

# **JSPM NARHE TECHNICAL CAMPUS, NARHE, PUNE- 411041**

## **CRITERION 7 - INSTITUTIONAL VALUES AND BEST PRACTICES**

### **7.2 Best Practices**

**7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual**

## **Best Practice I: Learning through Competition**

**1. Evidence of Success:** At **AIRC: Auto India Racing Championship** for the previous year 2021-22 our team managed to get the 3<sup>rd</sup> runner-up position and have taken the success higher exponentially in 2022-23. The team has bagged the following awards:

*1. First Prize in Overall Championship at AIRC: Auto India Racing Championship*

*2. Best Cost Report/ B-plan Award*

*3. Best Rider Award*

*4. 2<sup>nd</sup> Runner-up AutoCross*

*5. 2<sup>nd</sup> Runner-up Skidpad.*

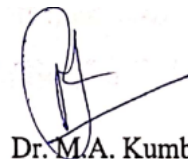




Along with this there has been a considerably higher amount of competencies in problem-solving, critical thinking, time management, and teamwork, all of which are essential in both academic and professional environment. Selection of appropriate manufacturing method and carrying out various operations indicates enhancements in manufacturing skills. Presentation of business plan leads to development in marketing skills. Selection of right vendors leads to enhancement in purchasing and costing capabilities of the students. Our students have strived relentlessly and achieved numerous successes this year. They have proved that they are ready to face the market and life skillfully.

**List of participants:**

SR.NO	NAME OF PARTICIPANT
1.	SUJIT PATIL
2.	KEDAR SHEDGE
3.	TEJAS JOSHI
4.	TEJAS JAGTAP
5.	TANVI THORAT
6.	SRUSHTI SAVARDEKAR
7	ANISH KANSE
8.	SIVAM NAVTAKE
9.	AJAY CHOUDHARI
10.	ADITYA KALDATE



Dr. M.A. Kumbhalkar

Head  
Department of Mechanical Engineering  
JSPM Narhe Technical Campus  
R.S.S.O.E. & R. Narhe, Pune - 411041.

**JSPM & TSSM**  
Group of Institutes, Pune  
Quality Education from K.G. to Ph.D.

**Best AWARD**  
★ ★ ★

**Team BlackSpanners (Go Kart Team) in Auto India Racing Championship (AIRC)- 2022 at Ajeenkya D.Y. Patil University, Lohgaon, Pune.**

**Awards Won**

1. Overall 3<sup>rd</sup> Runner up (Trophy + 25000/-)
2. 2<sup>nd</sup> in Best Driver (Medal)
3. 1<sup>st</sup> in Best Aesthetic (Trophy)

With Prize also honoured by Hon. Prof. Dr. T.J. Sawant Sir (Founder Secretary, JSPM) & Hon Mr. G.T. Sawant Sir (Secretary, TSSM) with Prize of 25000/-

**JOURNEY BEGINS WITH PASSION**

Certificate of **CHAMPIONSHIP**

Associated with  
  
D.Y. PATIL GROUP

This is to Certify that Team TEAM BLACKSPANNERS has won a 3<sup>rd</sup> Runner Up  
 In AIRC SEASON 5 (2022), representing to College JSPM NARHE TECHNICAL CAMPUS,PUNE  
 We wish Them All the best for the future.

**AUTO INDIA RACING CHAMPIONSHIP**  
SEASON-5

*Pranita*  
**Mrs. Pranita Satav**  
Convenor  
(AIRC, Wagholi, Pune, MH.)

Our Sponsors & Partners



# Certificate of AESTHETIC AWARD



## AUTO INDIA RACING CHAMPIONSHIP SEASON-5

This is to Certify that Team TEAM BLACKSPANNERS has won a Aesthetic Award In AIRC SEASON 5 (2022), representing to College JSPM NARHE TECHNICAL CAMPUS,PUNE We wish Them All the best for the future.

*Pranita Satav*  
Mr. Pranita Satav  
Convenor  
(AIRC, Wagholi, Pune, MH.)



# Certificate of BEST DRIVER AWARD

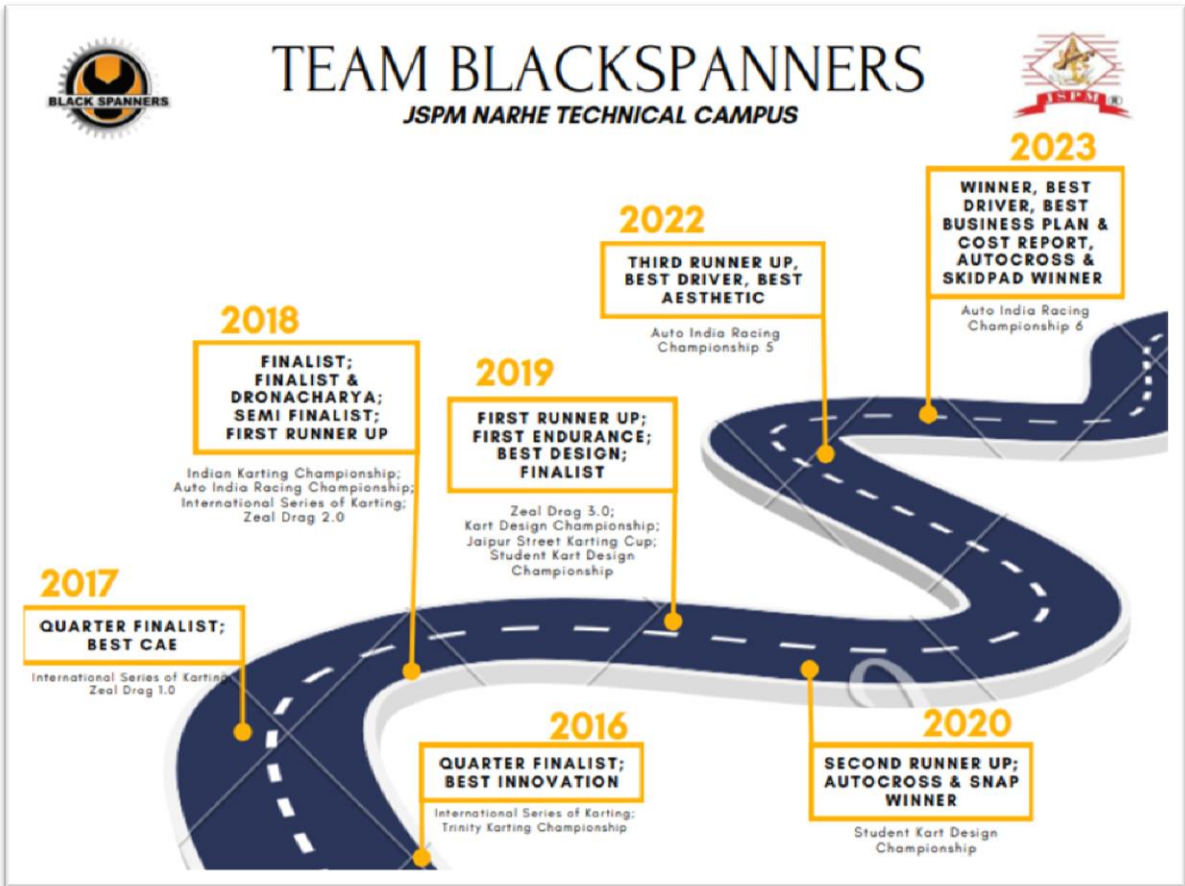


## AUTO INDIA RACING CHAMPIONSHIP SEASON-5

This is to Certify that Team TEAM BLACKSPANNERS has won a Best Driver 2<sup>nd</sup> Award In AIRC SEASON 5 (2022), representing to College JSPM NARHE TECHNICAL CAMPUS,PUNE We wish Them All the best for the future.

*Pranita Satav*  
Mr. Pranita Satav  
Convenor  
(AIRC, Wagholi, Pune, MH.)





Achievement roadmap

Dr. M.A. Kumbhalkar

Head  
(HOD, Mech)  
Department of Mechanical Engineering  
JSPM Narhe Technical Campus  
R.S.S.O.E. & R. Narhe, Pune - 411041.



JAYAWANT SHIKSHAN PRASARAK MANDAL'S

**JSPM NARHE TECHNICAL CAMPUS NARHE, PUNE-41**

(DTE Code EN- 6755)

AICTE-CII SURVEY: PLATINUM CATEGORY INSTITUTE



## GREETINGS FROM MECHANICAL ENGINEERING DEPARTMENT



CO-KART TEAM BLACKSPANNER WON OVERALL CHAMPIONSHIP-2023 IN ALL INDIA RACING CHAMPIONSHIP (AIRC) AT AJINKYA D. Y. PATIL SCHOOL OF ENGINEERING, LOHGAON, PUNE.



- PRIZES**
- ★ Overall champion of AIRC-6
  - ★ Winner business plan
  - ★ Runner up autocross
  - ★ Runner up skidpad
  - ★ Best Rider award
  - ★



# Congratulations







Jayawant Shikshan Prasarak Mandal's  
**JSPM Narhe Technical Campus**

S. No. 12/2/2 and 14/9, Narhe, Tal : Haveli, Dist.: Pune – 411041

Phone : +91 20 2460 8700, 701, 702 Email : director@jspmntc.edu.in Web : www.jspmntc.edu.in

Affiliated to Savitribai Phule Pune University. Approved by AICTE New Delhi and DTE Maharashtra.

DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874



**DEPARTMENT OF CIVIL ENGINEERING**

Date: 20/04/2024

**Event Summary Report**

**Event :** Project Expo 2k24, Project Exhibition Cum Competition.

**Held At :** MIT-ADT School of Engineering and Sciences, Pune

**Date :** 18-19 April, 2k24

**Number of Students Participated :** 5

**Rank Secured :** 1<sup>st</sup> (Winner From Civil Engineering Department with trophy and cash prize of Rs. 21000)

**Participants :** 1) Anurag Santosh Zende  
2) Om Vilas Narale  
3) Sanjana Pravin Patil  
4) Sanika Eshwar Savalkar  
5) Keshar Rakesh Narvekar

**Objectives of Event:** The objective of our project competition is to foster collaborative problem-solving, innovation, and skill development among participants. Through hands-on projects, we aim to encourage students or professionals to apply their knowledge to real-world challenges, honing their critical thinking, creativity, and communication abilities. Promote practical-based learning.

**Outcome of Event:**

The project competition proved to be an extraordinary platform, showcasing the ingenuity and creativity of student participants. Each project offered a unique blend of innovation, problem-solving, and collaborative effort, reflecting the diverse interests and talents of the students. From sustainable engineering solutions to community-focused initiatives, the outcomes of the event highlighted not only the depth of knowledge acquired through project-based learning but also the practical application of skills in real-world contexts.



