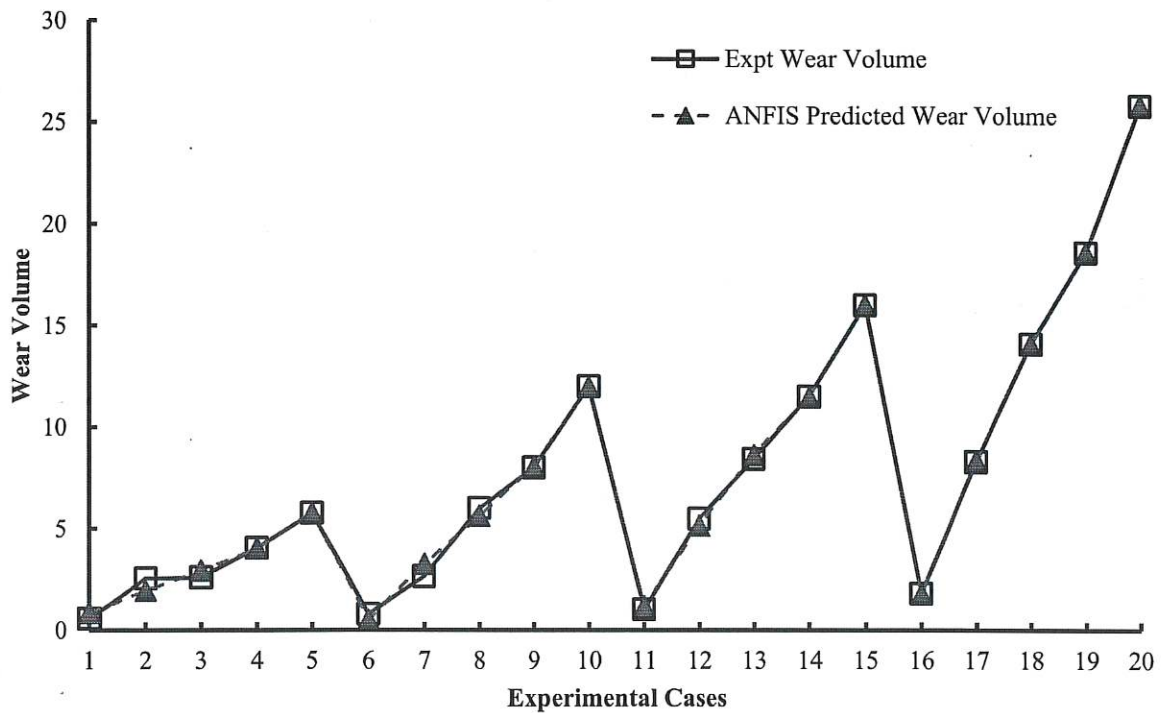


Figure 12: Comparison of experimental and ANFIS predicted wear volume.

### CONCLUSIONS

In this work, an in-house Tribometer is utilized to conduct an experimental study of PTFE's tribological performance. In order to predict the wear rate for different loads, speeds, and sliding distances, an adaptive neuro-fuzzy model was developed using the collected experimental data. The following conclusions can be drawn from the analysis of the data collected and used in this study.

1. There is a direct relationship between the load, speed, and sliding distance that are inputs and the wear rate. At light loads and slow speeds, wear is reduced.
2. The specific wear rate can be predicted with a 98.99% degree of accuracy using ANFIS modelling, indicating that the predicted values of specific wear rate are in good proximity with the experimental values.
3. Finally, the response surface plot shows that the wear performance of the PTFE material can be improved by decreasing the sliding speed and normal load, respectively, to decrease wear loss.

### ACKNOWLEDGEMENT

The authors are thankful to University Malaysia Terengganu for the AISSMS-UMT-UKM-RSU 1+3 research collaboration and assistance.

**Memorandum of Understanding**

**Between**

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**AND**

**INSTITUTE OF SYSTEMS, PUNE – 411 019**



## PREAMBLE

Whereas, The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various engineering disciplines of Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate engineering courses in Chemical, Civil (Structure), Computer, Electrical (Power Electronics and Drives), Electronics and Telecommunication (IoT and sensors) and Mechanical Engineering (Automotive and Design) and also PhD research Centre for Chemical, Mechanical and Computer Engineering.

Whereas, The Institute of Systems Pune is engaged in the areas of Six Sigma Green Belt Course with its registered office at Chikhali Pradhikaran, Pune.

Whereas both the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions as set forth in this Memorandum of Understanding ( MoU).

## OBJECTIVES OF MOU

1. To promote Industry institute interaction.
2. To provide access to industrial environment for the students and faculty.
3. To promote any other appropriate mode of interaction agreed upon between industry and institute.

Now, therefore this agreement is signed between the parties;

The AISSMS College of Engineering, 1, Kennedy Road, Pune - 411 001, Maharashtra (Hereinafter referred as AISSMS, COE)

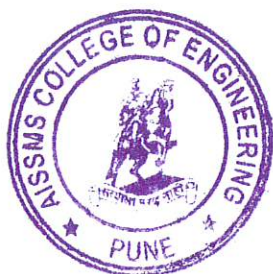
And

Institute of Systems Pune – 411 019

(Herein after referred as Institute of Systems Pune)

Whereas, the following is agreed upon by both the parties

## (A) SCOPE AND TERMS OF INTERACTION



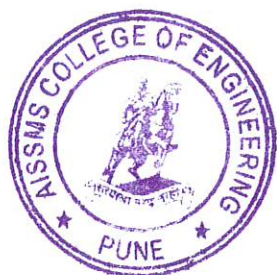
2

The AISSMS, COE, Pune and Institute of Systems Pune shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

1. Institute of Systems, Pune shall share their knowledge and expertise by way of joint conferences and seminars/workshops.
2. Institute of Systems, Pune shall provide practical training to AISSMS, COE, Pune students at industry
3. Institute of Systems, Pune may depute its personnel to conduct expert lectures at AISSMS, COE, Pune.
4. Institute of Systems, Pune will facilitate periodic field visits to faculty and students of AISSMS COE, Pune to enable them to get practical exposure and learning from interaction with professionals.
5. Institute of Systems, Pune would offer summer internship to interested students of AISSMS, COE, Pune at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided between Institute of Systems and AISSMS, COE every year.
6. Institute of Systems, Pune may showcase its business activities at the seminar or workshop or conference etc at AISSMS, COE Pune.
7. Institute of Systems, Pune Would help the students of AISSMS, COE, Pune for project based learning by allowing to carryout PG/UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirements.
8. Institute of Systems, Pune would offer Internship / Training / Company visit for interested existing students of AISSMS College of Engineering Pune.
9. Knowledge transfer personnel on new technologies through continuing Education programs to be calculated at AISSMS College of Engineering, Pune or at Institute of Systems, Pune facility in Chikhali Pradhikaran, Pune n areas of mutual interest of both the parties.
10. Institute of Systems, Pune & AISSMS, COE, Pune shall work jointly on certain technical problem faced by Institute of Systems.
11. AISSMS, COE shall nominate one faculty for each project given by Institute of Systems The faculty shall closely monitor the progress of the project & shall closely monitor the program review meeting at the Industry once a month.

#### (B) FINANCIAL ARRANGEMENTS

The collaborative program between AISSMS, COE and Institute of Systems, Pune shall be Academic & Industry related with no financial implications.



3

(C) INTELLECTUAL PROPERTY RIGHTS

Rights regarding publications, patents, royalty, ownership of software/design/product etc. developed under the scope of this MoU, shall be decided by both the parties by mutual consent, till then no party will have any kind of legal rights whatsoever on the publications, patents, royalty, ownership of software/design/product etc.

(D) CONFIDENTIALITY

The AISSMS, COE and the Institute of Systems agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side.

(E) COORDINATORS

Both sides will designate one or two persons who will be responsible for overall coordination and implementation of this agreement.

(F) DURATION OF MOU

This MoU will come in force from the date of signing of the MoU by the representatives of both the parties. It will remain valid for a period of three years, and may be continued after suitable review and mutual agreement. Either party may terminate the MoU by giving written notice to other party three months in advance. Once terminated, neither AISSMS, COE nor Institute of Systems will be responsible for any losses, financial or otherwise, which the other party may suffer.

This MoU is signed on this day of Monday of 04/04/2022, by both the parties, subject to approval of the respective academic/administrative bodies.

On behalf of AISSMS, COE

Pune

Signed by:

*[Signature]*  
h.h. 2022

Date:

Witness:

1. Dr. B. D. Bachchhav

*[Signature]*

On behalf of Institute of Systems,

Pune

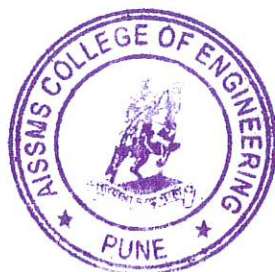
Signed by:

**For INSTITUTE OF SYSTEMS**  
*[Signature]*  
Yashwant Mahabadi  
4/4/2022  
**Proprietor**

Date:

2. Dr. S. H. Wankhade

*[Signature]*





# AISSMS



ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY

COLLEGE OF ENGINEERING, PUNE - 01

(Accredited by NAAC with grade A+)

ज्ञानम् सकलजनहिताय

## DEPARTMENT OF MECHANICAL ENGINEERING AY 2021-22 Activity Report

**Name of the activity:** Expert lecture on “Lean Manufacturing & Quality Systems”.

**Objectives of the activity:** Expert lecture was organized to introduce lean manufacturing and quality systems to SE Mechanical Sandwich students

**Topic/Theme:** Expert Lecture

**Activity level:** Department Level

**Date and Timings:** 04/04/2022 (09.30 am to 11.30 am)

**Venue:** CITP Seminar Hall

**Coordinator:** Dr B D Bachchhav

**Class:** SE (Mechanical Sandwich)

**Name of Expert:** Mr Yashwant Mahakal, Principal consultant, Institute of Systems

**Addressing POs:** PO1, PO5, PO6, PO11

**Outcome:** Awareness about lean manufacturing, Six sigma, Quality systems

**Impact:** Students are willing undergo Six sigma bridge course

## Glimpses of the event:



Welcome and felicitation of Guest speaker Mr. Pramod Dispute



Mr. Yashwant Mahakal delivering his speech



**Memorandum of Understanding**

**Between**

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**AND**

**ARAKERI ELECTRICAL INDUSTRIES,  
MIDC, Bhosari, PUNE**

PREAMBLE

Whereas, The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various engineering disciplines of Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate engineering courses in Chemical, Civil (Structure), Computer, **Electrical (Power Electronics and Drives)**, Electronics and Telecommunication (Microwave) and Mechanical Engineering (Automotive and Design).

Whereas, ARAKERI ELECTRICAL INDUSTRIES,PUNE is engaged in manufacturing of Transformers, CTs, PTs, Control Panels for process industries. They conduct free internship to students on Control panel design software.

Whereas both the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions as set forth in this Memorandum of Understanding ( MoU).

#### **OBJECTIVES OF MOU**

1. To promote Industry institute interaction.
2. To provide access to industrial environment for the students and faculty.
3. To promote any other appropriate mode of interaction agreed upon between industry and institute.

Now, therefore this agreement is signed between the parties;

**The AISSMS College of Engineering, Kennedy Road, Pune-411001, Maharashtra**  
(Hereinafter referred as **AISSMS, COE, Pune**)

And

**Arakeri Electrical Industries, S12/2 T Block, MIDC Bhasari, Pune**

Whereas, the following is agreed upon by both the parties

#### **(A) SCOPE AND TERMS OF INTERACTION**

The AISSMS, COE, Pune and ARAKERI ELECTRICAL INDUSTRIES shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

1. ARAKERI ELECTRICAL INDUSTRIES shall share their knowledge and expertise by way of joint conferences and seminars/workshops.
2. ARAKERI ELECTRICAL INDUSTRIES shall provide practical training to AISSMS, COE students at industry
3. ARAKERI ELECTRICAL INDUSTRIES may depute its personnel to conduct expert lectures at AISSMS, COE, Pune.

4. ARAKERI ELECTRICAL INDUSTRIES will facilitate periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with professionals.
5. ARAKERI ELECTRICAL INDUSTRIES would offer summer internship to interested students of AISSMS, COE at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided between ARAKERI ELECTRICAL INDUSTRIES and AISSMS, COE every year.
6. ARAKERI ELECTRICAL INDUSTRIES may showcase its business activities at the seminar or workshop or conference etc at AISSMS, COE.
7. ARAKERI ELECTRICAL INDUSTRIES would help the students of AISSMS, COE for project based learning by allowing to carryout PG/UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirements.
8. ARAKERI ELECTRICAL INDUSTRIES & AISSMS, COE shall work jointly on certain technical problem faced by VI MICROSYSTEMS.
9. AISSMS, COE shall nominate one faculty for each project given by ARAKERI ELECTRICAL INDUSTRIES. The faculty shall closely monitor the progress of the project & shall closely monitor the program review meeting at the Industry once a month.

#### (B) FINANCIAL ARRANGEMENTS

The collaborative program between AISSMS, COE and ARAKERI ELECTRICAL INDUSTRIES shall be Academic & Industry related with no financial implications.

#### (C) INTELLECTUAL PROPERTY RIGHTS

Rights regarding publications, patents, royalty, ownership of software/design/product etc. developed under the scope of this MoU, shall be decided by both the parties by mutual consent, till then no party will have any kind of legal rights whatsoever on the publications, patents, royalty, ownership of software/design/product etc.

#### (D) CONFIDENTIALITY

The AISSMS, COE and the industry agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side.

#### (E) COORDINATORS

Both sides will designate one or two persons who will be responsible for overall coordination and implementation of this agreement.



(F) DURATION OF MOU

This MoU will come in force from the date of signing of the MoU by the representatives of both the parties. It will remain valid for a period of one year, and may be continued after suitable review and mutual agreement. Either party may terminate the MoU by giving written notice to other party three months in advance. Once terminated, neither AISSMS, COE nor ARAKERI ELECTRICAL INDUSTRIES will be responsible for any losses, financial or otherwise, which the other party may suffer.

This MoU is signed on this day of 26/7/21 of + by both the parties, subject to approval of the respective academic/administrative bodies.

On behalf of AISSMS, COE

Signed by:

Dr. D. S. Boramane

PRINCIPAL  
AISSMS COE



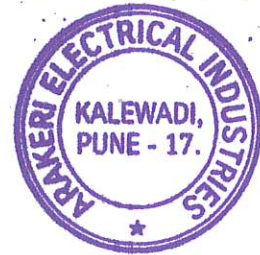
Date:

On behalf of ARAKERI ELECTRICAL INDUSTRIES

Signed by:

Srikant Arakeri

Manager, Arakeri Electrical Industries



Date:



**ARAKERI**  
ELECTRICAL INDUSTRIES  
AN ISO 9001:2008 CERTIFIED

**OFFICE:** Samarth Krupa, Panchnath Chowk,  
Ayodhya Colony, Kokane Nagar, Kalewadi,  
Pimpri Pune: 411017

**WORKS:** S12/2 Bhosari Industrial  
Area MIDC Pune: 411026.  
**Mob:** 9049046565/9049706565/9665965924  
**Email:** arakeri.electrical@gmail.com  
**Website:** www.arakeriindustries.com

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**Manufacturers:** All types of Electrical Transformers ranging from 50VA to 50KVA (HV Tested & Vacuum Impregnated) Auto Transformers, Resin cast Transformers, Step Up/Step down Transformers, Isolation Transformers, & LT Transformers.

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Date: 11/01/2021

TO

Head of Department  
Electrical Engineering  
AISSMS College of Engineering, Pune

**Subject: Completion of your students Project**

This is to inform you that your final year students group has completed their Project work at our facility.

The title of the Project work is '**Monitoring of Distribution Transformer Parameters using GSM**'

The Group comprised of following students:

1. Ankita Kavathekar
2. Neha Kamble
3. Pooja Madke
4. Namrata paradhi

The project was sponsored by us facility wise and Financial wise. Your students were very sincere while doing the project work. Their performance is quite satisfactory. This is one of the activities considered under MoU signed between us.

Hope you are satisfy with the project work done by your student at our company facility.

We are interested in such activity with you in future also.

Thanking your

Yours Sincerely

For ARAKERI ELECTRICAL INDUSTRIES



**PRINCIPAL**  
ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING  
KENNEDY ROAD, PUNE-411 001



# **AISSMS**

## **COLLEGE OF ENGINEERING**

Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra,  
Affiliated to Savitribai Phule Pune University and recognized under 2(f) and 12 (B) by UGC  
(Id.No.PU/PN/Engg./093 (1992), AISHE Code No. C-41227

**Accredited by NAAC with A+ Grade**



**SHRI MALOJIRAJE CHHATRAPATI**  
Honorary Secretary

**Dr. D. S. BORMANE**  
Principal

## **Memorandum of Understanding**

**Between**

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**AND**

**DATSON TECHNOLOGIES, MIDC Bhosari  
Pune**

## PREAMBLE

Whereas, The **AISSMS College of Engineering, Pune** is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various engineering disciplines of Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate engineering courses in Chemical, Civil (Structure), Computer, Electrical (Power Electronics and Drives), Electronics and Telecommunication (Microwave) and Mechanical Engineering (Automotive and Design).

Whereas, **DATSON TECHNOLOGIES Pune** is in the business of Manufacturing and consultancy in design of control panels for food processing industries.

The company provides Industrial services related to Control Panels and Design of Electrical System of various PLC Based projects. Company has supplied control panels to various industries in India.

Whereas both the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions as set forth in this Memorandum of Understanding ( MoU).

### OBJECTIVES OF MOU

1. To promote Industry institute interaction.
2. To provide access to industrial environment for the students and faculty.
3. To promote any other appropriate mode of interaction agreed upon between industry and institute.

Now, therefore this agreement is signed between the parties;

**The AISSMS College of Engineering, 1, Kennedy Road, Pune - 411 001,  
Maharashtra (Hereinafter referred as AISSMS, COE, Pune)**

And

**DATSON TECHNOLOGIES, Bhosari Pune**

Whereas, the following is agreed upon by both the parties

### (A) SCOPE AND TERMS OF INTERACTION



The AISSMS, COE, Pune and VMS Controls, Pune shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

1. DATSON TECHNOLOGIES, Pune shall share their knowledge and expertise by way of joint conferences and seminars/workshops.
2. DATSON TECHNOLOGIES, Pune shall provide practical training to AISSMS, COE students at industry
3. DATSON TECHNOLOGIES, Pune will facilitate periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with professionals.
4. DATSON TECHNOLOGIES, Pune would offer summer/winter internship to interested students of AISSMS, COE at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided by VMS Controls, Pune every year.
5. DATSON TECHNOLOGIES, Pune may showcase its business activities at the seminar or workshop or conference etc at AISSMS, COE.
6. DATSON TECHNOLOGIES, Pune would help the students of AISSMS, COE for project based learning by allowing to carryout UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirements.
7. DATSON TECHNOLOGIES, Pune & AISSMS, COE shall work jointly on certain technical problem faced by VMS Controls, Pune.
8. AISSMS, COE shall nominate one faculty for each project given by VMS Controls, Pune. The faculty shall closely monitor the progress of the project & shall closely monitor the program review meeting at the Industry once a month.

#### **(B) FINANCIAL ARRANGEMENTS**

The collaborative program between AISSMS, COE and VMS Controls, Pune shall be Academic & Industry related with no financial implications.

#### **(C) INTELLECTUAL PROPERTY RIGHTS**

Rights regarding publications, patents, royalty, ownership of software/design/product etc. developed under the scope of this MoU, shall be decided by both the parties by mutual consent, till then no party will have any kind of legal rights whatsoever on the publications, patents, royalty, ownership of software/design/product etc.

**(D) CONFIDENTIALITY**

The AISSMS, COE and the industry agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side.

**(E) COORDINATORS**

Both sides will designate one or two persons who will be responsible for overall coordination and implementation of this agreement.

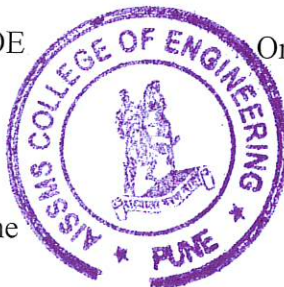
**(F) DURATION OF MOU**

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This MoU is signed on this day of 18/09/2021, by both the parties, subject to approval of the respective academic/administrative bodies.

On behalf of AISSMS, COE  
Pune

Signed by: Dr D.S.Bormane  
Principal  
AISSMS College of Engineering, Pune



Date:

On behalf of DATSON TECHNOLOGIES  
MIDC Bhosari Pune

Signed by: Mr. Srikant  
Proprietor



Date:

**Manufacturers: All types of Electrical / Drives / Automation and Customize Control Systems.**

DATE: 16<sup>th</sup> November 2020

TO

Head  
Electrical engineering Department  
AISSMS College of Engineering, Pune

**Subject: Your Students' Project at our facility**

Regarding your students' project work at our industry, we wish to inform you that following students; group has completed their project, entitled 'Minimizing Penalty for Industries by Engaging APFC Unit ' at our industry under our supervision and the facility provided by us.

The Group comprised of following students:

1. Nishi Choubey
2. Pradnya Ganesh Patil
3. Sohan Kishor Geetanjali
4. Upadhyaya Narkhede

The project was sponsored by us. During the project work your students found to be punctual, sincere and completed the work in time. Their performance is outstanding. This activity was considered by us as a part of the MoU signed between us.

Hope your students' group supervisor is happy about the project work done at our facility, who also visited our facility during the project period.

Further, we are looking for similar activity with you in future also.

Thanking your

Yours



For DATSON TECHNOLOGIES



PRINCIPAL  
ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING  
KENNEDY ROAD, PUNE-411 001

**Memorandum of Understanding**

**Between**

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**AND**

**SARBI PETROLEUM & CHEMICALS PVT. LTD., D-150 TTC Indl  
Area, MIDC, Nerul, Navi Mumbai - 400706**



## PREAMBLE

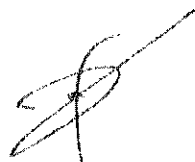
Whereas, The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various engineering disciplines of Chemical, Civil, Computer, Electrical, Electronics & Telecommunication, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate engineering courses in Chemical, Civil (Structure), Computer, Electrical (Power Electronics and Drives), Electronics and Telecommunication (Microwave) and Mechanical Engineering (Automotive and Design).

Whereas, Sarbi Petroleum & Chemicals Pvt. Ltd, was formed in 1976 for manufacturing Aluminum Rolling Oil and Diesel Injector Test Fluid. Subsequently, it has taken up manufacture of various Petroleum Specialties and Lubricant Additives. Some of the products for which the company has carved its niche in the industry are: Aluminum Rolling Oil, Sulphurated Fatty Oils & Esters, Lead Naphthenates for Lubricants, as well as soluble and Neat Cutting oils for which the company formulates and blends its own emulsifiers and additives. Company offers complete solution for your lubrication needs. Entire range of lubricants, additives, specialized products, lubrication system, test equipment & test specimens for the lubrication industry. The automotive product range consists of monograde and multigrade engine oils, brake fluids, 2 stroke engine oils, gear oils, greases & radiator coolants. The industrial grades are metal working oils, rust preventives, hydraulic oils, gear oils and other specialty oils.

Whereas both the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions as set forth in this Memorandum of Understanding (MoU).

## OBJECTIVES OF MOU

1. To promote Industry institute interaction.
2. To provide access to industrial environment for the students and faculty.
3. To promote any other appropriate mode of interaction agreed upon between industry and institute.



Now, therefore this agreement is signed between the parties;

The AISSMS College of Engineering, 1, Kennedy Road, Pune - 411 001, Maharashtra  
(Hereinafter referred as AISSMS, COE)

And

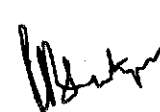
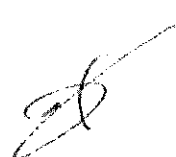
**Sarbi Petroleum & Chemicals Pvt. Ltd.**, D-150 TTC Indl Area, MIDC, Nerul,  
Navi Mumbai - 400706  
(Hereinafter referred as Sarbi group)

Whereas, the following is agreed upon by both the parties

#### (A) SCOPE AND TERMS OF INTERACTION

The AISSMS, COE and Sarbi group shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

1. Sarbi group shall share their knowledge and expertise by way of joint conferences and seminars/workshops.
2. Sarbi group shall provide practical training to AISSMS, COE students at industry
3. Sarbi group may depute its personnel to conduct expert lectures at AISSMS, COE.
4. Sarbi group will facilitate periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with professionals.
5. Sarbi group would offer summer internship to interested students of AISSMS, COE at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided between Sarbi group and AISSMS, COE every year.
6. Sarbi group may showcase its business activities at the seminar or workshop or conference etc at AISSMS, COE.
7. Sarbi group would help the students of AISSMS, COE for project-based learning by allowing to carryout PG/UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirements.
8. Sarbi group & AISSMS, COE shall work jointly on certain technical problem faced by Sarbi group.
9. AISSMS, COE shall nominate one faculty for each project given by Sarbi group. The faculty shall closely monitor the progress of the project.



(B) FINANCIAL ARRANGEMENTS

The collaborative program between AISSMS, COE and Sarbi group shall be Academic & Industry related with no financial implications.

(C) INTELLECTUAL PROPERTY RIGHTS

Rights regarding publications, patents, royalty, ownership of software/design/product etc. developed under the scope of this MoU, shall be decided by both the parties by mutual consent, till then no party will have any kind of legal rights whatsoever on the publications, patents, royalty, ownership of software/design/product etc.

(D) CONFIDENTIALITY

The AISSMS, COE and Sarbi group agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side.


(E) COORDINATORS

Both sides will designate one or two persons who will be responsible for overall coordination and implementation of this agreement.


(F) DURATION OF MOU

This MoU will come in force from the date of signing of the MoU by the representatives of both the parties. It will remain valid for a period of two years, and may be continued after suitable review and mutual agreement. Either party may terminate the MoU by giving written notice to other party three months in advance. Once terminated, neither AISSMS, COE Pune nor Sarbi Petroleum & Chemicals Pvt. Ltd., Mumbai will be responsible for any losses, financial or otherwise, which the other party may suffer.

This MoU is signed on this day of ..... of 23 / 03 / 2022 by both the parties, subject to approval of the respective academic/administrative bodies.

On behalf of AISSMS, COE  
Signed By 

Date: 23/03/2022

On behalf of Sarbi Petroleum &  
Chemicals Pvt. Ltd.  
Signed By 

Date: 23/03/2022

**Memorandum of Understanding**

**Between**

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**AND**

**TKT ENGINEERING CONSULTANT  
PUNE-411019**

## PREAMBLE

Whereas, The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various engineering disciplines of Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate engineering courses in Chemical, Civil (Structure), Computer, Electrical (Power Electronics and Drives), Electronics and Telecommunication (Microwave) and Mechanical Engineering (Automotive and Design).

Whereas, The TKT Engineering Consultant is engaged in a wide range of Engineering Services, Process Design Service and Epc Projects On Turnkey Basis. Design, Manufacture & Sale of various types of Valves, Pressure Reducing & De-superheating Stations & other accessories with its registered office at Highway Tower, Office No 25, 2nd Floor, Old Mumbai - Pune Hwy, Pimpri-Chinchwad, Maharashtra 411019

Whereas both the parties have decided to agree to establish industry academic collaboration to start PROCESS ENGINEERING Course for multidisciplinary branches of Engineering in accordance with terms and conditions as set forth in this Memorandum of Understanding ( MoU).

### OBJECTIVES OF MOU

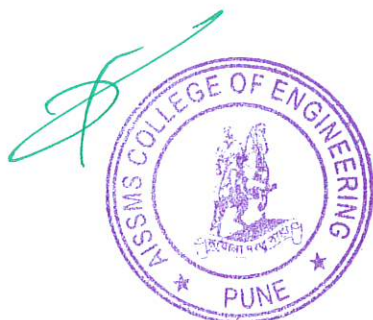
1. To promote Industry institute interaction.
2. To provide access to industrial environment for the students and faculty.
3. To promote any other appropriate mode of interaction agreed upon between industry and institute.

Now, therefore this agreement is signed between the parties;

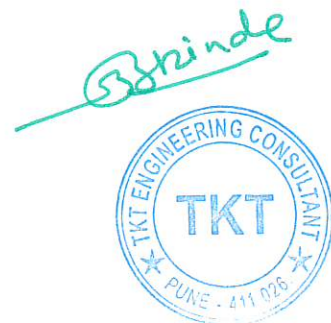
The AISSMS College of Engineering, 1, Kennedy Road, Pune - 411 001, Maharashtra (Hereinafter referred as AISSMS, COE, Pune)

And

The TKT Engineering Consultant, Highway Tower, Office No 25, 2nd Floor, Old Mumbai - Pune Hwy, Pimpri-Chinchwad, Maharashtra 411019



2



Whereas, the following is agreed upon by both the parties

(A) SCOPE AND TERMS OF INTERACTION

The AISSMS, COE, Pune and TKT Engineering Consultant shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

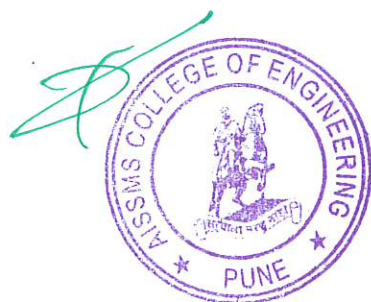
1. TKT Engineering Consultant shall share their knowledge and expertise by way of joint conferences and seminars/workshops.
2. TKT Engineering Consultant shall provide practical training to AISSMS, COE students at industry
3. TKT Engineering Consultant may depute its personnel to conduct expert lectures at AISSMS, COE, Pune.
4. TKT Engineering Consultant will facilitate periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with professionals.
5. TKT Engineering Consultant would offer summer internship to interested students of AISSMS, COE at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided between TKT Engineering Consultant and AISSMS, COE every year.
6. TKT Engineering Consultant may showcase its business activities at the seminar or workshop or conference etc at AISSMS, COE.
7. TKT Engineering Consultant would help the students of AISSMS, COE for project based learning by allowing to carryout PG/UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirements.

(B) FINANCIAL ARRANGEMENTS

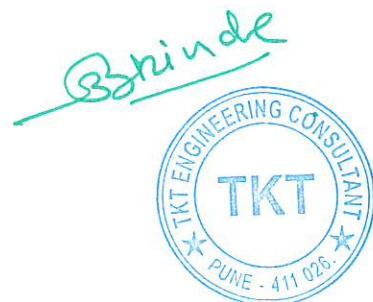
The collaborative program between AISSMS, COE and TKT Engineering Consultant shall be Academic & Industry related with no financial implications.

(C) INTELLECTUAL PROPERTY RIGHTS

Rights regarding publications, patents, royalty, ownership of software/design/product etc. developed under the scope of this MoU, shall be decided by both the parties by mutual consent, till then no party will have any kind of legal rights whatsoever on the publications, patents, royalty, ownership of software/design/product etc.



3



(D) CONFIDENTIALITY

The AISSMS, COE and the TKT Engineering Consultant agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side.

(E) COORDINATORS

Both sides will designate one or one person who will be responsible for overall coordination and implementation of this agreement.

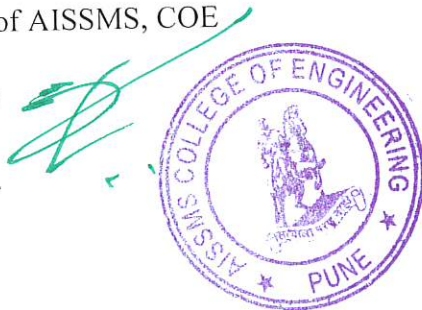
(F) DURATION OF MOU

This MoU will come in force from the date of signing of the MoU by the representatives of both the parties. It will remain valid for a period of one year, and may be continued after suitable review and mutual agreement. Either party may terminate the MoU by giving written notice to other party three months in advance. Once terminated, neither AISSMS, COE nor TKT Engineering Consultant will be responsible for any losses, financial or otherwise, which the other party may suffer.