# Jayawant Shikshan Prasarak Mandal's JSPM Narhe Technical Campus

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## DEPARTMENT OF CIVIL ENGINEERING

### Photographs



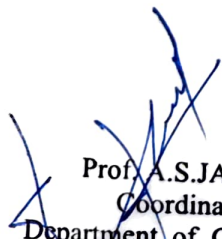
Model




Winner Trophy



Prize distribution pics

  
Prof. A.S. Jadhav  
Coordinator,  
Department of Civil Engineering

  
Dr. S.B. Khaple  
Head,  
Department of Civil Department  
**Head**  
Dept. of Civil Engg.  
JSPM Narhe Tech. Campus,  
Narhe, Pune - 41



**JAYWANT SHIKSHAN PRASARAK MANDAL'S**

**JSPM NARHE TECHNICAL CAMPUS**

**Department of Electronics and Telecommunication**



### Summary Report

**Event :** TECKNOTHON 2K24

**Held At :** PVPIT ,BAVDHAN

**Date :** 6 February 2024

**Number of Students Participated :** 4

**Rank Secured :** Second

**Participants :** Sejal Hanmante ,Prathamesh Sharma ,Rameshwari Kadrame ,Mohit Badgujar

#### **Introduction of event :**

Tecknothon is a prestigious project expo competition designed to showcase the innovative talents and engineering prowess of undergraduate students. This annual event provides a platform for aspiring engineers to present their original research, conceptual designs, and technological prototypes to a panel of distinguished judges and industry professionals.

The competition fosters a culture of creativity and problem-solving amongst engineering students, encouraging them to address real-world challenges through their projects.

#### **Objective :**

- Promote practical-based learning.
- Stimulate innovation and creativity.
- Develop technical expertise.
- Hone communication and presentation skills.
- Foster collaboration and teamwork.
- Bridge the gap between academia and industry.

#### **Team :**





JAYWANT SHIKSHAN PRASARAK MANDAL'S

JSPM NARHE TECHNICAL CAMPUS

Department of Electronics and Telecommunication



Certificates :





# JAYWANT SHIKSHAN PRASARAK MANDAL'S

## JSPM NARHE TECHNICAL CAMPUS

### Department of Electronics and Telecommunication



*K. M. Sardeshmukh*  
**Dr. M. M. Sardeshmukh**  
 Director  
 JSPM Narhe Technical Campus  
 Narhe, Pune - 411041

## **Auto India Racing Championship 2018 Pune , Maharashtra .**

**Venue – PCNTDA Traffic Park, Moshi, Pune**

Auto India Racing Championship 2018 is a **GO-KART** racing event, where under graduate and graduate students are given opportunity to design and fabricate their four wheeled vehicle. This event is an intercollegiate design competition for engineering students. The vehicle must be highly engineered, safe and ergonomically designed. The purpose of the event is to provide an opportunity for engineering students to develop their skills and also their stepping stone in automobile sector in India and come up with some innovative designs. Students have to tackle real world engineering problems, work in multidisciplinary teams, practice design for manufacturability and manage a full product development cycle of life.

The Competition includes designing, fabricating and validating a four wheeled vehicle driven by one driver. The vehicle would be capable to be driven by one driver on gasoline. The vehicle would be evaluated for its design, performance, safety, durability and the teams compete against each other. The cumulative scores of all the events would decide the overall ranking of the teams in the event.

The event contained following activities :

**Day 1** - 17th February - Registration and reporting of the team and the kart.

**Day 2** - 18th February–Evaluation And Submission of Design & Cost Report , Technical Inspection

**Day 3** - 19th February–Break Test , Acceleration , Auto-Cross, Skid Pad.

- **Day 4** - 20th February–Qualifying Endurance, Main Endurance, Night Endurance

- **Technical Inspection and Design evolution** : The Technical inspection consist of evaluating the manufactured kart as per the event rulebook and the kart fulfilling all the criteria are the organizers inspect the kart. If all the design specification and the safety criteria are fullfied then the kart is passed for the further activities.

- **Design evolution& Cost Report:** Design evolution of the further round design and manufacturing kart and a questioning on the process end the selection of the material for manufacturing. The maximum points for this round are 100. In cost report we have to show material / equipment's purchased bills for manufacturing of kart.

- **Brake Test:** It's mandatory for a vehicle to pass the brake test to participate in any of the dynamic events. The vehicle must stop in a straight line after the brake is applied on the vehicle. Each vehicle will be given 2 attempt stop as the brake test. Vehicle's speed must not be less than 45 kmph while attempting brake test.
- **Acceleration Test:** Acceleration determines the time it takes the vehicle to accelerate along 100ft(30.48m) flat course. Each team may take two attempts but with different drivers. Scoring was based on better of two attempts
- **Autocross:** In this test, 10 hardels are kept at the distance of 3m from each other, and the kart is driven passing this hardels. to check the stability and steering alignment of the kart. the maximum points for this test is 80.
- **Skid pad:** In this test, the track is been marked with the figure 8, and thus the kart has to be driven in following the marked boundaries of the track to complete this task. The maximum points for this test are 80.
- **Endurance test:** The Endurance Event is designed to evaluate the overall performance of the vehicle and to test the vehicle's reliability. Teams are free to choose any top speed. The each kart participating in this test has to complete 5 laps within the given fuel.

## Glimpses at Auto India Racing Championship 2018, Pune , Maharashtra

Event Notifications:



### **AUTO INDIA RACING CHAMPIONSHIP 2018**

**PUNE, MAHARASHTRA**



*Team Black Spanners giving final touch to Go-Kart " Pravega".*





Team Black Spanners burning up track at AIRC Pune

**Achievements:**

Prof. Tapase Sumil Nandkumar has Secured National level award of "Dronacharya" at AIRC Pune





Certificate of Participation

**Conclusion:**

- Prof.S.N.Tapase secured National level award named as "DRONACHARYA" in Auto India Racing Championship 2018.
- We successfully completed all the tests and competed in the final Endurance, fuel economy test and 3<sup>rd</sup> runner up in endurance race.

*Mr. Tapase*  
 Prof. Tapase S.N.  
 Go Kart - Faculty Co-ordinator

*Head*  
 Head  
 Department of Mechanical Engineering  
 JSPM Narhe Technical Campus  
 R.S.S.O.E.&R. Narhe, Pune - 411041.



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**Prof.(Dr.)T. J.Sawant**  
D.E.E. B.E.(Electrical), Ph.D., MISTE  
Founder - Secretary

**Prof.(Dr.)M.M.Sardeshmukh**  
B.Tech (E&TC) M.Tech (E&TC), Ph.D (Engg.)  
DIRECTOR

## List and Copies of MOU

### INDEX

Sl. No.	Name of the MoU / linkage	Name of the institution / industry with whom the MoU / linkage is made, with contact details	Year of signing MoU / linkage	Digital Page No
1	JSPMs Narhe Technical Campus Friends Union for Energising Lives ( FUEL)	Friends Union for Energising Lives ( FUEL)	2024	04
2	JSPMs Narhe Technical Campus Indian Railways	Indian Railways	2024	09
3	JSPMs Narhe Technical Campus DMI Draexlmaier Manufacturing India Private Limited	DMI Draexlmaier Manufacturing India Private Limited	2023	14
4	JSPMs Narhe Technical Campus Global Calibration	Global Calibration	2023	17
5	JSPMs Narhe Technical Campus Virtual Simutech Pvt Ltd and G2G Innovations LLP Pune	Virtual Simutech Pvt Ltd and G2G Innovations LLP Pune	2023	19
6	JSPMs Narhe Technical Campus Janhavi Filters	Janhavi Filters	2023	24
7	JSPMs Narhe Technical Campus craft and technik industries	craft and technik industries	2023	29
8	JSPMs Narhe Technical Campus Prime Industries	Prime Industries	2023	34
9	JSPMs Narhe Technical Campus Xtreme engineering equipment pvt. Ltd.	XTREME ENGINEERING EQUIPMENT PVT. LTD.	2023	39
10	JSPMs Narhe Technical Campus SV Tech Engineering Consultants Pvt Ltd	SV Tech Engineering Consultants Pvt Ltd	2023	44
11	JSPMs Narhe Technical Campus Cosmic Refrigeration Pvt Ltd	Cosmic Refrigeration Pvt Ltd	2023	49



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B.Tech (E&TC) M.Tech (E&TC), Ph.D (Engg.)  
DIRECTOR

12	JSPMs Narhe Technical Campus Ergomatic Automation India Private Limited	Ergomatic Automation India Private Limited	2023	54
13	JSPMs Narhe Technical Campus MSEDCL	MSEDCL	2023	59
14	JSPMs Narhe Technical Campus Top IT Academy	Top IT Academy	2023	64
15	JSPMs Narhe Technical Campus Jeetraj Construction & Services Pvt. Ltd.	Jeetraj Construction & Services Pvt. Ltd.	2023	67
16	JSPMs Narhe Technical Campus GemsTech Infrastructure Pvt Ltd	GemsTech Infrastructure Pvt Ltd	2022	72
17	JSPMs Narhe Technical Campus CAD DESK	CAD DESK	2022	77
18	JSPMs Narhe Technical Campus Star Health and Allide Insurance Company	Star Health and Allide Insurance Company	2022	82
19	JSPMs Narhe Technical Campus Radiant IT Services Pvt. Ltd.	Radiant IT Services Pvt. Ltd.	2021	96
20	JSPMs Narhe Technical Campus Skill Edge 4.0 Edutech Pvt. Ltd.	Skill Edge Pvt. Ltd.	2021	100
21	JSPMs Narhe Technical Campus Focus Academy for Career Enhancement (FACE)	Focus Academy for Career Enhancement (FACE)	2019	106
22	JSPMs Narhe Technical Campus Vertex IT Services Pvt. Ltd.	Vertex IT Services Pvt. Ltd.	2019	112
23	JSPMs Narhe Technical Campus SK Surgicals	SK Surgicals	2018	116



  
Dr. M. M. Sardeshmukh  
Director  
JSPM Narhe Technical Campus  
Narhe, Pune - 411041



## Memorandum of Understanding

This Memorandum of Understanding (MoU) is entered on January 2024-25, by and between:

- a. JSPM Narhe Technical Campus, Narhe, Pune- S No 12-1-2 and 12-2-2 Narhe, Taluka- Haveli, Near Sanas Crane, Pune-Bangalore Highway, Pune, Maharashtra 411041.

And

- b. Friends Union for Energising Lives (here in after referred to as FUEL) duly registered under the Indian Trusts Act 1882, and having its office at FUEL, Forest Trails Township, Near Sales office, Paranjape Schemes, Near Manas Lake, Paud Road, Bhugaon, Pune, Maharashtra 412115.