This MoU is signed on this day of Thursday of 23/12/2021 by both the parties, subject to approval of the respective academic/administrative bodies.

On behalf of AISSMS, COE

Signed by:



Date:

On behalf of TKT Engineering Consultant

Signed by:

Date:



DVW

**Memorandum of Understanding**

**Between**

**All INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**AND**

**AVISHKAR REALTY, PUNE**



## **PREAMBLE**

The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various disciplines of engineering such as Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate courses in Chemical, Structure, Computer, Power Electronics and Drives, Microwave, Automotive and Design.

This agreement is signed between

Whereas, AISSMS College of Engineering, Kennedy road, Pune - 411 001, Maharashtra. (Herein after referred as AISSMSCOE)

Whereas, Industry is engaged in **Real Estate Development** with its registered office at **Nucleus Mall, Office No.T-7, Pune-411001, Sadhu Vaswani Rd, Camp, Pune, Maharashtra 411001.**

Whereas the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions set forth in this memorandum of understanding ( MoU).

## **OBJECTIVES OF MOU**

1. To promote Industry institute interaction.
2. To promote industry driven research and innovation
3. To provide access to industrial environment for the students and faculty.
4. To promote any other appropriate mode of interaction agreed upon between industry and institute.

## **SCOPE AND TERMS OF INTERACTION**

Both AISSMS COE and Industry shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

1. Industry shall share their knowledge and experience by way of joint conferences and seminars/workshops.
2. Industry shall provide practical training to AISSMS COE students at industry
3. Industry may depute its personnel to conduct expert lectures at AISSMS COE
4. Industry will arrange to provide periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with members of industry.
5. Industry would offer summer internship to interested students of AISSMS COE at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided between Industry and AISSMS COE every year.
6. Industry may seek assistance/ guidance of AISSMS COE faculty members in technical problems, trouble shooting etc.
7. Industry may showcase its business activities at the seminar or workshop or conference etc at AISSMS COE.
8. Industry may avail library, internet, and computational facilities at AISSMS COE.
9. Industry would help the students of AISSMS COE for project based learning by allowing to carryout PG/UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirements.

#### **FINANCIAL ARRANGEMENTS**

1. The collaborative program between AISSMS COE and INDUSTRY shall be coordinated by a coordination committee appointed by Directors of both the Institutes.
2. Financial arrangements for each specific collaboration will be decided on a case-to-case basis and brought on record in each case after due approval from heads of both the Institutions.

### **INTELLECTUAL PROPERTY RIGHTS**

Rights regarding publications, patents, royalty, ownership of software/design/product developed etc. under the scope of this MoU, shall be decided by the two parties by mutual consent.

### **CONFIDENTIALITY**

The AISSMS COE and the industry agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side

### **COORDINATORS**

Both sides will designate persons who will have responsibility for coordination and implementation of this agreement.

### **DURATION OF MOU**

This MoU will take effect from the date it is signed by the representatives of the parties. It will remain valid for five years and may be continued there after after suitable review and agreement. Either party may terminate the MoU by giving written notice to other party six months in advance. Once terminated, neither AISSMS COE nor industry will be responsible for any losses, financial or otherwise, which the other party may suffer.

This MoU is signed subjective approval of the respective academic/administrative bodies.

On behalf of AISSMS COE

**Signed by:**

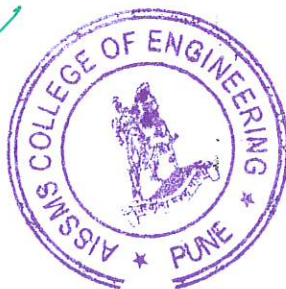
**Dr D V Wadkar**

Date: 21/07/2021

On behalf of Industry

**Signed by: Kavish Thakwani**

Date: 21/07/2021



**Memorandum of Understanding**

**Between**

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**And**

**KUNAL CHAWDA  
CIVIL ENGINEERING CONSULTANT  
PUNE- 411052**

## PREAMBLE

The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various disciplines of engineering such as Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate courses in Chemical, Structure, Computer, Power Electronics and Drives, Microwave, Automotive and Design.

This agreement is signed between

Whereas, 'AISSMS College of Engineering', Kennedy road, Pune - 411 001, Maharashtra. (Herein after referred as AISSMSCOE)

AND

Whereas, 'Kunal Chawda Civil Engineering Consultant' is engaged in Architecture and consultant with its registered office at A5/17, Potnis Parisar, Opposite Grija Shankar vihar, Karve nagar, Pune- 411052, Contact details- 9373311672 (Herein after referred as Industry)

Whereas the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions set forth in this memorandum of understanding ( MoU).

## OBJECTIVES OF MOU

1. To promote Industry institute interaction.
2. To promote industry driven research and innovation
3. To provide access to industrial environment for the students and faculty.
4. To promote any other appropriate mode of interaction agreed upon between industry and institute.

## SCOPE AND TERMS OF INTERACTION

Both AISSMS COE and Industry shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

## PREAMBLE

The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various disciplines of engineering such as Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate courses in Chemical, Structure, Computer, Power Electronics and Drives, Microwave, Automotive and Design.

This agreement is signed between

Whereas, 'AISSMS College of Engineering', Kennedy road, Pune - 411 001, Maharashtra. (Herein after referred as AISSMSCOE)

AND

Whereas, 'Kunal Chawda Civil Engineering Consultant' is engaged in Architecture and consultant with its registered office at A5/17, Potnis Parisar, Opposite Grija Shankar vihar, Karve nagar, Pune- 411052, Contact details- 9373311672 (Herein after referred as Industry)

Whereas the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions set forth in this memorandum of understanding ( MoU).

## OBJECTIVES OF MOU

1. To promote Industry institute interaction.
2. To promote industry driven research and innovation
3. To provide access to industrial environment for the students and faculty.
4. To promote any other appropriate mode of interaction agreed upon between industry and institute.

## SCOPE AND TERMS OF INTERACTION

Both AISSMS COE and Industry shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

1. Industry shall share their knowledge and experience by way of joint conferences and seminars/workshops.
2. Industry shall provide practical training to AISSMS COE students at industry
3. Industry may depute its personnel to conduct expert lectures at AISSMS COE
4. Industry will arrange to provide periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with members of industry.
5. Industry would offer summer internship to interested students of AISSMS COE at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided between Industry and AISSMS COE every year.
6. Industry may seek assistance/ guidance of AISSMS COE faculty members in technical problems, trouble shooting etc.
7. Industry may showcase its business activities at the seminar or workshop or conference etc at AISSMS COE.
8. Industry may avail library, internet, and computational facilities at AISSMS COE.
9. Industry would help the students of AISSMS COE for project based learning by allowing to carryout PG/UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirements.

#### FINANCIAL ARRANGEMENTS

1. The collaborative program between AISSMS COE and INDUSTRY shall be coordinated by a coordination committee appointed by Directors of both the Institutes.
2. Financial arrangements for each specific collaboration will be decided on a case-to-case basis and brought on record in each case after due approval from heads of both the Institutions.

#### INTELLECTUAL PROPERTY RIGHTS

Rights regarding publications, patents, royalty, ownership of software/design/product developed etc. under the scope of this MoU, shall be decided by the two parties by mutual consent.

#### CONFIDENTIALITY

The AISSMS COE and the industry agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side

#### COORDINATORS

Both sides will designate persons who will have responsibility for coordination and implementation of this agreement.

#### DURATION OF MOU

This MoU will take effect from the date it is signed by the representatives of the parties. It will remain valid for five years and may be continued there after after suitable review and agreement. Either party may terminate the MoU by giving written notice to other party six months in advance. Once terminated, neither AISSMS COE nor industry will be responsible for any losses, financial or otherwise, which the other party may suffer.

This MoU is signed subjective approval of the respective academic/administrative bodies.

On behalf of AISSMS COE  
Signed by: Dr. D.S. Bormane



On behalf of Industry  
Signed by: Mr. Kunal Y. Chawda

Date: 01-03-2022

Date: 01-03-2022

  
Dr. A.C. Chikute



1. Industry shall share their knowledge and experience by way of joint conferences and seminars/workshops.
2. Industry shall provide practical training to AISSMS COE students at industry
3. Industry may depute its personnel to conduct expert lectures at AISSMS COE
4. Industry will arrange to provide periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with members of industry.
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2. Financial arrangements for each specific collaboration will be decided on a case-to-case basis and brought on record in each case after due approval from heads of both the Institutions.



# **AISSMS**

## **COLLEGE OF ENGINEERING**

Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra,  
Affiliated to Savitribai Phule Pune University and recognized under 2(f) and 12 (B) by UGC  
(Id.No.PU/PN/Engg./093 (1992), AISHE Code No. C-41227  
Accredited by NAAC with A+ Grade



**SHRI MALOJIRAJE CHHATRAPATI**  
Honorary Secretary

**Dr. D. S. BORMANE**  
Principal

## **Memorandum of Understanding**

**Between**

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**AND**

**Anaka Schalttafel Pvt Ltd, Pune**



## PREAMBLE

Whereas, The **AISSMS College of Engineering, Pune** is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various engineering disciplines of Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate engineering courses in Chemical, Civil (Structure), Computer, Electrical (Power Electronics and Drives), Electronics and Telecommunication (Microwave) and Mechanical Engineering (Automotive and Design).

Whereas, **Anaka Schalttafel Pvt Ltd, Pune**( Leading Electrical Consultant )

Whereas both the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions as set forth in this Memorandum of Understanding ( MoU).

### OBJECTIVES OF MOU

1. To promote Industry institute interaction.
2. To provide access to industrial environment for the students and faculty.
3. To promote any other appropriate mode of interaction agreed upon between industry and institute.

Now, therefore this agreement is signed between the parties;

The AISSMS College of Engineering, 1, Kennedy Road, Pune - 411 001, Maharashtra (Hereinafter referred as AISSMS, COE, Pune)

And

Anaka Schalttafel Pvt Ltd

NDA – Pashan Road, Bavdhan, Maharashtra, India Pune -411 021

Whereas, the following is agreed upon by both the parties

#### **(A) SCOPE AND TERMS OF INTERACTION**

The AISSMS, COE, Pune and ANAKA, Pune shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

1. ANAKA, Pune shall share their knowledge and expertise by way of joint conferences and seminars/workshops.
2. ANAKA, Pune shall provide practical training to AISSMS, COE students at industry
3. ANAKA, Pune may depute its personnel to conduct expert lectures at AISSMS, COE, Pune.
4. ANAKA, Pune will facilitate periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with professionals.
5. ANAKA, Pune would offer summer/winter internship to interested students of AISSMS, COE at its office/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided by ANAKA, Pune every year.
6. ANAKA, Pune would help the students of AISSMS, COE for project based learning by allowing to carryout PG/UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirements.
7. AISSMS, COE shall nominate one faculty for each project given by ANAKA, Pune. The faculty shall closely monitor the progress of the project & shall closely monitor the program review meeting at the Industry once a month.

#### **(B) FINANCIAL ARRANGEMENTS**

The collaborative program between AISSMS, COE and ANAKA, Pune shall be Academic & Industry related with no financial implications.

#### **(C) INTELLECTUAL PROPERTY RIGHTS**

Rights regarding publications, patents, royalty, ownership of software/design/product etc. developed under the scope of this MoU, shall be decided by both the parties by mutual consent, till then no party will have any kind of legal rights whatsoever on the publications, patents, royalty, ownership of software/design/product etc.

#### (D) CONFIDENTIALITY

The AISSMS, COE and the industry agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side.

#### (E) COORDINATORS

Both sides will designate one or two persons who will be responsible for overall coordination and implementation of this agreement.

#### (F) DURATION OF MOU

This MoU will come in force from the date of signing of the MoU by the representatives of both the parties. It will remain valid for a period of two years, and may be continued after suitable review and mutual agreement. Either party may terminate the MoU by giving written notice to other party three months in advance. Once terminated, neither AISSMS, COE nor ANAKA, Pune will be responsible for any losses, financial or otherwise, which the other party may suffer.

This MoU is signed on this day of 28/7/21 by both the parties, subject to approval of the respective academic/administrative bodies.

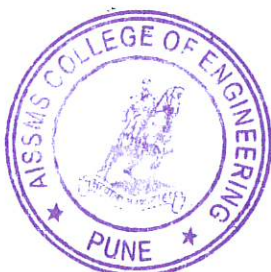
On behalf of AISSMS, COE  
Pune

Signed by:




Dr AA Godbole  
HOD  
Department of Electrical Engineering

Date: 27/7/21



On behalf of Anaka Schalttafel Pvt Ltd ,

Signed by:



Mr Kamlesh Kulkarni,  
(Director)  
Anaka Schalttafel Pvt Ltd, Pune

Date: 28/07/2021.





# **AISSMS**

## **COLLEGE OF ENGINEERING**

Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra,  
Affiliated to Savitribai Phule Pune University and recognized under 2(f) and 12 (B) by UGC  
(Id.No.PU/PN/Engg./093 (1992), AISHE Code No. C-41227  
**Accredited by NAAC with A+ Grade**



**SHRI MALOJIRAJE CHHATRAPATI**  
Honorary Secretary

**Dr. D. S. BORMANE**  
Principal

## **Memorandum of Understanding**

**Between**

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**AND**

**Firenest Reality Consulting Private Limited  
C508, Wisteriaa Fortune, Bhumkar Das Gugre Rd, Bhumkar  
Nagar, Opp-Silver spoon hotel, Pimpri-Chinchwad,  
Maharashtra 411057,**



# AISSMS

## COLLEGE OF ENGINEERING



ज्ञानम् सकलजनहिताय  
Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra.  
Affiliated to Savitribai Phule Pune University and recognized 2(f) and 12(B) by UGC  
(Id.No. PU / PN/ Engg. / 093 (1992)  
(Accredited by NAAC with grade A+)

### PREAMBLE

Whereas, The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various engineering disciplines of Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate engineering courses in Chemical, Civil (Structure), Computer, Electrical (Power Electronics and Drives), Electronics and Telecommunication (Microwave) and Mechanical Engineering (Automotive and Design).

Whereas, Firenest Reality Consulting Private Limited, a company incorporated under Companies Act, 2013, having its registered office at C508, Wisteriaa Fortune, Bhumkar Das Gugre Rd, Bhumkar Nagar, Opp-Silver spoon hotel, Pimpri-Chinchwad, Maharashtra 411057. FIRENEST REALITY CONSULTING PRIVATE LIMITED, represented as the brand "FirebirdVR", is India's leading VR AR companies. FirebirdVR vision is to be World's largest enabler of immersive technology solutions across multiple industries. As part of empowering education, FirebirdVR is developing an immersive learning platform called "GuruVR". FirebirdVR also provides certification to students in Virtual Reality and Augmented Reality subjects, in order to make the students industry ready. FirebirdVR also owns world's largest talent search portal focused in VR AR, called VRARJobs.com. With deep industry connections FirebirdVR is a strong access point to connect with industry leaders with student community, for fostering an inclusive network of professionals.



# AISSMS

## COLLEGE OF ENGINEERING



ज्ञानम् सकलजन्हिताय  
Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra,  
Affiliated to Savitribai Phule Pune University and recognized 2(f) and 12(B) by UGC  
(Id.No. PU / PN/ Engg. / 093 (1992)  
(Accredited by NAAC with grade A+)

Whereas both the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions as set forth in this Memorandum of Understanding ( MoU).