This MoU is drawn up and agreed upon to establish the cooperation between **JSPM Narhe Technical Campus, Narhe, Pune** and **FUEL** to bridge the divide that exists between industry and academia in the skill ecosystem and provide Skilling support to the youth to enhance their employability.

## Background and Purpose of Parties Involved

**JSPM Narhe Technical Campus, Narhe, Pune** - JSPM began its humble journey under the visionary leadership of Dr. (Prof.) T. J. Sawant in 2001 with the establishment of Rajarshi Shahu College of Engineering at Tathawade. Today JSPM is an agglomerate of more than 70 institutes spread across Six campuses providing quality education ranging from Pre-School to Doctoral Research for over 50000+ students in the metropolitan region of Pune and Pimpri-Chinchwad. JSPM Provides Diploma/ Graduate/ Post-graduate and Research Fellows in Engineering, Management and Pharmacy. Apart from technical education it also established Eight Schools with a combined student strength of 12000+ students across Pune. All schools are affiliated to CBSE.

**Friends Union for Energising Lives-FUEL**, a credible non-profit organization which provides Career Guidance and Skilling to the students throughout India. FUEL has received the highly prestigious Ashoka Fellowship which is awarded to leading social entrepreneurs for their exemplary solutions to social issues.

- FUEL aims to work for the Mission as envisioned by Dr. APJ Abdul Kalam for FUEL to reach career guidance support to over 1 crore students. FUEL believes that through the provision of essential life skills, Indian youth can achieve excellence in their professional life. It has a track record of several years, having already reached 1 million students across India, and is supported by India's leading

corporates and foundations:

- Recently FUEL had a great opportunity to interact with the Hon'ble Prime Minister of India Shri. Narendra Modi during the "Champions of Change" event organized by the Niti Ayog from PMO's office in Delhi.

#### Significant Recognition

- Appreciated by Former President of India Shri. Ram Nath Kovind

Vision: FUEL has a vision to empower the youth and enable them to become the torch bearers of tomorrow.

#### Goals:

- To reach students through career counseling and guidance over 1 crore (10 million) students.
- To support mechanics & drivers through trainings for better sustainability & livelihood
- To Train under privileged youth with future skills & vocational skills from rural and semi urban areas in India
- Provide 360-degree career support to enable youth to choose the right careers and excel both personally and professionally.

### **Context of the MoU**

JSPM Narhe Technical Campus, Narhe, Pune aims to serve the needs of industry, society, and rural areas in particular by imparting attitude, knowledge, and skills through quality education and developing self-disciplined, mentally robust, and morally strong professionals. Both parties should collaborate to make a greater and long-term difference in young people's lives.

### **Scope of Work**

- To establish a cooperative arrangement towards - strengthening the identified objectives.
- Review and co-create an initial roadmap for students in the JSPM Narhe Technical Campus, Narhe, Pune for improvement in the employability potential through interventions such as Aptitude training and Future Skill Development.
- Establish mechanism for formulation of strategy and review of progress in mutual consultation with each other with intent to bring efficiencies in the existing schemes through convergence of efforts.

### **Roles and Responsibilities**

#### **FUEL's Roles and Responsibilities:**

- To deliver Aptitude Training and Future Skill Development with the support of Corporate Social Responsibility.
- Mapping of student on skill development, education, and entrepreneurship.

- To facilitate that during skill training student spend reasonable time at industry internships for the on-the-job-learning.
- To facilitate employment to the skilled student with the support of industry.

#### **JSPM Narhe Technical Campus, Narhe, Pune Roles and Responsibilities:**

- Facilitate co-creation and execution of agreed plan with FUEL.
- Facilitate functioning of the persons engaged by the FUEL in the project
- To share required policy inputs and data with FUEL.
- Assist FUEL in connecting with industry.
- Assist FUEL in establishing Center of Excellence in University premises.

#### **Terms and Conditions**

- This Memorandum shall commence from the date of its signing and shall continue for a period of one (1) year from the date thereof and be automatically renewed for successive periods of one (1) year, unless either Party notifies in writing to the other Party of its intention to terminate this MOU ninety days in advance.
- This Memorandum is not a legally binding contract and under no circumstances does this Memorandum subject either of the Parties to liability for breach, whether material or minor, of contract or any other liability under national or international law or any other applicable law.
- The Parties may nominate an identified individual to establish a "Joint Working Group" to manage and execute the cooperative activities mentioned in this MOU.
- Parties may use other party's logo/branding only after prior permission from each other



## Contact Persons

### Friends Union for Energising Lives (FUEL)

Forest Trails Township, Near Sales office, Paranjape Schemes, Near Manas Lake, Paud Road, Bhugaon, Pune, Maharashtra 412 115.

Tel.: 7219602048

Email: ceo@studentsfuel.org

### JSPM Narhe Technical Campus, Narhe, Pune

S No 12-1-2 and 12-2-2 Narhe, Taluka- Haveli, Near Sanas Crane, Pune-Bangalore Highway, Pune, Maharashtra 411041

Tel.: 9673995321

Email: tpo\_ntc@jspm.edu.in

This MoU is prepared in two identical copies. Each Party holds one original copy duly signed by the competent authority.

Signed

Date:

For and on behalf of:

Friends Union for Energising Lives (FUEL)

Ketan Deshpande

*K. Deshpande*

Founder Chairman and CEO, FUEL



JSPM Narhe Technical Campus, Narhe,  
Pune

Dr. Choudhari S. A.

*S. A. Choudhari*

Director

**Director**

**JSPM Narhe Technical Campus  
Narhe, Pune-41**

Witness:

*M. Rajendra*

Mpyuri Rajendra  
COO, FUEL



Witness:

*Shrinath M. Patil*

Shrinath M. Patil

Training Placement officer

**Training & Placement Officer**  
J.S.P.M. Narhe Technical Campus  
Narhe, Pune-41



## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter called as the 'MOU') is entered on the 10<sup>th</sup> day of April Two Thousand Twenty Four (10/04/2024).

### BETWEEN

**JSPM Narhe Technical Campus**, Survey No. 12/2/2 & 14/9, Pune Bangalore Highway, Taluka Haveli, Narhe, Pune-411041, Maharashtra, India (hereinafter referred as "**First Party**"), the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

### AND

**Indian Railways, Office of the Senior Divisional Mechanical Engineer(D) & Environment and Housekeeping Management Department (EnHM)**, CSTM, Mumbai Division, Chhatrapati Shivaji Terminus Area, Fort, Mumbai, Maharashtra 400001, India (hereinafter referred to as "**Second Party**"), company which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party')

### WHEREAS:

- A) First Party is a Higher Educational Institution named **JSPM Narhe Technical Campus, Narhe, Pune - 411041, India.**
- B) First Party and Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.
- C) The Parties intent to cooperate and focus their efforts on cooperation within area of Knowledge sharing, Education and Research.

D) Both Parties, being legal entities in themselves desire to sign this MOU for advancing their mutual interest.

**Indian Railways, Office of the Senior Divisional Mechanical Engineer(D) & Environment and Housekeeping Management Department (EnHM)**, the Second Party is engaged in has believed in inspiring individuals to become a brand. They are here to build a community where influences and brands connect, collaborate and



व. म. पर्री, एम. ए. सी. मुंबई  
Sr. GM, Mumbai  
DRM'S Office, Mumbai, C. City

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:

**CLAUSE 1 : CO-OPERATION**

- 1.1 Both Parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the **Institution** and its related wings. The Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.
- 1.2 The general terms of co-operation shall be governed by this MOU. The Parties shall cooperate with each other and shall, as promptly as is reasonably practical, enter into all relevant agreements, deeds and documents (the 'Definitive Documents') as may be required to give effect to the actions contemplated in terms of this MOU. The term of Definitive Documents shall be mutually decided between the Parties. Along with the Definitive Documents, this MOU shall represent the entire understanding as to the subject matter hereof and shall supersede any prior understanding between the Parties on the subject matter hereof.

**CLAUSE 2: SCOPE OF THE MOU**

- 2.1 The budding graduates from the institutions could play a key role in research, innovation and competitiveness socially. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their research skills and knowledge.
- 2.2 **Undergraduate project:** Second Party will give valuable inputs to the First Party in undertaking final year project and training suitably to customize the curriculum so that the students fit into the industrial scenario meaningfully. The MOU is considered to be operational after completing minimum three projects in coordination with second party (Office of the Senior Divisional Mechanical Engineer(D) & Environment and Housekeeping Management Department (EnHM)).
- 2.3 **Industrial visit:** Industry and Institution interaction will give an insight into the latest developments / requirements of the industries; the Second Party educates the Faculty and Students of the First Party with respect to visit and other research skills.
- 2.4 **Internship:** Students from First Party with background of interest to Second Party will be able to undergo internship. The department and duration of Internship to the student will be decided by Second Party and it will be mutually agreed between both parties in



*[Handwritten signature]*

- 2.6 **Skill Development Programs:** Second Party to train the students of First Party on the emerging research in order to bridge the gap and make them industry ready.
- 2.7 **Guest Lectures:** Second Party to extend the necessary support to deliver guest lectures to the students of the First Party on the technology trends and in house requirements.
- 2.8 **Faculty Development Programs or Exchange of Faculty:** Second Party to train the Faculties of First Party for imparting research skill as per the requirement considering the National Occupational Standards in concerned sector, if available.
- Also, Faculty of First party can be allowed as a trainer to deliver lectures to second party. Associate member of first-party will visit to discuss technical problem faced by second party. First party may develop special course for Second party employee or new trainee as suggested by second party. This course will be delivered at second party.
- 2.9 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the Programs on the terms specified herein.
- 2.10 There is no financial commitment on the part of the **JSPM Narhe Technical Campus, Narhe, Pune - 411041, India**, the First Party to take up any program mentioned in the MOU. If there is any financial consideration, it will be dealt separately.

### CLAUSE 3: INTELLECTUAL PROPERTY

- 3.1 Nothing contained in this MOU shall, by express grant, implication, Estoppel or otherwise, create in either Party any right, title, interest, or license in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs) of the other Party.

### CLAUSE 4: VALIDITY

- 4.1 This Memorandum of Understanding will become effective on the final date of signing and will have duration of ONE YEARS.
- 4.2 Both Parties may terminate this MOU upon 30 calendar days' notice in writing. In the event of Termination, both parties have to discharge their obligations.

Point of Contact of JSPM NTC: Head, Department of Mechanical Engineering,

head\_mech2@jspmnte.edu.in






### CLAUSE 5: RELATIONSHIP BETWEEN THE PARTIES

- 5.1 It is expressly agreed that JSPM Narhe Technical Campus, Narhe, Pune - 411041, India and Office of the Senior Divisional Mechanical Engineer(D) & Environment and Housekeeping Management Department (EnHM), are acting under this MOU as

व. मं. पार्श्व. प्रमुख  
Sr. DEHM  
मंडल- १२ इन्वेंटक का  
JSPM'S Office, Narhe, Pune - 411041, India  
मुख्य रेल  
RIY.

this MOU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.