### OBJECTIVES OF MOU

1. To promote Industry institute interaction.
2. To provide access to industrial environment for the students and faculty.
3. To promote any other appropriate mode of interaction agreed upon between industry and institute.
4. To Provide students internships and sponsored projects

Now, therefore this agreement is signed between the parties;

The AISSMS College of Engineering, 1, Kennedy Road, Pune - 411 001, Maharashtra (Hereinafter referred as AISSMS, COE, Pune)

And

The Firenest Reality Consulting Private Limited, C508, Wisteriaa Fortune, Bhumkar Das Gugre Rd, Bhumkar Nagar, Opp-Silver spoon hotel, Pimpri-Chinchwad, Maharashtra 411057

Whereas, the following is agreed upon by both the parties

### (A) SCOPE AND TERMS OF INTERACTION

The AISSMS, COE, Pune and Firenest Reality Consulting Private Limited (here after referred as INDUSTRY) shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements





# AISSMS

## COLLEGE OF ENGINEERING



ज्ञानम् सकलजनहिताय  
Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra,  
Affiliated to Savitribai Phule Pune University and recognized 2(f) and 12(B) by UGC  
(Id.No. PU / PN/ Engg. / 093 (1992)  
(Accredited by NAAC with grade A+)

1. INDUSTRY shall share their knowledge and expertise by way of joint conferences, webinars, and seminars/workshops. AISSMSCoE shall facilitate and promote these workshops or webinars with their students
2. INDUSTRY shall provide practical training to AISSMSCoE students at industry
3. INDUSTRY may depute its personnel to conduct expert lectures at AISSMS, COE, Pune.
4. INDUSTRY will facilitate periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with professionals.
5. INDUSTRY would offer summer internship to interested students of AISSMS, COE at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided between FirebirdVR and AISSMS, COE every year.
6. INDUSTRY may showcase its business activities at the seminar or workshop or conference etc at AISSMS, COE. AISSMSCoE shall facilitate and promote these workshops or webinars with their students.
7. INDUSTRY would help the students of AISSMS, COE for project based learning by allowing to carryout PG/UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirements.
8. INDUSTRY & AISSMS, COE shall work jointly on certain technical problem faced by FirebirdVR.
9. AISSMS, COE shall nominate one faculty for each project given by INDUSTRY. The faculty shall closely monitor the progress of the project & shall closely monitor the program review meeting at the Industry once a month.
10. AISSMCoE shall provide continuous support from time to time to help fulfil objectives of the INDUSTRY, for collaboration in the following areas, including but not limited to
  - a. Conducting VR AR courses of various lengths and various durations and batch strengths.
  - b. Set-up and maintenance of VR AR laboratory and Centre of Excellence by FireBirdVR at the institute.



# AISSMS

## COLLEGE OF ENGINEERING



ज्ञानम् सकलजनहिताय  
Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra,  
Affiliated to Savitribai Phule Pune University and recognized 2(f) and 12(B) by UGC  
(Id.No. PU / PN/ Engg. / 093 (1992)  
(Accredited by NAAC with grade A+)

- c. Conducting specialized trainings for the faculty under Faculty Development Program.
  - d. Promoting events, competitions, announcements related to FirebirdVR with the students at the institute through physical and digital media channels available at AISSMS COE 's disposal
11. Logos of either party may only be used in marketing or other publicity materials related to the objectives of this MoU during the tenure of the MoU subject to explicit written prior permission of the other party. Logos may not be used in any confusing way.

### (B) FINANCIAL ARRANGEMENTS

The collaborative program between AISSMS, COE and Firenest Reality Consulting Private Limited shall be Academic & Industry related with no financial implications. If certain activities involve commercials of any sort, as mutually decided between Industry and AISSMS,COE, shall be documented and approved separately by authorized signatory from both parties and be put on record the scope of delivery by both parties

### (C) INTELLECTUAL PROPERTY RIGHTS

Rights regarding publications, patents, royalty, ownership of software/design/product etc. developed under the scope of this MoU, shall be decided by both the parties by mutual consent, till then no party will have any kind of legal rights whatsoever on the publications, patents, royalty, ownership of software/design/product etc.

### (D) CONFIDENTIALITY

The AISSMS, COE and the Firenest Reality Consulting Private Limited agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side.



# AISSMS

## COLLEGE OF ENGINEERING



ज्ञानम् सकलजन्हिताय  
Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra,  
Affiliated to Savitribai Phule Pune University and recognized 2(f) and 12(B) by UGC  
(Id.No. PU / PN/ Engg. / 093 (1992)  
(Accredited by NAAC with grade A+)

### (E) COORDINATORS

Both sides will designate one or two persons who will be responsible for overall coordination and implementation of this agreement.

### (F) DURATION OF MOU

This MoU will come in force from the date of signing of the MoU by the representatives of both the parties. It will remain valid for a period of Five Year, and may be continued after suitable review and mutual agreement. Either party may terminate the MoU by giving written notice to other party three months in advance. Once terminated, neither AISSMS, COE nor Firenest Reality Consulting Private Limited will be responsible for any losses, financial or otherwise, which the other party may suffer.

This MoU is signed on this day of Tuesday of 16/11/2021 by both the parties, subject to approval of the respective academic/administrative bodies.

Coordinator: Dr.D.G.Bhalke  
Head, E&TC

On behalf of AISSMS, COE

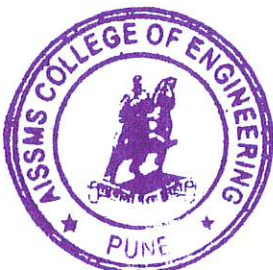
Signed by: Dr.D.S.Bormane  
Principal AISSMS COE

On behalf of Firenest Reality  
Consulting Private Limited

Signed by: Mr.Yogesh Surwase  
Firenest Reality Consulting Private Limited

Date: 16/11/2021

Date:16/11/2021



Firenest Reality Consulting Pvt. Ltd



# AISSMS

## COLLEGE OF ENGINEERING

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Affiliated to Savitribai Phule Pune University and recognized under 2(f) and 12 (B) by UGC  
(Id.No.PU/PN/Engg./093 (1992), AISHE Code No. C-41227  
**Accredited by NAAC with A+ Grade**



**SHRI MALOJIRAJE CHHATRAPATI**  
Honorary Secretary

**Dr. D. S. BORMANE**  
Principal

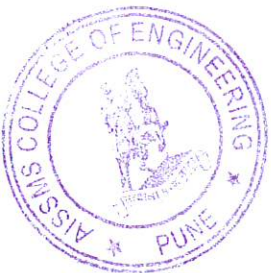
## Memorandum of Understanding

Between

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S COLLEGE  
OF ENGINEERING, PUNE – 411 001**

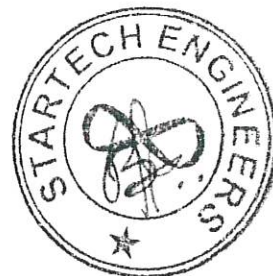
AND

**STARTECH ENGINEERS**



**PRINCIPAL**  
**AISSMS, COE, PUNE-1**

1



1, Kennedy Road, Near R.T.O., Pune 411 001, Maharashtra, India  
Tel : +91 20 2605 8587, 2605 7660, 2605 8342

URL : [www.aiissmscoe.com](http://www.aiissmscoe.com) Email : [contact@aiissmscoe.com](mailto:contact@aiissmscoe.com), [principal@aiissmscoe.com](mailto:principal@aiissmscoe.com)



# AISSMS

## COLLEGE OF ENGINEERING



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Affiliated to Savitribai Phule Pune University and recognized under 2(f) and 12 (B) by UGC  
(Id.No.PU/PN/Engg./093 (1992), AISHE Code No. C-41227  
**Accredited by NAAC with A+ Grade**

**SHRI MALOJIRAJE CHHATRAPATI**  
Honorary Secretary

**Dr. D. S. BORMANE**  
Principal

### PREAMBLE

Whereas, The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various engineering disciplines of Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate engineering courses in Chemical, Civil (Structure), Computer, Electrical (Power Electronics and Drives), Electronics and Telecommunication (Microwave) and Mechanical Engineering (Automotive and Design).

Whereas, The "Startech Engineers" is engaged in Design, Manufacture & Sale (DESIGN, SUPPLY, INSTALLATION, TESTING & COMMISSIONING of FIRE FIGHTING & FIRE DETECTION SYSTEMS.

Whereas both the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions as set forth in this Memorandum of Understanding ( MoU).

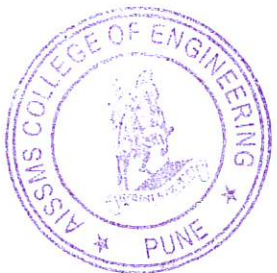
### OBJECTIVES OF MOU

1. To promote Industry institute interaction.
2. To provide access to industrial environment for the students and faculty.
3. To promote any other appropriate mode of interaction agreed upon between industry and institute.

Now, therefore this agreement is signed between the parties;

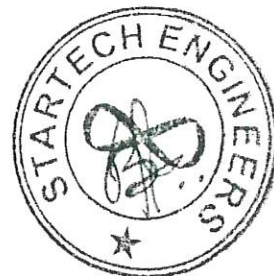
The AISSMS College of Engineering, 1, Kennedy Road, Pune - 411 001, Maharashtra (Hereinafter referred as AISSMS, COE, Pune)

And



**PRINCIPAL**  
**AISSMS, COE, PUNE-1**

2



1, Kennedy Road, Near R.T.O., Pune 411 001, Maharashtra, India  
Tel : +91 20 2605 8587, 2605 7660, 2605 8342

URL : [www.aissmscoe.com](http://www.aissmscoe.com) Email : [contact@aissmscoe.com](mailto:contact@aissmscoe.com), [principal@aissmscoe.com](mailto:principal@aissmscoe.com)



# AISSMS

## COLLEGE OF ENGINEERING



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**SHRI MALOJIRAJE CHHATRAPATI**  
Honorary Secretary

**Dr. D. S. BORMANE**  
Principal

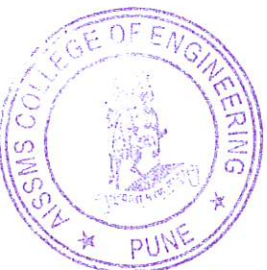
The STARTECH ENGINEERS, G-12 SINHGARJANA SOCIETY, MARATHA COLONY, OFF W.E.EXPRESS HIGHWAY, SANTACRUZ (EAST), MUMBAI H.O : UNIT 1 &2, HINDUSTAN KOHINOOR INDUSTRIAL ESTATE, L.B.S ROAD, VIKHROLI WEST, MUMBAI

Whereas, the following is agreed upon by both the parties

### (A) SCOPE AND TERMS OF INTERACTION

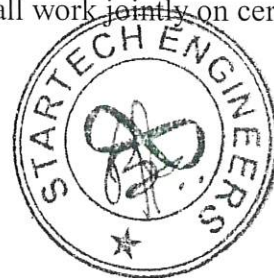
The AISSMS, COE, Pune and IVPL shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

1. The “**Startech Engineers**” shall share their knowledge and expertise by way of joint conferences and seminars/workshops.
2. “**Startech Engineers**” shall provide practical training to AISSMS, COE students at industry
3. “**Startech Engineers**” may depute its personnel to conduct expert lectures at AISSMS, COE, Pune.
4. “**Startech Engineers**” will facilitate periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with professionals.
5. “**Startech Engineers**” would offer summer internship to interested students of AISSMS, COE at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided between IVPL and AISSMS, COE every year.
6. “**Startech Engineers**” may showcase its business activities at the seminar or workshop or conference etc at AISSMS, COE.
7. “**Startech Engineers**” would help the students of AISSMS, COE for project based learning by allowing to carryout PG/UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirements.
8. “**Startech Engineers**” & AISSMS, COE shall work jointly on certain technical



  
**PRINCIPAL**  
**AISSMS, COE, PUNE-I**

3



1, Kennedy Road, Near R.T.O., Pune 411 001, Maharashtra, India  
Tel : +91 20 2605 8587, 2605 7660, 2605 8342

URL : [www.aiissmscoe.com](http://www.aiissmscoe.com) Email : [contact@aiissmscoe.com](mailto:contact@aiissmscoe.com), [principal@aiissmscoe.com](mailto:principal@aiissmscoe.com)



# AISSMS

## COLLEGE OF ENGINEERING



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**Accredited by NAAC with A+ Grade**

**SHRI MALOJIRAJE CHHATRAPATI**  
Honorary Secretary

**Dr. D. S. BORMANE**  
Principal

problem faced by IVPL.

9. **AISSMS, COE** shall nominate one faculty for each project given by “**Startech Engineers**”. The faculty shall closely monitor the progress of the project & shall closely monitor the program review meeting at the Industry once a month.

### (B) FINANCIAL ARRANGEMENTS

The collaborative program between **AISSMS, COE** and “**Startech Engineers**” shall be Academic & Industry related with no financial implications.

### (C) INTELLECTUAL PROPERTY RIGHTS

Rights regarding publications, patents, royalty, ownership of software/design/product etc. developed under the scope of this MoU, shall be decided by both the parties by mutual consent, till then no party will have any kind of legal rights whatsoever on the publications, patents, royalty, ownership of software/design/product etc.

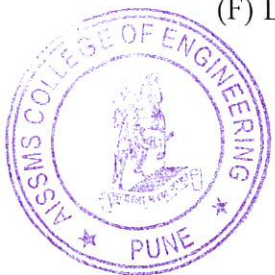
### (D) CONFIDENTIALITY

The **AISSMS, COE** and the “**Startech Engineers**” agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side.

### (E) COORDINATORS

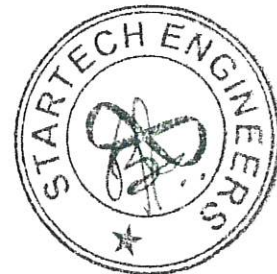
Both sides will designate one or two persons who will be responsible for overall coordination and implementation of this agreement.

### (F) DURATION OF MOU



  
**PRINCIPAL**  
**AISSMS, COE, PUNE-1**

4



1, Kennedy Road, Near R.T.O., Pune 411 001, Maharashtra, India  
Tel : +91 20 2605 8587, 2605 7660, 2605 8342

URL : [www.aissmscoe.com](http://www.aissmscoe.com) Email : [contact@aissmscoe.com](mailto:contact@aissmscoe.com), [principal@aissmscoe.com](mailto:principal@aissmscoe.com)



# AISSMS

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**Accredited by NAAC with A+ Grade**

**SHRI MALOJIRAJE CHHATRAPATI**  
Honorary Secretary

**Dr. D. S. BORMANE**  
Principal

This MoU will come in force from the date of signing of the MoU by the representatives of both the parties. It will remain valid for a period of three year, and may be continued after suitable review and mutual agreement. Either party may terminate the MoU by giving written notice to other party three months in advance. Once terminated, neither **AISSMS, COE** nor "**Startech Engineers**" will be responsible for any losses, financial or otherwise, which the other party may suffer.

This MoU is signed on this day of Wednesday of 13/10/2021, by both the parties, subject to approval of the respective academic/administrative bodies.

Faculty Contact:

Ms. Payal P. Tayade  
Assistant Professor  
E&TC Dept.

Dr. D.G. Bhalke  
Head of Department  
E&TC Dept.

On behalf of AISSMS, COE  
Signed by:

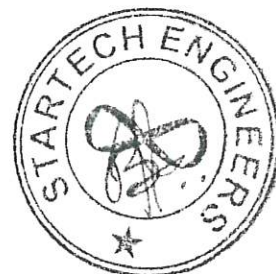
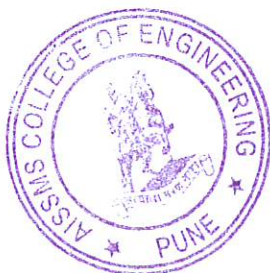
Dr. D. S. Bormane  
Principal  
AISSMS COE Pune.

Date: 13/10/2021

On behalf of STARTECH ENGINEERS  
Signed by:

Mr. Anirudha Belhekar  
Senior Business Executive  
Startech Engineers, Mumbai.

Date: 13/10/2021



5



**PMP APL**

**PMP AUTOMATION PVT. LTD.**

S. No. 50/10/12, Near Abhiruchi Ind. Estate,  
Post - Narhe, Tal. Haveli, Pune - 411041. INDIA  
Tel : +91-020-24391425 / 24394625 / 24391179  
sales@pmpapl.com  
www.pmpapl.com

## **Memorandum of Understanding**

**Between**

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**AND**

**PMP AUTOMATION PVT LTD  
NEAR ABHIRUCHI IND. ESTATE,  
POST - NARHE,  
TAL. HAVELI  
PUNE - 411041  
INDIA**



## PREAMBLE

Whereas, The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various engineering disciplines of Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate engineering courses in Chemical, Civil (Structure), Computer, Electrical (Power Electronics and Drives), Electronics and Telecommunication (Microwave) and Mechanical Engineering (Automotive and Design).

Whereas, The INDUSTRY is engaged in Manufacturing, trading and training of automation products like variable frequency drives, programmable logic controller, servo motors, encoders at Near Abhiruchi Industrial Estate, Post Narhe, Tal. Haveli, Pune 411041, India.

Whereas both the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions as set forth in this Memorandum of Understanding ( MoU).

### OBJECTIVES OF MOU

1. To promote Industry institute interaction.
2. To provide access to industrial environment for the students and faculty.
3. To promote any other appropriate mode of interaction agreed upon between industry and institute.

Now, therefore this agreement is signed between the parties;

The AISSMS College of Engineering, 1, Kennedy Road, Pune - 411 001, Maharashtra  
(Hereinafter referred as AISSMS, COE, Pune)

And

The INDUSTRY, PMP Automation Pvt Ltd., Near Abhiruchi Industrial Estate, Post Narhe, Tal. Haveli, Pune 411041, India.

Whereas, the following is agreed upon by both the parties



#### (A) SCOPE AND TERMS OF INTERACTION

The AISSMS, COE, Pune and IVPL shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

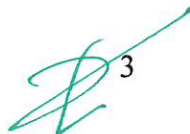
1. INDUSTRY shall share their knowledge and expertise by way of joint conferences and seminars/workshops.
2. INDUSTRY shall provide practical training to AISSMS, COE students at industry
3. INDUSTRY may depute its personnel to conduct expert lectures at AISSMS, COE, Pune.
4. INDUSTRY will facilitate periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with professionals.
5. INDUSTRY would offer summer internship to interested students of AISSMS, COE at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided between IVPL and AISSMS, COE every year.
6. INDUSTRY may showcase its business activities at the seminar or workshop or conference etc at AISSMS, COE.
7. INDUSTRY would help the students of AISSMS, COE for project based learning by allowing to carryout PG/UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirements.
8. INDUSTRY & AISSMS, COE shall work jointly on certain technical problem faced by IVPL.
9. AISSMS, COE shall nominate one faculty for each project given by INDUSTRY. The faculty shall closely monitor the progress of the project & shall closely monitor the program review meeting at the Industry once a month.

#### (B) FINANCIAL ARRANGEMENTS

The collaborative program between AISSMS, COE and INDUSTRY shall be Academic & Industry related with no financial implications.

#### (C) INTELLECTUAL PROPERTY RIGHTS

Rights regarding publications, patents, royalty, ownership of software/design/product etc. developed under the scope of this MoU, shall be decided by both the parties by mutual consent, till then no party will have any kind of legal rights whatsoever on the publications, patents, royalty, ownership of software/design/product etc.



3

(D) CONFIDENTIALITY

The AISSMS, COE and the INDUSTRY agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side.

(E) COORDINATORS

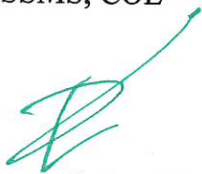
Both sides will designate one or two persons who will be responsible for overall coordination and implementation of this agreement.

(F) DURATION OF MOU

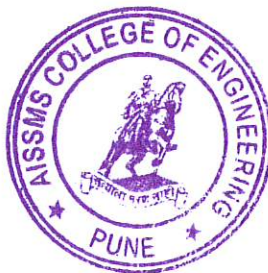
This MoU will come in force from the date of signing of the MoU by the representatives of both the parties. It will remain valid for a period of Three Years, and may be continued after suitable review and mutual agreement. Either party may terminate the MoU by giving written notice to other party three months in advance. Once terminated, neither AISSMS, COE nor INDUSTRY will be responsible for any losses, financial or otherwise, which the other party may suffer.

This MoU is signed on this day of Tuesday of 29/06/2021, by both the parties, subject to approval of the respective academic/administrative bodies.

On behalf of AISSMS, COE  
Signed by:



Date: 29/06/2021  
**PRINCIPAL**  
**AISSMS, COE, PUNE-1**



On behalf of INDUSTRY  
Signed by:

**For PHP AUTOMATION PVT. LTD.**  
*SS Paranjape*  
**Director**

Date: 10/7/21



# **AISSMS**

## **COLLEGE OF ENGINEERING**

Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra,  
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(Id.No.PU/PN/Engg./093 (1992), AISHE Code No. C-41227  
**Accredited by NAAC with A+ Grade**



**SHRI MALOJIRAJE CHHATRAPATI**  
Honorary Secretary

**Dr. D. S. BORMANE**  
Principal

## **Memorandum of Understanding**

**Between**

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**AND**

**Wish Energy Solutions Pvt Ltd, Pune**

## PREAMBLE

Whereas, The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various engineering disciplines of Chemical, Civil, Computer, Electrical, Electronics & Telecommunication, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate engineering courses in Chemical, Civil (Structure), Computer, Electrical (Power Electronics and Drives), Electronics and Telecommunication (Microwave) and Mechanical Engineering (Automotive and Design).

Whereas, The Wish Energy Solutions Pvt Ltd, Pune in undertakes turnkey job in Wind Solar Hybrid projects. It also has small wind turbines manufacturing facility in Pune at Gat. 2328, Chokhi Dhani Rd, off, Nagar Rd, Khandve Nagar, Wagholi, Pune, Maharashtra 412207. WISH Energy exports its small wind turbines to almost 40 countries in the world.

Whereas both the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions as set forth in this Memorandum of Understanding ( MoU).

## OBJECTIVES OF MOU

1. To promote Industry institute interaction.
2. To provide access to industrial environment for the students and faculty.
3. To promote any other appropriate mode of interaction agreed upon between Wish Energy Solutions Pvt Ltd, Pune and institute.

Now, therefore this agreement is signed between the parties;

The AISSMS College of Engineering, 1, Kennedy Road, Pune - 411 001, Maharashtra  
(Hereinafter referred as AISSMS, COE, Pune)

And

Wish Energy Solutions Pvt Ltd, Pune, Gat. 2328, Chokhi Dhani Rd, off, Nagar Rd, Khandve  
Nagar, Wagholi, Pune, Maharashtra 412207, Maharashtra

Whereas, the following is agreed upon by both the parties

(A) SCOPE AND TERMS OF INTERACTION

The AISSMS, COE, Pune and IVPL shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

1. Wish Energy Solutions Pvt Ltd, Pune shall share their knowledge and expertise by way of joint conferences and seminars/workshops.
2. Wish Energy Solutions Pvt Ltd, Pune shall provide practical training to AISSMS, COE students at industry
3. Wish Energy Solutions Pvt Ltd, Pune may depute its personnel to conduct expert lectures at AISSMS, COE, Pune.
4. Wish Energy Solutions Pvt Ltd, Pune will facilitate periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with professionals.
5. Wish Energy Solutions Pvt Ltd, Pune would offer summer internship to interested students of AISSMS, COE at its factory/ project locations so that students get hands on experience of live and Demo projects. The number of students who can be considered for the internship would be as mutually decided between Sofcon and AISSMS, COE every year.
6. Wish Energy Solutions Pvt Ltd, Pune may showcase its business activities at the seminar or workshop or conference etc at AISSMS, COE.
7. Wish Energy Solutions Pvt Ltd, Pune would help the students of AISSMS, COE for project based learning by allowing to carryout PG/UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirements.

8. Wish Energy Solutions Pvt Ltd, Pune & AISSMS, COE shall work jointly on certain technical problem faced Wish Energy Solutions Pvt Ltd, Pune and College.
9. AISSMS, COE shall nominate one faculty for each project given by Wish Energy Solutions Pvt Ltd, Pune. The faculty shall closely monitor the progress of the project & shall closely monitor the program review meeting at the Industry once a month.

#### (B) FINANCIAL ARRANGEMENTS

The collaborative program between AISSMS, COE and Wish Energy Solutions Pvt Ltd, Pune shall be Academic & Industry related commercial with mutual discussion over registered Email IDs .

#### (C) INTELLECTUAL PROPERTY RIGHTS

Rights regarding publications, patents, royalty, ownership of software/design/product etc. developed under the scope of this MoU, shall be decided by both the parties by mutual consent, till then no party will have any kind of legal rights whatsoever on the publications, patents, royalty, ownership of software/design/product etc.

#### (D) CONFIDENTIALITY

The AISSMS, COE and the Wish Energy Solutions Pvt Ltd, Pune agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side.

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Both sides will designate one or two persons who will be responsible for overall coordination and implementation of this agreement.



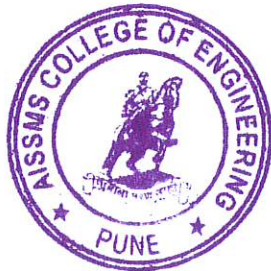
(F) DURATION OF MOU

This MoU will come in force from the date of signing of the MoU by the representatives of both the parties. It will remain valid for a period of **five years**, and may be continued after suitable review and mutual agreement. Either party may terminate the MoU by Giving written notice to other party three months in advance. Once terminated, neither AISSMS, COE nor Wish Energy Solutions Pvt Ltd, Pune will be responsible for any losses, financial or otherwise, which the other party may suffer.

This MoU is signed on this day of 22<sup>nd</sup> of March 2022, by both the parties, subject to approval of the respective academic/administrative bodies.

Mr. Santosh B Dhekale  
Coordinated By

Dr. D. S. Bormane  
Principal,  
On behalf of AISSMS, COE  
Pune  
Signed by:



Mr. Amol Shende  
COO  
On behalf of Wish Energy Solutions Pvt Ltd.  
Pune  
Signed by:

**Memorandum of Understanding**

**Between**

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**AND**

**Sofcon India Pvt. Ltd. Pune-411005**



# AISSMS

## COLLEGE OF ENGINEERING



Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra,  
Affiliated to Savitribai Phule Pune University and recognized under 2(f) and 12 (B) by UGC  
(Id.No.PU/PN/Engg./093 (1992), AISHE Code No. C-41227  
**Accredited by NAAC with A+ Grade**

**SHRI MALOJIRAJE CHHATRAPATI**  
Honorary Secretary

**Dr. D. S. BORMANE**  
Principal

### PREAMBLE

Whereas, The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various engineering disciplines of Chemical, Civil, Computer, Electrical, Electronics & Telecommunication, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate engineering courses in Chemical, Civil (Structure), Computer, Electrical (Power Electronics and Drives), Electronics and Telecommunication (Microwave) and Mechanical Engineering (Automotive and Design).

Whereas, The Sofcon India Pvt. Ltd. Pune-411005 is engaged in Webinars, Seminars, Workshops, various Technical Trainings, Placement Modules, Internship Modules, Career guidance to the students and Placement support with its registered office at 61/B, Shree Chambers, Ground Floor, Wakdewadi, Shivaji Nagar Pune- 411005

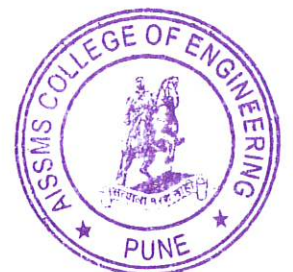
Whereas both the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions as set forth in this Memorandum of Understanding ( MoU).

### OBJECTIVES OF MOU

1. To promote Industry institute interaction.
2. To provide access to industrial environment for the students and faculty.
3. To promote any other appropriate mode of interaction agreed upon between Sofcon India Pvt. Ltd and institute.

Now, therefore this agreement is signed between the parties;

2



Kennedy Road, Near R.T.O., Pune 411 001, Maharashtra, India  
Tel : +91 20 2605 8587, 2605 7660, 2605 8342

URL : [www.aiissmscoe.com](http://www.aiissmscoe.com) Email : [contact@aiissmscoe.com](mailto:contact@aiissmscoe.com), [principal@aiissmscoe.com](mailto:principal@aiissmscoe.com)



# AISSMS

## COLLEGE OF ENGINEERING



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**SHRI MALOJIRAJE CHHATRAPATI**  
Honorary Secretary

**Dr. D. S. BORMANE**  
Principal

The AISSMS College of Engineering, 1, Kennedy Road, Pune - 411 001, Maharashtra  
(Hereinafter referred as AISSMS, COE, Pune)

And

The Sofcon India Pvt. Ltd. Pune, 61/B, Shree Chambers, Groud Floor, Wakdewadi,  
Shivaji Nagar Pune- 411005, Maharashtra (Hereinafter referred as Sofcon, Pune)

Whereas, the following is agreed upon by both the parties

### (A) SCOPE AND TERMS OF INTERACTION

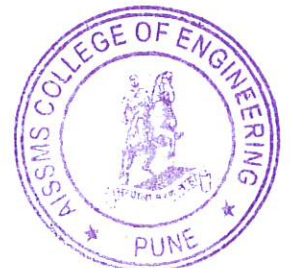
The AISSMS, COE, Pune and IVPL shall encourage interaction between the engineers,  
research fellows, faculty members and students through following arrangements

1. Sofcon India Pvt. Ltd. Pune shall share their knowledge and expertise by way of joint conferences and seminars/workshops.
2. Sofcon India Pvt. Ltd. Pune shall provide practical training to AISSMS, COE students at industry
3. Sofcon India Pvt. Ltd. Pune may depute its personnel to conduct expert lectures at AISSMS, COE, Pune.
4. Sofcon India Pvt. Ltd. Pune will facilitate periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with professionals.
5. Sofcon India Pvt. Ltd. Pune would offer summer internship to interested students of AISSMS, COE at its factory/ project locations so that students get hands on experience of live and Demo projects. The number of students who can be considered for the internship would be as mutually decided between Sofcon and AISSMS, COE every year.
6. Sofcon India Pvt. Ltd. Pune may showcase its business activities at the seminar or workshop or conference etc at AISSMS, COE.
7. Sofcon India Pvt. Ltd. Pune would help the students of AISSMS, COE for project based learning by allowing to carryout PG/UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirements.

*Abhijit*

3

*[Handwritten signature]*



Kennedy Road, Near R.T.O., Pune 411 001, Maharashtra, India  
Tel : +91 20 2605 8587, 2605 7660, 2605 8342

URL : [www.aissmscoe.com](http://www.aissmscoe.com) Email : [contact@aissmscoe.com](mailto:contact@aissmscoe.com), [principal@aissmscoe.com](mailto:principal@aissmscoe.com)



# AISSMS

## COLLEGE OF ENGINEERING



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**SHRI MALOJIRAJE CHHATRAPATI**  
Honorary Secretary

**Dr. D. S. BORMANE**  
Principal

8. Sofcon India Pvt. Ltd. Pune & AISSMS, COE shall work jointly on certain technical problem faced by Sofcon and College.
9. AISSMS, COE shall nominate one faculty for each project given by Sofcon . The faculty shall closely monitor the progress of the project & shall closely monitor the program review meeting at the Industry once a month.

### (B) FINANCIAL ARRANGEMENTS

The collaborative program between AISSMS, COE and Sofcon India Pvt. Ltd. Pune shall be Academic & Industry related commercial with mutual discussion over registered Email IDs .

### (C) INTELLECTUAL PROPERTY RIGHTS

Rights regarding publications, patents, royalty, ownership of software/design/product etc. developed under the scope of this MoU, shall be decided by both the parties by mutual consent, till then no party will have any kind of legal rights whatsoever on the publications, patents, royalty, ownership of software/design/product etc.