**AGREED:**

<p>For and on behalf of Jayawant Shikshan Prasarak Mandal's, JSPM Narhe Technical Campus, Narhe, Pune-411041, India</p>	<p>For and on behalf of Indian Railways, Office of the Sr. DME &amp; EnHM Department, CSTM, Mumbai-400001, India</p>
<p>Name &amp; Signature: Dr. M. M. Sardeshmukh </p>	<p>Name &amp; Signature: Mr. Pulkit Tiwari पु. वि. एम. एच. एम. वि. वि. वि. वि. Sr. DEHM, Mumbai मि. वि. एम. एच. एम. वि. वि. वि. वि. DRM - Office, Mumbai, C.Rly.</p>
<p>Designation: Director, JSPM NTC, Pune</p>	<p>Designation: Sr. DME &amp; EnHM, CSTM, Mumbai Division</p>
<p>Date: 10/04/2024</p>	<p>Date: 10/04/2024</p>
<p>Witness: [1] Dr. Manoj A. Kumbhalkar, Head, Mech. Engg. Dept., JSPM NTC, Pune Signature:  [2] Dr. A. S. Patil Head, Electronics and Telecommunication Dept., JSPM NTC, Pune. Signature: </p>	<p>Witness: [1] Dr. S. A. Chaudhari Dean Engg., JSPM NTC, Pune Signature:  [2] Dr. S. S. Solanki Dean MCA, JSPM NTC, Pune Signature: </p>



## MEMORANDUM OF UNDERSTANDING FOR COLLABORATION

between  
JSPM Narhe Technical Campus, Narhe,  
Pune India(NTC)

and

DMI Draexlmaier Manufacturing India Private Limited,  
Chakan Pune, India (DMI)

Whereas the above named Organizations recognize that collaboration would be of mutual benefit and would provide strengths in research, training and their mutual interest in engaging themselves in cooperation with the **JSPM Narhe Technical Campus, Pune** and **DMI Draexlmaier Manufacturing India Private Limited, Chakan Pune, India**, it is agreed that:

### 1.1 Internship

Students from NTC with background of interest to DMI will be able to undergo internship for One (1) month. The department and duration of Internship to the student will be decided by DMI and it will be mutually agreed between NTC and DMI in advance.

During internship student shall be abide policies, rules and regulations of DMI and allowed to use DMI canteen and bus facility(if seats are available in bus ) free of cost during the term of Internship.

Student will be provided certificate of internship free of cost from DMI.

### 1.2 Undergraduate project :

Students from NTC with background of interest to DMI will be able to undertake final year project under guidance of DMI. Length of project is around one academic year. Duration between students first visit to company to the end project may be around 6 months. During project student will visit DMI once in every week. Supervisor of project student will visit once or twice to DMI to observe progress of project student. During the project period, project student/project supervisor shall be abide policies, rules and regulations of DMI are allowed to use DMI canteen and bus facility(if seats are available in bus ) free of cost. Student will be provided certificate of project completion free of cost from DMI.



Project is an activity to implement knowledge learned during undergraduate course to create or modify machine or system. Its purpose can also be to suggest improvement in existing system after careful and scientific study.

### 1.3 Industrial visit

Students and faculty members from NTC will be allowed to visit DMI facility at Chakan with permission of DMI to see facilities and technologies of DMI.

### 1.4 NTC faculty as Trainer to DMI

Faculty from NTC will be allowed to deliver lectures in training academy developed by DMI. NTC faculty will be interested to associate with DMI for its progress. Associate member will visit to discuss



technical problem faced by DMI. NTC may develop special course for DMI employee or new trainee as suggested by DMI. This course will be delivered at DMI.

### 1.5. Confidentiality Agreement

- a) Project or internship student will take written permission before publishing any data related to DMI. Mentor from DMI will guide to exclude confidence data.
- b) Patent filed with students will be owned by DMI but students name may appear as one of contributor.

### 1.6 Terms of MoU

- a) This Memorandum of Understanding will become effective on the final date of signing and will have duration of **two** years.
- b) This Memorandum of Understanding may be terminated by either party by providing 90 days written notice to the Coordinators listed below.

### Designation of Coordinators

For JSPM Narhe Technical Campus, Narhe, Pune, India	For Draexlmaier Manufacturing India Private Limited, Chakan Pune, India
Name: Dr. S. L. Borse <i>S.L.B</i>	Name: Zisis Rousopoulos <i>Z.R</i>
Title: Professor, JSPM, Pune	Title: Director
Email:- slborse_mech@jspmicoer.edu.in, sachinb@yahoo.co.uk	Email:- Zisis.rousopoulos@draexlmaier.com
Phone:- 8149538399	Phone :- 8830942844

### 1.7 Withdrawal

Either party reserves the right to withdraw/remove a student from an Internship/Project for good cause, unrestrictedly if the student violates any substantive policy, rule or regulation of DMI duly communicated to the student.

### 1.7 Indemnity

NTC shall indemnify and hold harmless to the fullest extent by law to the DMI, their affiliates and their Directors, Partners, Officers, Employees, Shareholders, and Agents, (collectively "Indemnities") from any and all losses, expenses, claims, demands and all other liabilities and costs, incurred in connection with any litigation or other form of adjudicatory procedure, claim, demand, investigation, or formal or informal inquiry (regardless of whether the same is reduced to judgment), or any settlement thereof which arises directly or indirectly from, as a result of, or in connection with the transactions contemplated hereunder, and in pursuance of this MOU including, but not limited to, claims arising out of the breach of any applicable laws or gross negligence or omissions or willful misconduct by NTC, its Affiliates, Students, Trainers, agents.



### 1.8 No Other Rights Granted

Nothing in this MOU is intended to grant any rights under any patent, copyright or other intellectual property rights of DMI in favor of the NTC, nor shall this MOU be construed to grant NTC rights in or to the other parties confidential information, except the limited right to use such confidential information in connection with the project under this MOU with prior permission of DMI.

### 1.9 Assignment

NTC shall not assign/transfer this MOU, directly or indirectly, in whole or in part, without the express, prior written consent of DMI to others.

### Accepted and Agreed

For JSPM Narhe Technical Campus, Narhe, Pune, India	For Draexlmaier Manufacturing India Private Limited, Chakan Pune
Signature 	Signature 
Name: Dr. S. A. Ghosh, Director JSPM Narhe Technical Campus Pune - 411041	Name: Mr. Zisis Rousopoulos Draexlmaier Group
Title: Director	Title: Director
Date:	Date:

### Witness

1. Dr. M. A. Kumbhalkar  
HOD, Mech. Engrg. Dept.  
JSPM NTC, Pune





### Witness

1) Mr. Suyashkumar Mahajan  
Head - Human Resources - India



# MEMORANDUM OF UNDERSTANDING FOR COLLABORATION

between  
JSPM Narhe Technical Campus, Narhe,  
Pune, India(NTC)

and

Global Calibration, Viman Nagar, Pune, India (GC)

Whereas the above named Organizations recognize that collaboration would be of mutual benefit and would provide strengths in research, training and their mutual interest in engaging themselves in cooperation with the JSPM's Narhe Technical Campus, Pune and Global Calibration, Viman Nagar, Pune(GC), it is agreed that:

## 1.1 Short Term Internship

Students from NTC with background of interest to GC will able to undergo internship for One (1) month. During internship students need to visit GC full time for a month as per schedule decided by GC. No stipend will be provided to students during such internship.

Student will be provided certificate of internship free of cost from GC.

## 1.2 Long term internship

Students from NTC with background of interest to GC will able to undergo internship for six months. For long term internship stipend of minimum Rs 5000/month will be paid by GC to student. Place of internship will be MIDC Ranjangaon, Pune. Amount of stipend may be raised based on performance of student.

## 1.3 Undergraduate project :

Students from NTC with background of interest to GC will able to undertake final year project under guidance of GC. Length of project is around one academic year. Duration between students first visit to company to the end project may be around 6 months. During project student will regularly visit GC till completion of project (maximum two months). Supervisor of project student will visit once or twice to GC to observe progress of project student. Student will be provided certificate of project completion free of cost from GC.

Project is an activity to implement knowledge learned during undergraduate course to create or modify machine or system. Its purpose can also be to suggest improvement in existing system after careful and scientific study.

## 1.4 NTC faculty as Trainer to GC

Faculty from NTC will be allowed to deliver lectures in training academy developed by GC. Remuneration to faculty of NTC may be provided suitable remuneration per day. NTC faculty will be requested to associate with GC L for it progress. Associate member will visit to discuss technical problem faced by GC. Associate Member will be paid by GC at rate of Rs 2000 per day. NTC may



develop special course for GC employee or new trainee as suggested by GC. This course will be delivered at GC. Faculty involved will get remuneration as above.

#### 1.5 NTC faculty as preliminary research collaborator to GC

Faculty from NTC will be allowed to collaborate for research which can be interest to GC. In such case GC will sponsor infrastructure needed or allow to use GC facility. Faculty will be paid transport and daily allowance.

#### 1.6 Guest lecture by GC member at NTC

GC member may share her/his knowledge with students and faculty members of NTC through guest lecture. Speaker will be paid Rs 1000 per hour of lecture and transport allowance of Rs 500.

#### 1.7. Confidentiality Agreement

- Project or internship student will take written permission before publishing any data related to GC. Mentor from GC will guide to exclude confidence data.
- Patent filed with students will be owned by GC but students name may appear as one of contributor.

#### 1.8 Terms of MoU



- This Memorandum of Understanding will become effective on the final date of signing and will have duration of three years.
- This Memorandum of Understanding may be terminated by either party by providing 90 days written notice to the Coordinators listed below.

#### Accepted and Agreed



For JSPM's Narhe Technical Campus, Narhe, Pune, India	For Global Calibration, Viman Nagar, Pune, India (GC)
Signature 	Signature 
Name: Dr. S. A. Chaudhary Director, Narhe Technical Campus Narhe, Pune-41	Name: Dr. Janika Malhotra
Title: Director	Title: Quality Manager
Email:- director@jspmntc.edu.in	Email:- gc/pune@globalcalibration
Mobile:- 8380088112	Mobile:- 7085339097
Date:	Date: 23/08/2023



#### Witness

- Dr. Manoj Kumbhalkar  
HOD, Mech. Engg. Dept 
- Dr. S. L. Borde  
Prof., Mech 

#### Witness

-  Dr. Janika Malhotra
- Maheshwar. Tanate 

# MEMORANDUM OF UNDERSTANDING (MOU)

Between

**JSPM Narhe Technical Campus**

Survey No. 12/2/2 & 14/9, Pune Bangalore Highway,

Taluka Haveli, Narhe, Pune-411041, Maharashtra, India



AND

**G2G INNOVATION & VIRTUAL SIMUTECH**

Bavdhan, Pune, Maharashtra 411021



With effective from 15<sup>th</sup> September 2023

## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter called as the 'MOU') is entered on the 15th day of September Two Thousand Twenty Three (15/09/2023).