### (D) CONFIDENTIALITY

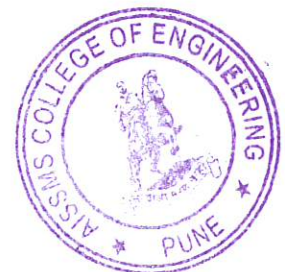
The AISSMS, COE and the Sofcon India Pvt. Ltd. Pune agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side.

### (E) COORDINATORS

Both sides will designate one or two persons who will be responsible for overall coordination and implementation of this agreement.

### (F) DURATION OF MOU

4



Kennedy Road, Near R.T.O., Pune 411 001, Maharashtra, India  
Tel : +91 20 2605 8587, 2605 7660, 2605 8342

URL : [www.aissmscoe.com](http://www.aissmscoe.com) Email : [contact@aissmscoe.com](mailto:contact@aissmscoe.com), [principal@aissmscoe.com](mailto:principal@aissmscoe.com)



# AISSMS

## COLLEGE OF ENGINEERING



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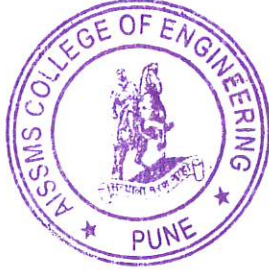
**SHRI MALOJIRAJE CHHATRAPATI**  
Honorary Secretary

**Dr. D. S. BORMANE**  
Principal

This MoU will come in force from the date of signing of the MoU by the representatives of both the parties. It will remain valid for a period of **five years**, and may be continued after suitable review and mutual agreement. Either party may terminate the MoU by giving written notice to other party three months in advance. Once terminated, neither AISSMS, COE nor Sofcon India Pvt. Ltd. Pune will be responsible for any losses, financial or otherwise, which the other party may suffer.

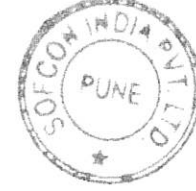
This MoU is signed on this day of 27th of Sept. 2021, by both the parties, subject to approval of the respective academic/administrative bodies.

Dr. D. S. Bormane  
Principal,  
On behalf of AISSMS, COE  
Pune  
Signed by:



**PRINCIPAL**  
**AISSMS, COE, PUNE-1**

Mr. Nikhil Giri  
Branch Manager  
On behalf of Sofcon India Pvt. Ltd.  
Pune  
Signed by:



Witness:

1. Mr. Nitin P Mawale

2. Mr. Santosh B Dhekale

1. Mr. Shubham Sharma  
(Sr Automation Engineer)

**Memorandum of Understanding**

**Between**

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**AND**

**PRANITA ENGINEERING WORKS, PUNE-411026**

## PREAMBLE

Whereas, The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various engineering disciplines of Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate engineering courses in Chemical (Chemical Engineering), Civil (Structure), Computer (AI and Data Science), Electrical (Power Electronics and Drives), Electronics and Telecommunication (IoT & Sensors) and Mechanical Engineering (Automotive and Design).

Whereas, The Pranita Engineering Works (PEW) is engaged in Design, Manufacture & Sale of various types of welding equipment's, machining works and allied tools with its registered office at Plot No- 247, Sector-7 PCNTDA, Bhosari, Pune -411026.

Whereas both the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions as set forth in this Memorandum of Understanding ( MoU).

### OBJECTIVES OF MOU

1. To promote Industry institute interaction.
2. To provide access to industrial environment for the students and faculty.
3. To promote any other appropriate mode of interaction agreed upon between industry and institute.

Now, therefore this agreement is signed between the parties;

The AISSMS College of Engineering, 1, Kennedy Road, Pune - 411 001, Maharashtra (Hereinafter referred as AISSMS, COE, Pune)

And

The Pranita Engineering Works (PEW), Plot No- 247, Sector-7 PCNTDA, Bhosari, Pune -411026. (Hereinafter referred as PEW, Pune)





Whereas, the following is agreed upon by both the parties

(A) SCOPE AND TERMS OF INTERACTION

The AISSMS, COE, Pune and PEW, shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

1. PEW shall share their knowledge and expertise by way of joint conferences and seminars/workshops.
2. PEW shall provide practical training to AISSMS, COE students at industry
3. PEW may depute its personnel to conduct expert lectures at AISSMS, COE, Pune.
4. PEW will facilitate periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with professionals.
5. PEW would offer summer internship to interested students of AISSMS, COE at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided between PEW and AISSMS, COE every year.
6. PEW may showcase its business activities at the seminar or workshop or conference etc at AISSMS, COE.
7. PEW would help the students of AISSMS, COE for project based learning by allowing to carryout PG/UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirements.
8. PEW & AISSMS, COE shall work jointly on certain technical problem faced by PEW.
9. AISSMS, COE shall nominate one faculty for each project given by PEW. The faculty shall closely monitor the progress of the project & shall closely monitor the program review meeting at the Industry once a month.

(B) FINANCIAL ARRANGEMENTS

The collaborative program between AISSMS, COE and PEW shall be Academic & Industry related with no financial implications.

(C) INTELLECTUAL PROPERTY RIGHTS

Rights regarding publications, patents, royalty, ownership of software/design/product etc. developed under the scope of this MoU, shall be decided by both the parties by mutual consent, till then no party will have any kind of legal rights whatsoever on the publications, patents, royalty, ownership of software/design/product etc.

(D) CONFIDENTIALITY

The AISSMS, COE and the PEW agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side.


(E) COORDINATORS

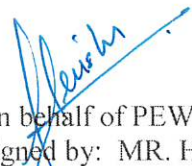
Both sides will designate one or two persons who will be responsible for overall coordination and implementation of this agreement.

(F) DURATION OF MOU

This MoU will come in force from the date of signing of the MoU by the representatives of both the parties. It will remain valid for a period of one year, and may be continued after suitable review and mutual agreement. Either party may terminate the MoU by giving written notice to other party three months in advance. Once terminated, neither AISSMS, COE nor PEW will be responsible for any losses, financial or otherwise, which the other party may suffer.

This MoU is signed on this day of Tuesday of 08/03/2022, by both the parties, subject to approval of the respective academic/administrative bodies.

  
On behalf of AISSMS, COE  
Signed by: Dr. D. S. Bormane

  
On behalf of PEW  
Signed by: MR. Hrushikesh Banger

Date:

Date:

In presence of following Members

Mr. M. S. Swami  
Dr. B. D. Bachechhav  
Dr. M. R. Phate




**Memorandum of Understanding**

**Between**

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**AND**

**SSIG MANUFACTURING ADVANCEMENTS Pvt. Ltd.  
BANER, PUNE – 411 035**

## PREAMBLE

Whereas, The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various engineering disciplines of Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate engineering courses in Chemical, Civil (Structure), Computer, Electrical (Power Electronics and Drives), Electronics and Telecommunication (IoT and sensors) and Mechanical Engineering (Automotive and Design) and also PhD research Centre for Chemical, Mechanical and Computer Engineering.

Whereas, The SSIG Manufacturing Advancements Pvt. Ltd. engaged in the areas of Robotics, Mechatronics, PLC and Computer Aided Manufacturing with its registered office at Baner, Pune.

Whereas both the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions as set forth in this Memorandum of Understanding ( MoU).

### OBJECTIVES OF MOU

1. To promote Industry institute interaction.
2. To provide access to industrial environment for the students and faculty.
3. To promote any other appropriate mode of interaction agreed upon between industry and institute.

Now, therefore this agreement is signed between the parties;

The AISSMS College of Engineering, 1, Kennedy Road, Pune - 411 001, Maharashtra (Hereinafter referred as AISSMS, COE)

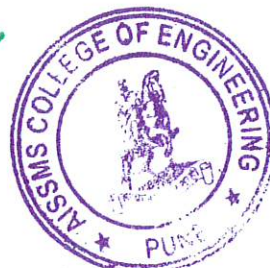
And

SSIG Manufacturing Advancements Pvt. Ltd. Office no 406, 4<sup>th</sup> floor, Deron Heights, Opp. Hotel Mahabaleshwar, Baner Pune – 411035, Maharashtra (Herein after referred as SSIGMA)

Whereas, the following is agreed upon by both the parties



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#### (A) SCOPE AND TERMS OF INTERACTION

The AISSMS, COE, Pune and SSIGMA shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

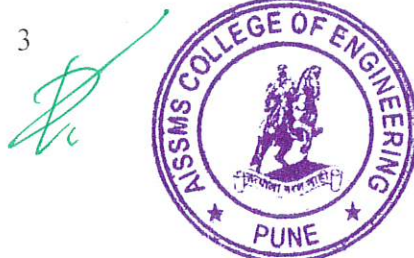
1. SSIGMA shall share their knowledge and expertise by way of joint conferences and seminars/workshops.
2. SSIGMA shall provide practical training to AISSMS, COE students at industry
3. SSIGMA may depute its personnel to conduct expert lectures at AISSMS, COE, Pune.
4. SSIGMA will facilitate periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with professionals.
5. SSIGMA would offer summer internship to interested students of AISSMS, COE at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided between SSIGMA and AISSMS, COE every year.
6. SSIGMA may showcase its business activities at the seminar or workshop or conference etc at AISSMS, COE.
7. SSIGMA Would help the students of AISSMS, COE for project based learning by allowing to carryout PG/UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirements.
8. SSIGMA would offer Internship / Training / Company visit for interested existing students of AISSMS College of Engineering Pune.
9. Knowledge transfer personnel on new technologies through continuing Education programs to be calculated at AISSMS College of Engineering, Pune or at SSIGMA facility in Baner, Pune areas of mutual interest of both the parties.
10. SSIGMA & AISSMS, COE shall work jointly on certain technical problem faced by SSIGMA.
11. AISSMS, COE shall nominate one faculty for each project given by SSIGMA The faculty shall closely monitor the progress of the project & shall closely monitor the program review meeting at the Industry once a month.

#### (B) FINANCIAL ARRANGEMENTS

The collaborative program between AISSMS, COE and SSIGMA shall be Academic & Industry related with no financial implications.



3



(C) INTELLECTUAL PROPERTY RIGHTS

Rights regarding publications, patents, royalty, ownership of software/design/product etc. developed under the scope of this MoU, shall be decided by both the parties by mutual consent, till then no party will have any kind of legal rights whatsoever on the publications, patents, royalty, ownership of software/design/product etc.

(D) CONFIDENTIALITY

The AISSMS, COE and the SSIGMA agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side.

(E) COORDINATORS

Both sides will designate one or two persons who will be responsible for overall coordination and implementation of this agreement.

(F) DURATION OF MOU


This MoU will come in force from the date of signing of the MoU by the representatives of both the parties. It will remain valid for a period of three years, and may be continued after suitable review and mutual agreement. Either party may terminate the MoU by giving written notice to other party three months in advance. Once terminated, neither AISSMS, COE nor SSIGMA will be responsible for any losses, financial or otherwise, which the other party may suffer.

This MoU is signed on this day of Tuesday of 26/04 /2022, by both the parties, subject to approval of the respective academic/administrative bodies.

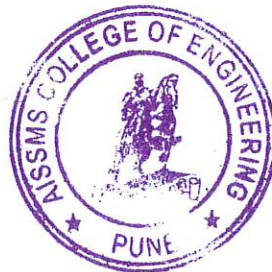
On behalf of AISSMS, COE  
Signed by: 


Date:

Witness:

1. Dr B D Bachchhav 



2. Dr S V Chaitanya 



On behalf of. SSIGMA  
Signed by: 

Date: 27/4/2022



1. Mr. Om Raut   
2. Mr. Aditya Hajare 

**Memorandum of Understanding**

**Between**

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**AND**

**SETCO SPINDLES INDIA (Pvt.) Ltd., PUNE**

## PREAMBLE

Whereas, The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various engineering disciplines of Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate engineering courses in Chemical, Civil (Structure), Computer, Electrical (Power Electronics and Drives), Electronics and Telecommunication (IoT and sensors) and Mechanical Engineering (Automotive and Design) and also PhD research Centre for Chemical, Mechanical and Computer Engineering.

Whereas, The SETCO SPINDLES INDIA (Pvt.) Ltd.

is engaged in Design, Manufacture & Sale of various types of spindles & other accessories with its registered office at Sr. No. 14, Shed No. 2, Dhadage Industrial Estate, Sinhgad Road, Nanded Village, Pune -411041.

Whereas both the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions as set forth in this Memorandum of Understanding ( MoU).

### OBJECTIVES OF MOU

1. To promote Industry institute interaction.
2. To provide access to industrial environment for the students and faculty.
3. To promote any other appropriate mode of interaction agreed upon between industry and institute.

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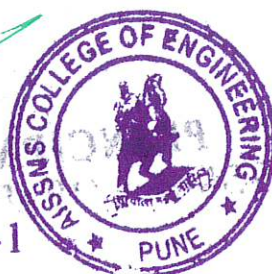
And

The SETCO SPINDLES INDIA Pvt. Ltd., Sr. No. 14, Shed No. 2, Dhadage Industrial Estate, Sinhgad Road, Nanded Village, Pune -411041. (Herein after referred as Setco Spindles India (Pvt.) Ltd.,

Whereas, the following is agreed upon by both the parties

2

**PRINCIPAL**  
**AISSMS, COE, PUNE-1**





#### (A) SCOPE AND TERMS OF INTERACTION

The AISSMS, COE, Pune and Setco Spindles India (Pvt.) Ltd. shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

1. Setco Spindles India (Pvt.) Ltd. shall share their knowledge and expertise by way of joint conferences and seminars/workshops.
2. Setco Spindles India (Pvt.) Ltd. shall provide practical training to AISSMS, COE students at industry
3. Setco Spindles India (Pvt.) Ltd. may depute its personnel to conduct expert lectures at AISSMS, COE, Pune.
4. Setco Spindles India (Pvt.) Ltd. will facilitate periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with professionals.
5. Setco Spindles India (Pvt.) Ltd. would offer summer internship to interested students of AISSMS, COE at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided between Setco Spindles India (Pvt.) Ltd. and AISSMS, COE every year.
6. Setco Spindles India (Pvt.) Ltd. may showcase its business activities at the seminar or workshop or conference etc at AISSMS, COE.
7. Setco Spindles India (Pvt.) Ltd. would help the students of AISSMS, COE for project based learning by allowing to carryout PG/UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirements.
8. Setco Spindles India (Pvt.) Ltd. & AISSMS, COE shall work jointly on certain technical problem faced by Setco Spindles India (Pvt.) Ltd.
9. AISSMS, COE shall nominate one faculty for each project given by Setco Spindles India (Pvt.) Ltd. The faculty shall closely monitor the progress of the project & shall closely monitor the program review meeting at the Industry once a month.

#### (B) FINANCIAL ARRANGEMENTS

The collaborative program between AISSMS, COE and SETCO SPINDLES INDIA (Pvt.) Ltd. shall be Academic & Industry related with no financial implications.

  
**PRINCIPAL**  
AISSMS, COE PUNE  


(C) INTELLECTUAL PROPERTY RIGHTS

Rights regarding publications, patents, royalty, ownership of software/design/product etc. developed under the scope of this MoU, shall be decided by both the parties by mutual consent, till then no party will have any kind of legal rights whatsoever on the publications, patents, royalty, ownership of software/design/product etc.

(D) CONFIDENTIALITY

The AISSMS, COE and the **SETCO SPINDLES INDIA (Pvt.) Ltd.** agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side.

(E) COORDINATORS

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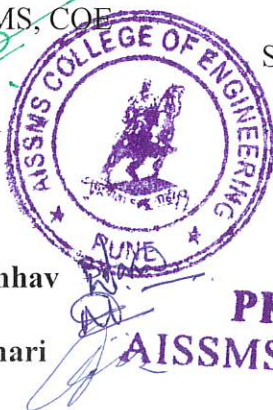
This MoU is signed on this day of **Friday** of **18/02/2022**, by both the parties, subject to approval of the respective academic/administrative bodies.