### BETWEEN

JSPM Narhe Technical Campus, Survey No. 12/2/2 & 14/9, Pune Bangalore Highway, Taluka Haveli, Narhe, Pune-411041, Maharashtra, India(hereinafter referred as "First Party", the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

### AND

G2G INNOVATION & VIRTUAL SIMUTECH Bavdhan, Pune, Maharashtra 411021.

(hereinafter referred to as "Second Party", company which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party')

### WHEREAS:

- A) First Party is a Higher Educational Institution named JSPM Narhe Technical Campus, Narhe, Pune - 411041, India.
- B) First Party and Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.
- C) The Parties intent to cooperate and focus their efforts on cooperation within area of Knowledge sharing, Education and Research.
- D) Both Parties, being legal entities in themselves desire to sign this MOU for advancing their mutual interest.

E G2G INNOVATION & VIRTUAL SIMUTECH Bavdhan, Pune, Maharashtra

411021. the Second Party is engaged in has believed ininspiring individuals to become a

brand. They are here to build a community where influences and brands connect, collaborate

and contribute to the digital space. The campaigns will provide with a positive impact

visibility, Reach and Revenue.



NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:

**CLAUSE 1 : CO-OPERATION**

- 1.1 Both Parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the Institution and its related wings. The Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.
- 1.2 The general terms of co-operation shall be governed by this MOU. The Parties shall cooperate with each other and shall, as promptly as is reasonably practical, enter into all relevant agreements, deeds and documents (the 'Definitive Documents') as may be required to give effect to the actions contemplated in terms of this MOU. The term of Definitive Documents shall be mutually decided between the Parties. Along with the Definitive Documents, this MOU shall represent the entire understanding as to the subject matter hereof and shall supersede any prior understanding between the Parties on the subject matter hereof.

**CLAUSE 2: SCOPE OF THE MOU**

- 2.1 The budding graduates from the institutions could play a key role in research, innovation and competitiveness socially. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their research skills and knowledge.
- 2.2 **Undergraduate project:** Second Party will give valuable inputs to the First Party in undertaking final year project and training suitably to customize the curriculum so that the students fit into the industrial scenario meaningfully.
- 2.3 **Industrial visit:** Industry and Institution interaction will give an insight into the latest developments / requirements of the industries; the Second Party educates the Faculty and Students of the First Party with respect to visit and other research skills.
- 2.4 **Internship:** Students from First Party with background of interest to Second Party will be able to undergo internship. The department and duration of Internship to the student will be decided by Second Party and it will be mutually agreed between both parties in advance. During internship student shall abide policies, rules and regulations of second party.

Student will be provided certificate of internship from second party.

- 2.5 **Research and Development:** Both Parties have agreed to carry out the joint research activities which include collaborative projects between both parties.

**Skill Development Programs:** Second Party to train the students of First Party on the emerging research in order to bridge the gap and make them industry ready.



2.7 **Guest Lectures:** Second Party to extend the necessary support to deliver guest lectures to the students of the First Party on the technology trends and in house requirements.

2.8 **Faculty Development Programs or Exchange of Faculty:** Second Party to train the Faculties of First Party for imparting research skill as per the requirement considering the National Occupational Standards in concerned sector, if available.

Also, Faculty of First party can be allowed as a trainer to deliver lectures to second party. Associate member of first party will visit to discuss technical problem faced by second party. First party may develop special course for Second party employee or new trainee as suggested by second party. This course will be delivered at second party.

2.9 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the Programs on the terms specified herein.

2.10 There is no financial commitment on the part of the JSPM Narhe Technical Campus, Narhe, Pune - 411041, India, the First Party to take up any program mentioned in the MOU. If there is any financial consideration, it will be dealt separately.

### CLAUSE 3: INTELLECTUAL PROPERTY

3.1 Nothing contained in this MOU shall, by express grant, implication, Estoppel or otherwise, create in either Party any right, title, interest, or license in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs) of the other Party.

### CLAUSE 4: VALIDITY

4.1 This Memorandum of Understanding will become effective on the final date of signing and will have duration of THREEE YEARS.

4.2 Both Parties may terminate this MOU. In the event of Termination, both parties have to discharge their obligations.

Point of Contact of JSPM NTC: Head, Department of Mechanical Engineering,

head\_mech2@jspmntc.edu.in

### CLAUSE 5: RELATIONSHIP BETWEEN THE PARTIES

5.1 It is expressly agreed that JSPM Narhe Technical Campus, Narhe, Pune - 411041, India and G2G INNOVATION & VIRTUAL SIMUTECH Bavdhan, Pune, Maharashtra 411021, India are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership. Neither Party is authorized to use the other Party's name in any way, to make any representations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have, nor represent itself as having, any authority under the terms of this MOU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.





AGREED:

For and on behalf of JSPM Narhe Technical Campus, Narhe, Pune - 411041, India	For and on behalf of G2G INNOVATION & VIRTUAL SIMUTECH
Name and Signature: Dr. S. A. Choudhari 	Name and Signature:  Sushil Bhagat
Designation: Director, JSPM NTC, Pune	Designation: Director
Date: 15/09/23	Date: 15/sep/23
Witness: [1] Dr. Manoj A. Kumbhalkar, Head, Mech. Engg. Dept., JSPM NTC, Pune Signature:  [2] Vandana R. Asst. Prof. Mechanical Signature: 	Witness: [1] Laxmiputra C. Mumbale  Signature: [2] Kamishka Jain  Signature: 



# MEMORANDUM OF UNDERSTANDING (MOU)

Between

**JSPM Narhe Technical Campus**

Survey No. 12/2/2 & 14/9, Pune Bangalore Highway,  
Taluka Haveli, Narhe, Pune-411041, Maharashtra, India



AND

**Jannhavi Filters**

Survey No 36, Hissa No 1/1, Near Hotel Green Fields, Pune Sinhgad  
Road, Pune 411041



With effective from 15<sup>th</sup> September 2023

## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter called as the 'MOU') is entered on the 15<sup>th</sup> day of September Two Thousand Twenty Three (15/09/2023).

### BETWEEN

JSPM Narhe Technical Campus, Survey No. 12/2/2 & 14/9, Pune Bangalore Highway, Taluka Havelli, Narhe, Pune-411041, Maharashtra, India(hereinafter referred as "First Party", the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

### AND

Jannhavi Filters, Survey No 36, Hissa No 1/1, Near Hotel Green Fields, Sinhgad Road, Pune 411041(hereinafter referred to as "Second Party", company which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party')

### WHEREAS:

- A) First Party is a Higher Educational Institution named JSPM Narhe Technical Campus, Narhe, Pune - 411041, India.
- B) First Party and Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.
- C) The Parties intent to cooperate and focus their efforts on cooperation within area of Knowledge sharing, Education and Research.
- D) Both Parties, being legal entities in themselves desire to sign this MOU for advancing their mutual interest.
- E) Jannhavi Filters, Sinhgad Road, Pune 411041the Second Party is engaged in has believed in inspiring individuals to become a brand. They are here to build a community where influences and brands connect, collaborate and contribute to the digital space. The campaigns will provide with a positive impact on Volume, Visibility, Reach and Revenue.



NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:

**CLAUSE 1 : CO-OPERATION**

- 1.1 Both Parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the Institution and its related wings. The Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.
- 1.2 The general terms of co-operation shall be governed by this MOU. The Parties shall cooperate with each other and shall, as promptly as is reasonably practical, enter into all relevant agreements, deeds and documents (the 'Definitive Documents') as may be required to give effect to the actions contemplated in terms of this MOU. The term of Definitive Documents shall be mutually decided between the Parties. Along with the Definitive Documents, this MOU shall represent the entire understanding as to the subject matter hereof and shall supersede any prior understanding between the Parties on the subject matter hereof.

**CLAUSE 2: SCOPE OF THE MOU**

- 2.1 The budding graduates from the institutions could play a key role in research, innovation and competitiveness socially. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their research skills and knowledge.
- 2.2 **Undergraduate project:** Second Party will give valuable inputs to the First Party in undertaking final year project and training suitably to customize the curriculum so that the students fit into the industrial scenario meaningfully.
- 2.3 **Industrial visit:** Industry and Institution interaction will give an insight into the latest developments / requirements of the industries; the Second Party educates the Faculty and Students of the First Party with respect to visit and other research skills.
- 2.4 **Internship:** Students from First Party with background of interest to Second Party will be able to undergo internship. The department and duration of Internship to the student will be decided by Second Party and it will be mutually agreed between both parties in advance. During internship student shall abide policies, rules and regulations of second party.

Student will be provided certificate of internship from second party.



**Research and Development:** Both Parties have agreed to carry out the joint research activities which include collaborative projects between both parties.

**Skill Development Programs:** Second Party to train the students of First Party on the emerging research in order to bridge the gap and make them industry ready.

- 2.7 **Guest Lectures:** Second Party to extend the necessary support to deliver guest lectures to the students of the First Party on the technology trends and in house requirements.
- 2.8 **Faculty Development Programs or Exchange of Faculty:** Second Party to train the Faculties of First Party for imparting research skill as per the requirement considering the National Occupational Standards in concerned sector, if available.
- Also, Faculty of First party can be allowed as a trainer to deliver lectures to second party. Associate member of first party will visit to discuss technical problem faced by second party. First party may develop special course for Second party employee or new trainee as suggested by second party. This course will be delivered at second party.
- 2.9 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the Programs on the terms specified herein.
- 2.10 There is no financial commitment on the part of the **JSPM Narhe Technical Campus, Narhe, Pune - 411041, India**, the First Party to take up any program mentioned in the MOU. If there is any financial consideration, it will be dealt separately.

### **CLAUSE 3: INTELLECTUAL PROPERTY**

- 3.1 Nothing contained in this MOU shall, by express grant, implication, Estoppel or otherwise, create in either Party any right, title, interest, or license in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs) of the other Party.

### **CLAUSE 4: VALIDITY**

- 4.1 This Memorandum of Understanding will become effective on the final date of signing and will have duration of **THREEE YEARS**.
- 4.2 Both Parties may terminate this MOU. In the event of Termination, both parties have to discharge their obligations.




Point of Contact of JSPM NTC: Head, Department of Mechanical Engineering,  
head\_mech2@jspmntc.edu.in

### **CLAUSE 5: RELATIONSHIP BETWEEN THE PARTIES**

- 5.1 It is expressly agreed that **JSPM Narhe Technical Campus, Narhe, Pune - 411041, India** and **Jannhavi Filters, Sinhgad Road, Pune 411041** are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership. Neither Party is authorized to use the other Party's name in any way, to make any representations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have, nor represent itself as having, any authority under the MOU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other



AGREED:

For and on behalf of JSPM Narhe Technical Campus, Narhe, Pune - 411041, India	For and on behalf of Jannhavi Filters, Sinhgad Road, Pune 411041
Name and Signature: Dr. S. A. Choudhari 	Name and Signature: GURUPRASAD R. DAWI 
Designation: Director, JSPM NTC, Pune	Designation: Manager
Date:	Date: 15/09/2023
Witness: [1] Dr. Manoj A. Kumbhalkar, Head, Mech. Engg. Dept., JSPM NTC, Pune Signature:  [2]	Witness: [1]  Signature: [2]  Signature:



# MEMORANDUM OF UNDERSTANDING (MOU)

Between

**JSPM Narhe Technical Campus**

Survey No. 12/2/2 & 14/9, Pune Bangalore Highway,  
Taluka Haveli, Narhe, Pune-411041, Maharashtra, India



AND

**Craft And Technik Industries**

S. No. 29, 10-12, Narhe Ambegaon Rd, Dhayari, Pune, Maharashtra

411041



With effective from 15<sup>th</sup> September 2023

## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter called as the 'MOU') is entered on the 15th day of September Two Thousand Twenty Three (15/09/2023).

### BETWEEN

JSPM Narhe Technical Campus, Survey No. 12/2/2 & 14/9, Pune Bangalore Highway, Taluka Haveli, Narhe, Pune-411041, Maharashtra, India(hereinafter referred as "First Party", the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

### AND

Craft And Technik Industries, S. No. 29, 10-12, Narhe Ambegaon Rd, Dhayari, Pune, Maharashtra 411041, INDIA.(hereinafter referred to as "Second Party", company which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party')

### WHEREAS:

- A) First Party is a Higher Educational Institution named JSPM Narhe Technical Campus, Narhe, Pune - 411041, India.
- B) First Party and Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.
- C) The Parties intent to cooperate and focus their efforts on cooperation within area of Knowledge sharing, Education and Research.
- D) Both Parties, being legal entities in themselves desire to sign this MOU for advancing their mutual interest.
- E) Craft And Technik Industries,Pune-411041, Maharashtra, India the Second Party is engaged in has believed in inspiring individuals to become a brand. They are here to build a community where influences and brands connect, collaborate and contribute to the digital space. The campaigns will provide with a positive impact on Volume, Quality, Reach and Revenue.





NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:

**CLAUSE 1 : CO-OPERATION**

- 1.1 Both Parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the Institution and its related wings. The Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.
- 1.2 The general terms of co-operation shall be governed by this MOU. The Parties shall cooperate with each other and shall, as promptly as is reasonably practical, enter into all relevant agreements, deeds and documents (the 'Definitive Documents') as may be required to give effect to the actions contemplated in terms of this MOU. The term of Definitive Documents shall be mutually decided between the Parties. Along with the Definitive Documents, this MOU shall represent the entire understanding as to the subject matter hereof and shall supersede any prior understanding between the Parties on the subject matter hereof.

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- 2.1 The budding graduates from the institutions could play a key role in research, innovation and competitiveness socially. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their research skills and knowledge.
- 2.2 **Undergraduate project:** Second Party will give valuable inputs to the First Party in undertaking final year project and training suitably to customize the curriculum so that the students fit into the industrial scenario meaningfully.
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- 4.1 This Memorandum of Understanding will become effective on the final date of signing and will have duration of THREEE YEARS.
- 4.2 Both Parties may terminate this MOU. In the event of Termination, both parties have to discharge their obligations.







Point of Contact of JSPM NTC: Head, Department of Mechanical Engineering,

head\_mech2@jspmntc.edu.in

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AGREED:

For and on behalf of JSPM Narhe Technical Campus, Narhe, Pune - 411041, India	For and on behalf of Craft And Technik Industries
Name and Signature: Dr. S. A. Choudhari 	Name and Signature:  Vishal Nerkar
Designation: Director, JSPM NTC, Pune	Designation: Manager - Finance
Date:	Date: 26/10/23
Witness: [1] Dr. Manoj A. Kumbhalkar, Head, Mech. Engg. Dept., JSPM NTC, Pune Signature:  [2]	Witness: [1] Amruta Sawant Signature:  [2]
Signature: 	Signature: 

# MEMORANDUM OF UNDERSTANDING (MOU)

Between

**JSPM Narhe Technical Campus**

Survey No. 12/2/2 & 14/9, Pune Bangalore Highway,  
Taluka Haveli, Narhe, Pune-411041, Maharashtra, India



AND

**Prime Industries Limited**

Shade No.4, Survey No. 28/25 Dugane Ind Estate, Benkar Mala Near  
Soham Gas, Dhayri Pune - 411041, Maharashtra, India.



With effective from 15<sup>th</sup> September 2023

## MEMORANDUM OF UNDERSTANDING

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- D) Both Parties, being legal entities in themselves desire to sign this MOU for advancing their mutual interest.
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Point of Contact of JSPM NTC: Head, Department of Mechanical Engineering,

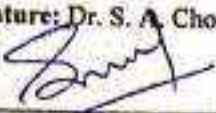


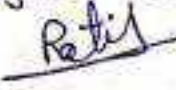


[head\\_mech2@jspmntc.edu.in](mailto:head_mech2@jspmntc.edu.in)

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AGREED:

For and on behalf of JSPM Narhe Technical Campus, Narhe, Pune - 411041, India	For and on behalf of Prime Industries Limited, Dhayri Pune - 411041, Maharashtra, India.
Name and Signature: Dr. S. A. Choudhari 	Name and Signature:  Neelash Tonmare
Designation: Director, JSPM NTC, Pune	Designation: Proprietor
Date:	Date: 15-09-2023
Witness: [1] Dr. Manoj A. Kumbhalkar, Head, Mech. Engg. Dept., JSPM NTC, Pune Signature:  [2]	Witness: [1] Rajesh Patel  Signature: [2]
Signature: 	Signature: 



# MEMORANDUM OF UNDERSTANDING (MOU)

Between

**JSPM Narhe Technical Campus**

Survey No. 12/2/2 & 14/9, Pune Bangalore Highway,  
Taluka Haveli, Narhe, Pune-411041, Maharashtra, India



AND

**Xtreme Engineering Equipment Private Limited**

Survey No. 37/02, Ashtavinayak Industrial Estate, Parvati Nagar,  
Dhayari Narhe Road Pune - 411041, Maharashtra, India



**With effective from 15<sup>th</sup> September 2023**

From 15 September 2023

## MEMORANDUM OF UNDERSTANDING

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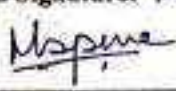




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AGREED:

For and on behalf of JSPM Narhe Technical Campus, Narhe, Pune - 411041, India	For and on behalf of Xtreme Engineering Equipment Private Limited, Dhayari Narhe Road Pune - 411041, Maharashtra, India
Name and Signature: Dr. S. A. Choudhari 	Name and Signature: Mahesh Pene 
Designation: Director, JSPM NTC, Pune	Designation: (Director)
Date:	Date:
Witness: [1] Dr. Manoj A. Kumbhalkar, Head, Mech. Engg. Dept., JSPM NTC, Pune Signature:  [2]	Witness: [1] Nishu Sawant Signature: [2] 
Signature:	Signature:



# MEMORANDUM OF UNDERSTANDING (MOU)

Between

**JSPM Narhe Technical Campus**

Survey No. 12/2/2 & 14/9, Pune Bangalore Highway,  
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AND

**SV TECH ENGINEERING CONSULTANTS**

H Block, MIDC, Chinchwad, Pimpri-Chinchwad, Maharashtra 411019



With effective from 15<sup>th</sup> September 2023

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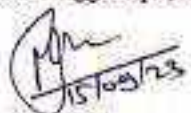

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AGREED:

For and on behalf of JSPM Narhe Technical Campus, Narhe, Pune - 411041, India	For and on behalf of SV TECH ENGINEERING CONSULTANTS PVT.LTD
Name and Signature: Dr. S.A. Choudhari 	Name and Signature: Vaibhav Bhasale 
Designation: Director, JSPM NTC, Pune	Designation: Director
Date:	Date: 15/09/2023
Witness: [1] Dr. Manoj A. Kumbhalkar, Head, Mech. Engg. Dept., JSPM NTC, Pune Signature:  [2]	Witness: [1] Signature: [2]
Signature: 	Signature:

# MEMORANDUM OF UNDERSTANDING (MOU)

Between

**JSPM Narhe Technical Campus**

Survey No. 12/2/2 & 14/9, Pune Bangalore Highway,

Taluka Haveli, Narhe, Pune-411041, Maharashtra, India



AND

**Cosmic Refrigeration Pvt.Ltd.**

Sec 2 S. No 25/4, Dhayari, Narhe Industrial Estate Rd, Narhe, Pune,

Maharashtra 411041.

# COSMIC

With effective from 15<sup>th</sup> September 2023

## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter called as the 'MOU') is entered on the 15th day of September Two Thousand Twenty Three (15/09/2023).

### BETWEEN

JSPM Narhe Technical Campus, Survey No. 12/2/2 & 14/9, Pune Bangalore Highway, Taluka Haveli, Narhe, Pune-411041, Maharashtra, India (hereinafter referred as "First Party", the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

### AND

Cosmic Refrigeration Pvt.Ltd. Sec 2 S. No 25/4, Dhayari, Narhe Industrial Estate Rd, Narhe, Pune, Maharashtra 411041, INDIA. (hereinafter referred to as "Second Party", company which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns). (First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party')

### WHEREAS:

- A) First Party is a Higher Educational Institution named JSPM Narhe Technical Campus, Narhe, Pune - 411041, India.
- B) First Party and Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.
- C) The Parties intent to cooperate and focus their efforts on cooperation within area of Knowledge sharing, Education and Research.
- D) Both Parties, being legal entities in themselves desire to sign this MOU for advancing their mutual interest.
- E) Cosmic Refrigeration Pvt.Ltd. Sec 2 S. No 25/4, Dhayari, Narhe Industrial Estate Rd, Narhe, Pune, Maharashtra 411041, INDIA. the Second Party is engaged in has believed in inspiring individuals to become a brand. They are here to build a community where influences and brands connect, collaborate and contribute to the digital space. The campaigns will provide with a positive impact on Volume, Visibility, Reach and Revenue.



NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:

**CLAUSE 1 : CO-OPERATION**

- 1.1 Both Parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the Institution and its related wings. The Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.
- 1.2 The general terms of co-operation shall be governed by this MOU. The Parties shall cooperate with each other and shall, as promptly as is reasonably practical, enter into all relevant agreements, deeds and documents (the 'Definitive Documents') as may be required to give effect to the actions contemplated in terms of this MOU. The term of Definitive Documents shall be mutually decided between the Parties. Along with the Definitive Documents, this MOU shall represent the entire understanding as to the subject matter hereof and shall supersede any prior understanding between the Parties on the subject matter hereof.

**CLAUSE 2: SCOPE OF THE MOU**

- 2.1 The budding graduates from the institutions could play a key role in research, innovation and competitiveness socially. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their research skills and knowledge.
- 2.2 **Undergraduate project:** Second Party will give valuable inputs to the First Party in undertaking final year project and training suitably to customize the curriculum so that the students fit into the industrial scenario meaningfully.
- 2.3 **Industrial visit:** Industry and Institution interaction will give an insight into the latest developments / requirements of the industries; the Second Party educates the Faculty and Students of the First Party with respect to visit and other research skills.
- 2.4 **Internship:** Students from First Party with background of interest to Second Party will be able to undergo internship. The department and duration of Internship to the student will be decided by Second Party and it will be mutually agreed between both parties in advance. During internship student shall abide policies, rules and regulations of second party.

Student will be provided certificate of internship from second party.

**Research and Development:** Both Parties have agreed to carry out the joint research activities which include collaborative projects between both parties.

**2.5 Skill Development Programs:** Second Party to train the students of First Party on the emerging research in order to bridge the gap and make them industry ready.



- 2.7 **Guest Lectures:** Second Party to extend the necessary support to deliver guest lectures to the students of the First Party on the technology trends and in house requirements.
- 2.8 **Faculty Development Programs or Exchange of Faculty:** Second Party to train the Faculties of First Party for imparting research skill as per the requirement considering the National Occupational Standards in concerned sector, if available.
- Also, Faculty of First party can be allowed as a trainer to deliver lectures to second party. Associate member of first party will visit to discuss technical problem faced by second party. First party may develop special course for Second party employee or new trainee as suggested by second party. This course will be delivered at second party.
- 2.9 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the Programs on the terms specified herein.
- 2.10 There is no financial commitment on the part of the JSPM Narhe Technical Campus, Narhe, Pune - 411041, India, the First Party to take up any program mentioned in the MOU. If there is any financial consideration, it will be dealt separately.

### CLAUSE 3: INTELLECTUAL PROPERTY

- 3.1 Nothing contained in this MOU shall, by express grant, implication, Estoppel or otherwise, create in either Party any right, title, interest, or license in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs) of the other Party.

### CLAUSE 4: VALIDITY

- 4.1 This Memorandum of Understanding will become effective on the final date of signing and will have duration of THREEE YEARS.
- 4.2 Both Parties may terminate this MOU. In the event of Termination, both parties have to discharge their obligations. Point of Contact of JSPM NTC: Head, Department of Mechanical Engineering,




head\_mech2@jspmntc.edu.in

### CLAUSE 5: RELATIONSHIP BETWEEN THE PARTIES

- 5.1 It is expressly agreed that JSPM Narhe Technical Campus, Narhe, Pune - 411041, India and Cosmie Refrigeration Pvt.Ltd. Sec 2 S. No 25/4, Dhayari, Narhe Industrial Estate Rd, Narhe, Pune, Maharashtra 411041. are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership. Neither Party is authorized to use the other Party's name in any way, to make any representations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have or represent itself as having, any authority under the terms of this MOU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit or to extend credit on behalf of the other Party.



AGREED:

For and on behalf of JSPM Narhe Technical Campus, Narhe, Pune - 411041, India	For and on behalf of Cosmic Refrigeration Pvt.Ltd.
Name and Signature: Dr. S. A. Choudhari 	Name and Signature: <i>A.P. Sawant</i> Anita Sawant.
Designation: Director, JSPM NTC, Pune	Designation: Project Co-ordinator.
Date:	Date: 15/09/2023
Witness: [1] Dr. Manoj A. Kumbalkar, Head, Mech. Engg. Dept., JSPM NTC, Pune Signature:  [2]	Witness: [1]  Signature: [2]  Signature: 



# **MEMORANDUM OF UNDERSTANDING (MOU)**

**Between**

**JSPM Narhe Technical Campus**

Survey No. 12/2/2 & 14/9, Pune Bangalore Highway,

Taluka Haveli, Narhe, Pune-411041, Maharashtra, India



**AND**

**Ergomatic Automation India Private Limited.**

Gat No. 728/B, Ground Floor, Jaywant Industrial Estate, Pune Bangalore

Highway, Velu, Bhor

Pune - 412205, Maharashtra, India



**With effective from 15<sup>th</sup> September 2023**



## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter called as the 'MOU') is entered on the 15th day of September Two Thousand Twenty Three (15/09/2023).

### BETWEEN

JSPM Narhe Technical Campus, Survey No. 12/2/2 & 14/9, Pune Bangalore Highway, Taluka Haveli, Narhe, Pune-411041, Maharashtra, India(hereinafter referred as "First Party", the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

### AND

Ergomatic Automation India Private Limited., Gat No 728/B, Ground Floor, Jaywant Industrial Estate, Pune Bangalore Highway, Velu, Bhor Pune - 412205, Maharashtra, India.(hereinafter referred to as "Second Party", company which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party')

### WHEREAS:

- A) First Party is a Higher Educational Institution named **JSPM Narhe Technical Campus, Narhe, Pune - 411041, India.**
- B) First Party and Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.
- C) The Parties intent to cooperate and focus their efforts on cooperation within area of Knowledge sharing, Education and Research.
- D) Both Parties, being legal entities in themselves desire to sign this MOU for advancing their mutual interest.
- E) **Ergomatic Automation India Private Limited, Pune-411041, Maharashtra, India** the Second Party is engaged in has believed in inspiring individuals to become a brand. They are here to build a community where influences and brands connect, collaborate and contribute to the digital space. The campaigns will provide with a positive impact \ on **Quality, Reach and Revenue.**



**NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:**

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- 1.1 Both Parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the Institution and its related wings. The Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.
- 1.2 The general terms of co-operation shall be governed by this MOU. The Parties shall cooperate with each other and shall, as promptly as is reasonably practical, enter into all relevant agreements, deeds and documents (the 'Definitive Documents') as may be required to give effect to the actions contemplated in terms of this MOU. The term of Definitive Documents shall be mutually decided between the Parties. Along with the Definitive Documents, this MOU shall represent the entire understanding as to the subject matter hereof and shall supersede any prior understanding between the Parties on the subject matter hereof.

**CLAUSE 2: SCOPE OF THE MOU**

- 2.1 The budding graduates from the institutions could play a key role in research, innovation and competitiveness socially. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their research skills and knowledge.
- 2.2 **Undergraduate project:** Second Party will give valuable inputs to the First Party in undertaking final year project and training suitably to customize the curriculum so that the students fit into the industrial scenario meaningfully.
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Student will be provided certificate of internship from second party.

**Research and Development:** Both Parties have agreed to carry out the joint research activities which include collaborative projects between both parties.

- 2.6 **Skill Development Programs:** Second Party to train the students of First Party on the emerging research in order to bridge the gap and make them industry ready.

2.7 **Guest Lectures:** Second Party to extend necessary support to deliver guest lectures to the students of the First Party on the technology trends and in house requirements.

2.8 **Faculty Development Programs or Exchange of Faculty:** Second Party to train the Faculties of First Party for imparting research skill as per the requirement considering the National Occupational Standards in concerned sector, if available.

Also, Faculty of First party can be allowed as a trainer to deliver lectures to second party. Associate member of first party will visit to discuss technical problem faced by second party. First party may develop special course for Second party employee or new trainee as suggested by second party. This course will be delivered at second party.

2.9 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the Programs on the terms specified herein.

2.10 There is no financial commitment on the part of the **JSPM Narhe Technical Campus, Narhe, Pune - 411041, India**, the First Party to take up any program mentioned in the MOU. If there is any financial consideration, it will be dealt separately.

### **CLAUSE 3: INTELLECTUAL PROPERTY**

3.1 Nothing contained in this MOU shall, by express grant, implication, Estoppel or otherwise, create in either Party any right, title, interest, or license in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs) of the other Party.

### **CLAUSE 4: VALIDITY**

4.1 This Memorandum of Understanding will become effective on the final date of signing and will have duration of **THREEE YEARS**.

4.2 Both Parties may terminate this MOU. In the event of Termination, both parties have to discharge their obligations.

Point of Contact of JSPM NTC: Head, Department of Mechanical Engineering,

head\_mech2@jspmntc.edu.in


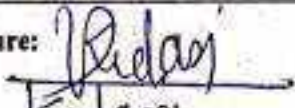



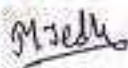
### **CLAUSE 5: RELATIONSHIP BETWEEN THE PARTIES**

5.1 It is expressly agreed that **JSPM Narhe Technical Campus, Narhe, Pune - 411041, India** and **Ergomatic Automation India Private Limited, Pune-411041, Maharashtra, India** are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership. Neither Party is authorized to use the other Party's name in any way, to make any

presentations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall nor represent itself as having, any authority under the terms of this MOU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.



AGREED:

For and on behalf of JSPM Narhe Technical Campus, Narhe, Pune - 411041, India	For and on behalf of Ergomatic Automation India Private Limited.
Name and Signature: Dr. S. A. Choudhari 	Name and Signature:  Umesh Kedam
Designation: Director, JSPM NTC, Pune	Designation: Director 
Date:	Date: 08/11/2023
Witness: [1] Dr. Manoj A. Kumbhalkar, Head, Mech. Engg. Dept., JSPM NTC, Pune Signature:  [2] Signature: 	Witness: [1] Munsri Nitin Jedhe. Signature:  [2] Signature:

# MEMORANDUM OF UNDERSTANDING

BETWEEN



**Small Training Center, Pune Zone ,M.S.E.D.C.L,  
(Institute of Training & Safety, Eklahare, Nashik-422 105)**

AND



**Jayawant Shikshan Prasark Mandal's  
JSPM Narhe Technical Campus,  
Narhe-Pune**

Date: 3/08/2023

## Memorandum of Understanding (MoU)



where as, JSPM's Narhe Technical Campus, Department of Computer Engineering department aims at providing high quality education and to nurture the students all around.

And



where as, **Maharashtra State Electricity Distribution Company Limited (MSEDCL)**, also known as MAHAVITARAN is engaged in supplies electricity to a 2.30 core consumers all over Maharashtra. As the largest public sector Electricity Distribution Company in the State and in Asia, Mahavitaran plays an important role in the power scenario of Maharashtra. Primary function on MSEDCL is to develop and maintain efficient, co-ordinated and economical distribution system and providing quality electric supply to consumers. It is necessary to inculcate exceptional leadership, professional competencies, commercial acumen, team building, changing attitude, developing work culture and enhancing safety standard among the work force.