On behalf of AISSMS, COE  
Signed by:

Date: 18/2/22

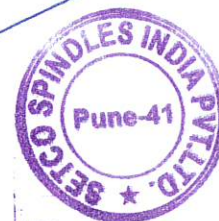
Witness:

1. Dr. B. D. Bachchhav
2. Dr. P. S. Gajjal
3. Dr C. S. Choudhari
- 4.



On behalf of. SETCO SPINDLES INDIA (Pvt ) Ltd.  
Signed by:

Date: 18/2/22





# **AISSMS**

## **COLLEGE OF ENGINEERING**



Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra,  
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**SHRI MALOJIRAJE CHHATRAPATI**  
Honorary Secretary

**Dr. D. S. BORMANE**  
Principal

Date: 22/02/2022

### **Memorandum of Understanding**

**Between**

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**AND**

**ELON POWER PVT. LTD  
UNIT 1, WADEKAR INDUSTRIAL ESTATE, NARHE,  
PUNE - 411041**

Page 1 of 5

## **PREAMBLE**

The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various disciplines of engineering such as Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate courses in Chemical, Structure, Computer, Power Electronics and Drives, Microwave, Automotive and Design.

This agreement is signed between

Whereas, AISSMS College of Engineering, Kennedy road, Pune - 411 001, Maharashtra. (Herein after referred as AISSMSCOE)

Whereas, ELON POWER PVT. LTD. is engaged in manufacturing of Electronic Equipment's with its registered office at Unit 1, Wadekar Industrial Estate, Narhe, Pune - 411041

Whereas the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions set forth in this memorandum of understanding (MoU).

## **OBJECTIVES OF MOU**

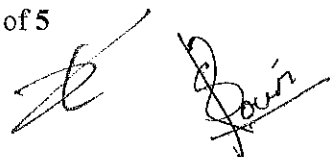
1. To promote Industry institute interaction.
2. To promote industry driven research and innovation
3. To provide access to industrial environment for the students and faculty.
4. To promote any other appropriate mode of interaction agreed upon between industry and institute.



### SCOPE AND TERMS OF INTERACTION

Both AISSMS COE and Industry shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

1. ELON POWER shall share their knowledge and experience by way of joint conferences and seminars/workshops.
2. ELON POWER shall provide practical training to AISSMS COE students at industry
3. ELON POWER may depute its personnel to conduct expert lectures at AISSMS COE
4. ELON POWER will arrange to provide periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with members of industry.
5. ELON POWER would offer summer internship to interested students of AISSMS COE at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided between Industry and AISSMS COE every year.
6. ELON POWER may seek assistance/ guidance of AISSMS COE faculty members in technical problems, trouble shooting etc.
7. ELON POWER may showcase its business activities at the seminar or workshop or conference etc at AISSMS COE.
8. ELON POWER may avail library, internet, and computational facilities at AISSMS COE.
9. ELON POWER would help the students of AISSMS COE for project-based learning by allowing to carryout PG/UG projects depending upon the nature



of work as per rules of the respective institutes depending on facilities and requirements.

#### **FINANCIAL ARRANGEMENTS**

1. The collaborative program between AISSMS COE and INDUSTRY shall be coordinated by a coordination committee appointed by Directors of both the Institutes.
2. Financial arrangements for each specific collaboration will be decided on a case-to-case basis and brought on record in each case after due approval from heads of both the Institutions.

#### **INTELLECTUAL PROPERTY RIGHTS**

Rights regarding publications, patents, royalty, ownership of software/design/product developed etc. under the scope of this MoU, shall be decided by the two parties by mutual consent.

#### **CONFIDENTIALITY**

The AISSMS COE and the industry agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side

#### **COORDINATORS**

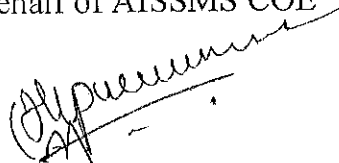
Both sides will designate persons who will have responsibility for coordination and implementation of this agreement.

#### **DURATION OF MOU**

This MoU will take effect from the date it is signed by the representatives of the parties. It will remain valid for five years and may be continued there after after suitable review and agreement. Either party may terminate the MoU by giving written notice to other party six months in advance. Once terminated, neither AISSMS COE nor industry will be responsible for any losses, financial or otherwise, which the other party may suffer.

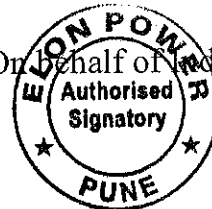
This MoU is signed subjective approval of the respective academic/administrative bodies.

On behalf of AISSMS COE



Signed by: Dr Nitin Shekapure  
Asst Professor, Production Engg Dept

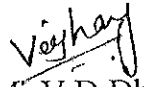
On behalf of Industry




Signed by: Mr Souri Ratnaparkhi



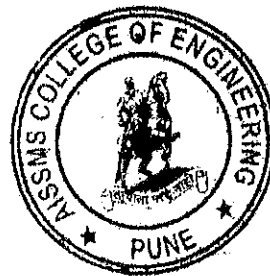
Dr D G Bhalke  
HOD, E&TC Engg Dept



Mr V D Dholle  
HOD, Production Engg Dept



Dr D S Bormane  
Principal, AISSMS COE, Pune



Date:



# **AISSMS**

## **COLLEGE OF ENGINEERING**

Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra,  
Affiliated to Savitribai Phule Pune University and recognized under 2(f) and 12 (B) by UGC  
(Id.No.PU/PN/Engg./093 (1992), AISHE Code No. C-41227

**Accredited by NAAC with A+ Grade**



**SHRI MALOJIRAJE CHHATRAPATI**  
Honorary Secretary

**Dr. D. S. BORMANE**  
Principal

## **Memorandum of Understanding**

**Between**

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**AND**

**UB CRYOGENIC SOLUTIONS LLP**

**Office No. 12-13, Metro -9 Building, Opp. Park Street,  
Rahatni, Pune, Maharashtra, India - 411017**

**AISSMS COE, PUNE**  
**1992-2017**



## PREAMBLE

The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various disciplines of engineering such as Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate courses in Chemical, Structure, Computer, Power Electronics and Drives, Microwave, Automotive and Design.

This agreement is signed between

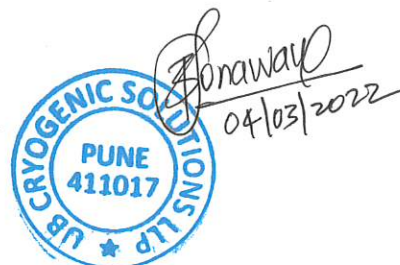
Whereas, AISSMS College of Engineering, Kennedy road, Pune - 411 001, Maharashtra. (Herein after referred as AISSMSCOE)

Whereas, UB CRYOGENIC SOLUTIONS LLP is engaged in Cryogenic Treatment of Cutting Tool with its registered office at Office No. 12-13, Metro -9 Building, Opp. Park Street, Rahatni, Pune, Maharashtra, India – 411017.

Whereas the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions set forth in this memorandum of understanding (MoU).

## OBJECTIVES OF MOU

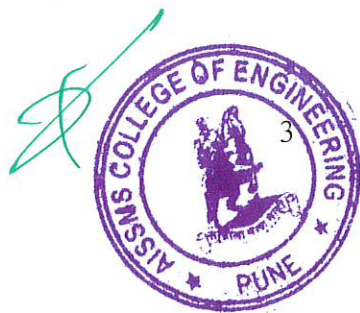
1. To promote Industry institute interaction.
2. To promote industry driven research and innovation
3. To provide access to industrial environment for the students and faculty.
4. To promote any other appropriate mode of interaction agreed upon between industry and institute.



## SCOPE AND TERMS OF INTERACTION

Both AISSMS COE and Industry shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

1. UB CRYOGENIC SOLUTIONS LLP shall share their knowledge and experience by way of joint conferences and seminars/workshops.
2. UB CRYOGENIC SOLUTIONS LLP shall provide practical training to AISSMS COE students at industry
3. UB CRYOGENIC SOLUTIONS LLP may depute its personnel to conduct expert lectures at AISSMS COE
4. UB CRYOGENIC SOLUTIONS LLP will arrange to provide periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with members of industry.
5. UB CRYOGENIC SOLUTIONS LLP would offer summer internship to interested students of AISSMS COE at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided between Industry and AISSMS COE every year.
6. UB CRYOGENIC SOLUTIONS LLP may seek assistance/ guidance of AISSMS COE faculty members in technical problems, trouble shooting etc.
7. UB CRYOGENIC SOLUTIONS LLP may showcase its business activities at the seminar or workshop or conference etc at AISSMS COE.
8. UB CRYOGENIC SOLUTIONS LLP may avail library, internet, and computational facilities at AISSMS COE.
9. UB CRYOGENIC SOLUTIONS LLP would help the students of AISSMS COE for project based learning by allowing to carryout PG/UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirements.



*Forawar*  
04/03/2012



## FINANCIAL ARRANGEMENTS

1. The collaborative program between AISSMS COE and INDUSTRY shall be coordinated by a coordination committee appointed by Directors of both the Institutes.
2. Financial arrangements for each specific collaboration will be decided on a case-to-case basis and brought on record in each case after due approval from heads of both the Institutions.

## INTELLECTUAL PROPERTY RIGHTS

Rights regarding publications, patents, royalty, ownership of software/design/product developed etc. under the scope of this MoU, shall be decided by the two parties by mutual consent.

## CONFIDENTIALITY

The AISSMS COE and the industry agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side

## COORDINATORS

Both sides will designate persons who will have responsibility for coordination and implementation of this agreement.

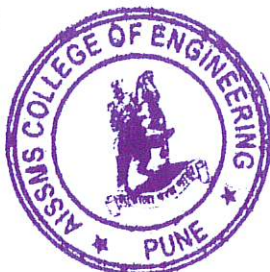
## DURATION OF MOU

This MoU will take effect from the date it is signed by the representatives of the parties. It will remain valid for five years and may be continued there after after suitable review and agreement. Either party may terminate the MoU by giving written notice to other party six months in advance. Once terminated, neither AISSMS COE nor industry will be responsible for any losses, financial or otherwise, which the other party may suffer.

This MoU is signed subjective approval of the respective academic/administrative bodies.



On behalf of AISSMS COE  
Signed by: Dr D S Bormane  
Date:



On behalf of Industry  
Signed by: Mr B V Sonawane  
Date: 04/03/2022





# **AISSMS**

## **COLLEGE OF ENGINEERING**

Approved by AICTE, New Delhi, Recognized by Govt. of Maharashtra,  
Affiliated to Savitribai Phule Pune University and recognized under 2(f) and 12 (B) by UGC  
(Id.No.PU/PN/Engg./093 (1992), AISHE Code No. C-41227  
**Accredited by NAAC with A+ Grade**



**SHRI MALOJIRAJE CHHATRAPATI**  
Honorary Secretary

**Dr. D. S. BORMANE**  
Principal

## **Memorandum of Understanding**

**Between**

**All INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**AND**

**PUNE MANAGEMENT ASSOCIATION (PMA)  
1332 Shivajinagar, 1<sup>st</sup> Floor, JM Road,  
Institution of Engineers Building, Pune,  
Maharashtra, India - 411005**

**AISSMS College of Engineering, Pune, No. 1, Kennedy Road, Near RTO Office Sangamvadi,  
Shivajinagar, Pune, Maharashtra- 411001**

### **Introduction:**

### **Pune Management Association (PMA):**

PMA is India's premier Management Association, established in 1977 as an independent Trust and Public Organisation. It was founded by all time great Industrialist- Late Padmabhushan SL Kirloskar, Late Mr. VS Vaidya (Swastik Group), Late Mr. CS Kirloskar (Kirloskar Group), Late Dr. NA Kalyani (Kalyani Group) and Late Mr. CV Joag (Bank of Maharashtra).

Pune Management Association (PMA) is a Centre of Excellence in the domain of Management that empowers the individuals and Enterprises to excel in their endeavor.

### **Centres of Excellence:**

PMA has formed various groups / sub-committees (Centres of Excellence) to provide platform to maximum number of active members. They work independently under PMA EC. The main intention of formation of the Centres of Excellence is to have larger participation from various parts of the Society. Lady Managers, Young Managers, Engineers, Trainers, Entrepreneurs/Start-Ups, Experts in various fields can form their own sub-Committees.

Following are various Centres of Excellence (COE) in PMA:

- ❖ CoE Academics
- ❖ CoE Business Excellence
- ❖ CoE Career Guidance
- ❖ CoE Civic Affairs
- ❖ CoE Entrepreneurship
- ❖ CoE Finance
- ❖ CoE Human Resources
- ❖ CoE Information Technology
- ❖ CoE Innovation and Emerging Technologies
- ❖ CoE Quality
- ❖ CoE Sales and Marketing
- ❖ CoE Skills Development
- ❖ MahaTrainers
- ❖ MahaEngineers



**AISSMS (All India Shri Shivaji Memorial Society's) College of Engineering** is a private engineering college located in Pune, Maharashtra, India. The college is affiliated with the University of Pune and was founded by Chhatrapati Shri Shahu Maharaj of Kolhapur, leading to the college's establishment in 1992. The institute is located close to the Regional Transport Office and shares its campus with a pharmacy college, Polytechnic and business school. At present, AISSMS offers bachelor's degrees in eight branches of engineering: NAAC-A+ (3.27 CGPA) & NBA ACCREDITATION

#### **Engineering Disciplines**

1. Chemical Engineering
2. Civil Engineering
3. Computer Engineering
4. Electrical Engineering
5. Electronics Engineering
6. Mechanical Engineering
7. Mechanical Engineering (Sandwich Pattern)
8. Production Engineering (Sandwich Pattern)

#### **Activities envisaged:**

- ❖ Training in Ideation, Design thinking, IPR, Entrepreneurship Development, Business Model Development and allied areas.
- ❖ Prototype Development in Institute's Laboratory
- ❖ IP facilitation
- ❖ Exhibitions for Startup product showcase.
- ❖ Entrepreneurial Development Activities through training, lectures, events, competitions
- ❖ Interaction with MSME in our region with our students, entrepreneurs and incubated projects.
- ❖ Encouragement through recognition, awards, certification



**NOW IT IS AGREED BY AND BETWEEN THE PARTIES HERE TO AS FOLLOWS:**

## **1. SCOPE OF MOU**

Both parties believe that close cooperation between the two would be of major benefit to the students, Alumni, Faculty members and stake holders to enhance their competencies in the area of Entrepreneurship Development.

### **A. Goals and Deliverables for Incubation and Entrepreneurship :**

Following shall serve as the major heads of goals and deliverables. This can be modified timely as per feasibility and mutual understanding of both parties:

- ❖ Events organization for community to promote their involvement in entrepreneurship and innovation
- ❖ Competitions like Ideathon on addressing local issues / needs of the community
- ❖ Induction of start-ups/innovators
- ❖ Technologies / products / innovations commercialization / deployment
- ❖ Fundraising events
- ❖ Mentors support
- ❖ corporate partners/collaborations support
- ❖ Support to Women / economically weaker section led startups

**B. Industrial Training and Site Visits:** Technical and Commercial interaction together will give an insight to the latest developments / requirements of the fast changing industries; the PMA will recommend and AISSMS College of Engineering, Pune to permit the faculty and students to visit different industries. Such industry exposure provided to the students and faculty through this association will Foster innovation and entrepreneurial spirit.

**C. Formation of Students Chapters:** The Students Chapters may be established at AISSMSCOE by the Executive Committee of Pune Management Association, with the concurrence of the management of the AISSMS College of Engineering, Pune.

The affairs and activities of such Students chapters shall be managed in accordance to the rules framed and approved by the Executive Committee of PMA.

**D. Research and Development:** Both parties have agreed to carry out the joint research activities to obtain new knowledge that it might use to create new methodology, procedures, services, or systems that it will either use or trade in market.



- E. Guest sessions / Workshops / FDPs / Training Programs:** Both parties will extend the necessary support to deliver Guest sessions / Workshops / FDPs / Training Programs.
- F. Consulting Services:** Both parties shall impart their experience, skill and knowledge in the form of expertise or strategic advice to solve a problem or improve a process or mentoring for Business Solutions.
- G. Curriculum Design:** PMA will offer valuable inputs to the AISSMS College of Engineering, Pune in teaching/training methodology and syllabus design of the related subjects in the Autonomy curriculum.
- H. Skill Development Programs:** PMA will help to train the AISSMSCOE students and faculty on the emerging technologies in order to bridge the skill gap.

## **2. COST:**

Parties acknowledge and agree to bear their own costs associated with the obligations set forth in this MoU. No hidden cost to any party.

In case of paid trainings / programs / events, fees and revenue sharing will be decided by both parties and separate agreement will be done for that particular course.

## **3. NO LEGAL OBLIGATIONS:**

The parties agree that provisions contained in this MoU do not create any legal obligations between the Parties, save for the confidentially provisions in this MoU.

## **4. RELESHIONSHIP OF THE PARTIES:**

The parties herein are independent contractors. This MoU does not create any agency, partnership, joint venture or any other business relationship between the Parties.

## **5. NON EXCLUSIVITY:**

Nothing in this MoU shall mean or shall be construed to mean that either party is at any time precluded from having similar arrangements with any other person or third party, subject always to maintaining confidentiality obligations stated herein.





**6. ASSIGNMENT:**

This MoU cannot be assigned to any third party, without the prior return consent of the other party.

**7. SINGLE POINT OF CONTACTS**

Single point of contact details are as follows:

|  |                                |                                     |                         |
|--|--------------------------------|-------------------------------------|-------------------------|
| <b>Pune Management Association (PMA)</b> |                                | AISSMS College of Engineering, Pune |                         |
| Name                                     | PRADEEP Tupe                   | Name                                | Dr. Bormane D.S.        |
| Designation                              | V.P.                           | Designation                         | Principal               |
| Email                                    | Training@PuneManagement.org.in | Email                               | prab.p@aiissmscoe.ac.in |
| Contact Number                           | 9666262028                     | Contact Number                      | 9810282286              |

**8. NATURE:**

This MoU is mutually acceptable, non legal and as per the availability and comfort of the parties. This is for the benefit of AISSMSCOE Students, Faculties and Industries.

**Address:**

Pune Management Association  
1332 Shivajinagar, 1st Floor, JM Road,  
Institution of Engineers Building,  
Adjacent to COEP Ground, PUNE – 411005.



**PRINCIPAL  
AISSMS, COE, PUNE-1**

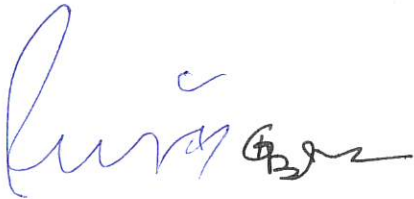
**Address:**


AISSMS College of Engineering, Pune  
No. 1, Kennedy Road, Near RTO Office  
Sangamvadi, Shivajinagar,  
Pune, Maharashtra- 411001

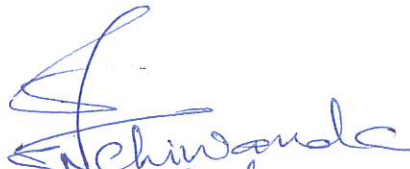


IN WITNESS OF the parties intending this MoU to be executed by their duly authorized representatives as on the date first hereinabove mentioned.

Pune Management Association (PMA)      AISSMSCOE, Pune-01

Sign:   
Name: R. Biman Gandhi.  
Designation: COE-ED Director, PMA  
Date: 20/09/2021

Sign:   
Name: S.N. Chivande  
Designation: Asst. Prof  
Date: 20/09/2021

  
S.N. Chivande  
Asst Prof -  
AISSMS, COE

**Memorandum of Understanding**

**Between**

**ALL INDIA SHRI SHIVAJI MEMORIAL  
SOCIETY'S COLLEGE OF ENGINEERING,  
PUNE - 411 001**

**AND**

**iNODE Software Company  
Human Controlled & Artificially  
Intelligent Software for Civil Engineers,  
Baner, Pune, Maharashtra 411045**

## **PREAMBLE**

Whereas, the AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various engineering disciplines of Chemical, Civil, Computer, Electrical, Electronics and Telecommunication, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate engineering courses in Chemical, Civil (Structure), Computer, Electrical (Power Electronics and Drives), Electronics and Telecommunication (Microwave) and Mechanical Engineering (Automotive and Design).

iNODE Software Company is incorporated with sole aim of developing advanced SaaS products for applications in Civil Engineering.

Whereas both the parties have decided to agree to establish engineering academic-management academic collaboration in the areas of mutual interest and in accordance with terms and conditions as set forth in this Memorandum of Understanding (MoU).

## **OBJECTIVES OF MOU**

1. To promote engineering academic- management institute interaction.
2. To provide Lab Development.
3. To promote any other appropriate mode of interaction agreed upon between industry and institute.

Now, therefore this agreement is signed between the parties;

**The AISSMS College of Engineering, 1, Kennedy Road, Pune - 411 001,  
Maharashtra (Hereinafter referred as AISSMS, COE, Pune)**

And

**iNODE Software Company, Baner, Pune - 411045, Maharashtra  
(Hereinafter referred as iNODE , Pune)**

Whereas, the following is agreed upon by both the parties

## **(A) SCOPE AND TERMS OF INTERACTION**

The AISSMS, COE, Pune and iNODE Software Company, Baner, Pune, shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

1. Institutes shall share their knowledge and expertise by way of joint conferences

- and seminars/workshops.
2. Institutes shall provide practical training to AISSMS, COE students related to startups and innovation.
  3. Institutes say Yes may depute its personnel to conduct expert lectures at AISSMS, COE, Pune.
  4. Institutes will facilitate periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with professionals.
  5. Institutes would offer summer internship to interested students of AISSMS, COE at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided between iNODE Pune and AISSMS, COE every year.
  6. Institutes may showcase its business activities at the seminar or workshop or conference etc at AISSMS, COE.
  7. Institute would help the students of AISSMS, COE for project based learning by allowing to carryout PG/UG/Research projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirements.
  8. iNODE Software Company, Baner, Pune & AISSMSCOE shall work jointly on certain technical problem faced by students, also it will support for Incubation facility and startups.
  9. AISSMS, COE shall nominate one faculty for each project given by INDUSTRY. The faculty shall closely monitor the progress of the project & shall closely monitor the program review meeting at the Industry once a month.

#### **(B) FINANCIAL ARRANGEMENTS**

The collaborative program between AISSMS, COE and iNODE be Academic & Industry related with no financial implications.

#### **(C) INTELLECTUAL PROPERTY RIGHTS**

Rights regarding Publications, Patents, Royalty, Ownership of software/design/product etc. developed under the scope of this MoU, shall be decided by both the parties by mutual consent, till then no party will have any kind of legal rights whatsoever on the publications, patents, royalty, ownership of software/design/product etc.

#### **(D) CONFIDENTIALITY**

The AISSMS, COE and the iNODE Institute agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side.

### (E) COORDINATORS

Both sides will designate one or two persons who will be responsible for overall coordination and implementation of this agreement.

### (F) DURATION OF MOU

This MoU will come in force from the date of signing of the MoU by the representatives of both the parties. It will remain valid for a period of **two year**, and may be continued after suitable review and mutual agreement. Either party may terminate the MoU by giving written notice to other party three months in advance. Once terminated, neither AISSMS, COE nor iNODE Institute will be responsible for any losses, financial or otherwise, which the other party may suffer.

This MoU is signed on this day of 21/04/2022 by both the parties, subject to approval of the respective academic/administrative bodies.

#### On behalf of AISSMS, COE

Signed by: **Dr D S Bormane**  
Principal,  
AISSMS COE,  
Pune

Date: 21 /04/2022

Witness

Dr. (Mrs.) Vidya Nitin Patil  
Faculty

#### On behalf of iNODE Software Company, Baner, Pune

Signed by: ROHIT AROTE  
CMO  
Pune

Date: 21 /04/2022



**Memorandum of Understanding**

**Between**

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**AND**

**WATER FIELD RESEARCH FOUNDATION,  
THANE – 400 604**

## PREAMBLE

The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various disciplines of engineering such as Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate courses in Chemical, Structure, Computer, Power Electronics and Drives, Microwave, Automotive and Design.

This agreement is signed between

Whereas, AISSMS College of Engineering, Kennedy road, Pune - 411 001, Maharashtra. (Herein after referred as AISSMSCOE)

Whereas, Water Field Research Foundation is engaged in Research and Innovations in Rainwater Harvesting and Ground water Management with its registered office at Wagle Industrial Estate, Thane (W) – 400604. (Herein after referred as WFRF)

Whereas the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions set forth in this memorandum of understanding (MoU).

## OBJECTIVES OF MOU

1. To promote Industry institute interaction.
2. To promote industry driven research and innovation.
3. To provide access to industrial environment for the students and faculty.
4. To promote any other appropriate mode of interaction agreed upon between industry and institute.

## SCOPE AND TERMS OF INTERACTION

Both AISSMS COE and WFRF shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

1. WFRF shall share their knowledge and experience by way of joint conferences and seminars/workshops.
2. WFRF shall provide practical training to AISSMS COE students at industry
3. WFRF may depute its personnel to conduct expert lectures at AISSMS COE
4. WFRF will arrange to provide periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with members of industry.
5. WFRF would offer summer internship to interested students of AISSMS COE at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided between Industry and AISSMS COE every year.
6. WFRF may seek assistance/ guidance of AISSMS COE faculty members in technical problems, trouble shooting etc.
7. WFRF may showcase its business activities at the seminar or workshop or conference etc at AISSMS COE.
8. WFRF may avail library, internet, laboratory, workshop and computational facilities at AISSMS COE.
9. WFRF would help the students of AISSMS COE for project based learning by allowing to carryout PG/UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirement.



## FINANCIAL ARRANGEMENTS

1. The collaborative program between AISSMS COE and WFRF shall be coordinated by a coordination committee appointed by Directors of both the Institutes.
2. Financial arrangements for each specific collaboration will be decided on a case-to-case basis and brought on record in each case after due approval from heads of both the Institutions.

## INTELLECTUAL PROPERTY RIGHTS

Rights regarding publications, patents, royalty, ownership of software/design/product developed etc. under the scope of this MoU, shall be decided by the two parties by mutual consent.

## CONFIDENTIALITY

The AISSMS COE and the WFRF agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side

## COORDINATORS

Both sides will designate persons who will have responsibility for coordination and implementation of this agreement.

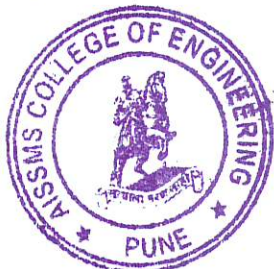
## DURATION OF MOU

This MoU will take effect from the date it is signed by the representatives of the parties. It will remain valid for five years and may be continued there after after suitable review and agreement. Either party may terminate the MoU by giving written notice to other party six months in advance. Once terminated, neither AISSMS COE nor WFRF will be responsible for any losses, financial or otherwise, which the other party may suffer.

This MoU is signed subjective approval of the respective academic/administrative bodies.

Coordinator  
Name (Contact): **VIVEK S. CHAVHAN**  
(9767193755)

On behalf of AISSMS COE  
Signed by: **PRINCIPAL**  
**AISSMS, COE, PUNE-1**



Date:

Coordinator  
Name (Contact): **NIKITA KADAM**  
(9702 900043)



On behalf of WFRF  
Signed by: **SANDEEP ADHYAPAK**

Date: 25/09/2021



**WATER FIELD™**  
**TECHNOLOGIES PVT. LTD.**

HARVESTING RAINWATER ...

(AN ISO 9001:2015 CERTIFIED COMPANY)

CIN NO. U74120MH2012PTC230147

## **Memorandum of Understanding**

**Between**

**ALL INDIA SHRI SHIVAJI MEMORIAL SOCIETY'S  
COLLEGE OF ENGINEERING, PUNE – 411 001**

**AND**

**WATER FIELD TECHNOLOGIES PRIVATE  
LIMITED, THANE - 400604**

## PREAMBLE

The AISSMS College of Engineering, Pune is affiliated to the Savitribai Phule Pune University, Pune and approved by AICTE. It conducts undergraduate courses in various disciplines of engineering such as Chemical, Civil, Computer, Electrical, Electronics, Mechanical, Mechanical Sandwich and Production Sandwich and post graduate courses in Chemical, Structure, Computer, Power Electronics and Drives, Microwave, Automotive and Design.

This agreement is signed between

Whereas, AISSMS College of Engineering, Kennedy road, Pune - 411 001, Maharashtra. (Herein after referred as AISSMSCOE)

Whereas, Water Field Technologies Private Limited is engaged in Rainwater Harvesting and Ground water Management with its registered office at Wagle Industrial Estate, Thane (W) – 400604. (Herein after referred as WFTPL)

Whereas the parties have decided to agree to establish industry academic collaboration in the areas of mutual interest and in accordance with terms and conditions set forth in this memorandum of understanding (MoU).

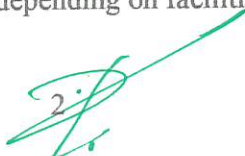
## OBJECTIVES OF MOU

1. To promote Industry institute interaction.
2. To promote industry driven research and innovation.
3. To provide access to industrial environment for the students and faculty.
4. To promote any other appropriate mode of interaction agreed upon between industry and institute.

## SCOPE AND TERMS OF INTERACTION

Both AISSMS COE and WFTPL shall encourage interaction between the engineers, research fellows, faculty members and students through following arrangements

1. WFTPL shall share their knowledge and experience by way of joint conferences and seminars/workshops.
2. WFTPL shall provide practical training to AISSMS COE students at industry
3. WFTPL may depute its personnel to conduct expert lectures at AISSMS COE
4. WFTPL will arrange to provide periodic field visits to faculty and students of AISSMS COE to enable them to get practical exposure and learning from interaction with members of industry.
5. WFTPL would offer summer internship to interested students of AISSMS COE at its factory/ project locations so that students get hands on experience of live projects. The number of students who can be considered for the internship would be as mutually decided between Industry and AISSMS COE every year.
6. WFTPL may seek assistance/ guidance of AISSMS COE faculty members in technical problems, trouble shooting etc.
7. WFTPL may showcase its business activities at the seminar or workshop or conference etc at AISSMS COE.
8. WFTPL may avail library, internet, laboratory, workshop and computational facilities at AISSMS COE.
9. WFTPL would help the students of AISSMS COE for project based learning by allowing to carryout PG/UG projects depending upon the nature of work as per rules of the respective institutes depending on facilities and requirement.



## FINANCIAL ARRANGEMENTS

1. The collaborative program between AISSMS COE and WFTPL shall be coordinated by a coordination committee appointed by Directors of both the Institutes.
2. Financial arrangements for each specific collaboration will be decided on a case-to-case basis and brought on record in each case after due approval from heads of both the Institutions.

## INTELLECTUAL PROPERTY RIGHTS

Rights regarding publications, patents, royalty, ownership of software/design/product developed etc. under the scope of this MoU, shall be decided by the two parties by mutual consent.

## CONFIDENTIALITY

The AISSMS COE and the WFTPL agree to hold in confidence all information/data which is obtained from either side or created during the performance of the MoU and will not disclose the same to any third party without written consent of the other side

## COORDINATORS

Both sides will designate persons who will have responsibility for coordination and implementation of this agreement.

## DURATION OF MOU

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Coordinator

Name (Contact): PANKAJ R. MODAK  
(9767449627)

On behalf of AISSMS COE  
Signed by: **PRINCIPAL**  
**AISSMS, COE, PUNE-1**

Coordinator

Name (Contact): NIKITA KADAM  
(9702900043)

On behalf of WFTPL  
Signed by: **SANDEEP ADHYAPAK**

Date:



Date: 25/09/2021