As per organization training Policy, the various training activities carried out in our Institute.

The Department of Training and Safety, has situated in serene atmosphere at Eklahare, training arm of MSEDCL, is accredited by **Central electricity Authority (CEA) "A" grade under Ministry of Power, Government of India**. It imparts Residential Orientation; Induction & Need based Training to Engineers, Staff from Human Resources, Finance & Account cell and vigilance & legal cell.

There are four Regional Training Centers at Nashik, Aurangabad, Sangli & Amravati and there are 25 Small Training Centers at district level for conduction of one day Safety Seminar for employees and Public for Safety Awareness.

Under the National Training Program, the Department of Training & Safety is also a partner-training institute recognized by Power Finance Corporation (PFC) and Rural Electrification Corporation (REC). The Memorandum of Agreement (MoA) made between REC and institute of Training & Safety, MSEDCL for conduct of C&D employees training program during 2013-2017.

## SCOPE OF THE MOU

This MOU details the modalities and general conditions regarding collaboration between, JSPM's Narhe Technical Campus, Department of Computer Engineering and Small Training Center, M.S.E.D.C.L. Pune Zone ( Institute of Training & safety), for enhancing, the availability of highly qualified manpower in the areas of Electrical without any prejudice to prevailing rules and regulations in JSPM Narhe Technical Campus, Computer Engineering Department and M.S.E.D.C.L. Institute of Training & safety. The areas of cooperation can be extended through mutual consent.

## SCOPE AND TERMS OF INTERACTIONS

Jayawant Shikshan Prasarak Mandal's JSPM's Narhe Technical Campus, Department of Computer Engineering And Small Training Center, M.S.E.D.C.L. Pune Zone (Institute of Training & safety) shall encourage interactions between the Engineers, Research fellows, faculty members and students of both the organizations through the following arrangements:

- a) Exchange of personnel through deputation for special subject periods.
- b) Organization of Joint conferences and seminars, Industrial visits, Expert lectures etc. Monitor process of organizing industry based projects for JSPM's Narhe Technical Campus, Department of Computer Engineering students.
- c) Practical training of Students/Staff of JSPM's Narhe Technical Campus, Department of Computer Engineering at M.S.E.D.C.L. Institute of Training & safety.
- d) MSEDCL may request to design a Course or Courses to enhance quality and performance of its employees. Such Courses may be run at any mutually convenient premises.
- e) MSEDCL may seek assistance/guidance of JSPM's Narhe Technical Campus, Department of Computer Engineering.
- f) JSPM's Narhe Technical Campus, department of Computer Engineering would arrange discussion sessions for the staff and students, which will help to design its Syllabus, Vision & Mission of the Institute & Departments, Program Objectives, Course Outcomes/Objectives according to the current requirement of the MSEDCL, as well as design various certificates and diploma courses for the requirement of MSEDCL.

## SHARING OF FACILITIES

- a) JSPM's Narhe Technical Campus, department of Computer Engineering and MSEDCL shall make provisions to share their respective important R&D facilities & Infrastructure in order to promote academic and research interaction in the areas of co-operation.
- b) JSPM's Narhe Technical Campus, department of Computer Engineering and MSEDCL shall provide access to the library facilities to scientists' members of faculty and students as per the prevailing rules and norms in the respective institutes.

## CO-ORDINATION OF THE PROGRAMME INCLUDING FINANCIAL ARRANGEMENTS

- a) The collaborative program between JSPM's Narhe Technical Campus, department of Computer Engineering and MSEDCL shall be coordinated by a coordination committee appointed by both the Institutes.
- b) The expenses i.e. cost of Travelling Allowances, Dearness allowances and cost of stay of the faculty (if any) for expert lectures will be taken care by respective Institute.

## EFFECTIVE DATE AND DURATION OF MOU

- a) This MOU shall be effective from the date of signing by competent authorities at both ends.
- b) The duration of the MOU shall be for a period of **three years** from the effective date.
- c) The MOU may be extended or terminated by a prior notice of not less than **three months** by either party or mutually specifically disclosing the intension to withdraw from MoU. However, termination of the MOU will not in any manner affect the interests of the students/faculty/scientists who have been admitted to pursue a program under the MoU.
- d) Any clause or article of the MOU may be modified or amended by mutual agreement of MSEDCL and JSPM Narhe Technical Campus, Department of Computer Engineering

## MISCELLANEOUS

### The MoU is purely Knowledge sharing base.

- a) JSPM's Narhe Technical Campus, Narhe, Department of Computer Engineering and MSEDCL shall not, during the term of this agreement directly or indirectly, solicit or offer employment or engagement to any of the personnel of other party.
- b) After this agreement has been signed, the exercise shall be taken in co-ordination with each other.



IN WITNESS WHERE OF PARTIES HERE TO HAVE ENTERED INTO THIS AGREEMENT  
EFFECTIVE AS ON THE DATE AND YEAR FIRST WRITTEN ABOVE.



**Director,**  
Dr.S.A.Choudhari  
JSPM's Narhe Technical Campus,Narhe

**Head Of Department,**  
Dr.Nisha A Auti,  
JSPM Narhe Technical Campus,Narhe



**Chief Engineer,**  
M.S.E.D.C.L,  
Pune Zone.

( Rajendra Pawar )  
Chief Engineer  
Maharashtra State Electricity Commission Ltd.  
Pune Zone, Rasta Belh, Pune- 11.

Witness -

1.

2.

Date:-

Witness-

1.

2.

Date:-

1. Dr - S. R. Patani 3/2/23



#### MEMORANDUM OF UNDERSTANDING (MOU)

1. This MOU is being executed for TOP IT ACADEMY in between JSPM NARHE TECHNICAL CAMPUS Resource Partner "and TOP IT ACADEMY hence known as "Training Partner" situated at Pune.
2. As per the agreement TOP IT ACADEMY (Training Partner) shall bundle one year license for TOP IT ACADEMY to college student along with the one faculty training to be provided by the TOP IT ACADEMY Pune.
3. JSPM NARHE TECHNICAL CAMPUS (Resource Partner) will provide the necessary infrastructure like lab. (s) with computer, LCD projector(s), internet etc. required for the TOP IT ACADEMY for the purpose of training.
4. College Resource Partner would allocate appropriate time slots within the academic schedule for the various training programs offered by the Training Partner TOP IT ACADEMY.
5. The tenure of the contract would be as per the signing date for one year. In the contract Next year will be renewed by Mutual understanding of both parties
6. As per the agreement Training Partner will provide training on Open-Source Technologies in college for a minimum period of one year. Based on the response and mutual understanding it will be renewed further.
7. The batches would be conducted on week days or weekends as per the availability of student and mutual understating between college and Training partner

9922 634 533 | 8482 906 612

[www.topitacademy.com](http://www.topitacademy.com) | [topitacademy@gmail.com](mailto:topitacademy@gmail.com)

Rajas Apartment, Above IDBI Bank Abhimaanshree Road, Aundh - Baner Link Road, Aundh - 411007



8. Training Duration: The period of the training would be for the prescribed number of hrs. and for the minimum students per batch there will be no liabilities on college.
  
9. Total Strength of Students: No liabilities to the College.
  
10. The online courseware and other materials shall be made available within 7 days to the students once the fees are received by the Training Partner from the students.
  
11. Training Partner will provide Certified Professionals/Trainers and trainings will be conducted on Open-source technologies as part of the bundled offer.
  
12. The certificates to the participation of any training enrolled students will be issued on successful completion of the training & evaluation process. Students if enrolled for Global Certificate will directly receive individuals E-mail ID of candidate after exam within 3 working days.
  
16. College will take initiative and participate along with Training Partner to conduct awareness about all Technologies trainings organized in the campus & shall also grant permission to display materials related to the same.
  
17. College will provide the Training Partner with database of students for orientation programs.
  
18. A minimum lead time of 15 days will be required to start the trainings from the date of signing of the agreement.
  
19. Training Partner will provide guidance for Global Certifications Guidance for any technologies after the successfully complete the training.

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[www.topitacademy.com](http://www.topitacademy.com) | [topitacademy@gmail.com](mailto:topitacademy@gmail.com)

Rajas Apartment, Above IDBI Bank Abhimaanshree Road, Aundh - Baner Link Road, Aundh - 411007

20. Training Partner is responsible for providing Lab Setup and required software.

21. Placement assistance will be provided by the training partner after successful completion of the training and certification program.



For Resource Partner

JSPM NARHE TECHNICAL CAMPUS

**Director**  
JSPM Narhe Technical Campus  
Narhe, Pune-41



For Training Partner

TOP IT ACADEMY PUNE



# MEMORANDUM OF UNDERSTANDING (MOU)

Between

**JSPM Narhe Technical Campus**

Survey No. 12/2/2 & 14/9, Pune Bangalore Highway,  
Taluka Haveli, Narhe, Pune-411041, Maharashtra, India



AND

**JEETRAJ CONSTRUCTION AND SERVICES PRIVATE  
LIMITED**

Flat No B/401, Fourth Floor, MangoNest Commercial Complex, Beside of lokmat  
office, Sinhgad Road, Nanded, Pune - 411041, Maharashtra, India

**R | JEETRAJ**  
**CONSTRUCTION & SERVICES PVT. LTD.**  
[www.jctrjgroup.com](http://www.jctrjgroup.com)

With effective from 3<sup>rd</sup> March 2023

## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter called as the 'MOU') is entered on the 3<sup>rd</sup> day of March Two Thousand Twenty Three (3/03/2023).

### BETWEEN

JSPM Narhe Technical Campus, Survey No. 12/2/2 & 14/9, Pune Bangalore Highway, Taluka Haveli, Narhe, Pune-411041, Maharashtra, India (hereinafter referred as "First Party", the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

### AND

JEETRAJ CONSTRUCTION AND SERVICES PRIVATE LIMITED, Flat No B/401, Fourth Floor, MangoNest Commercial Complex, Beside of lokmat office, Sinhgad Road, Nanded, Pune - 411041, Maharashtra, India (hereinafter referred to as "Second Party", company which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party')

### WHEREAS:

- A) First Party is a Higher Educational Institution named JSPM Narhe Technical Campus, Narhe, Pune - 411041, India.
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- D) Both Parties, being legal entities in themselves desire to sign this MOU for advancing their mutual interest.
- E) JEETRAJ CONSTRUCTION AND SERVICES PRIVATE LIMITED, the Second Party is engaged in has believed in inspiring individuals to become a brand. They are here to build a community where influences and brands connect, collaborate and contribute to the digital space. The campaigns will provide with a positive impact on Volume, Visibility, Reach and Revenue.

**NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:**

**CLAUSE 1 : CO-OPERATION**

- 1.1 Both Parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the **Institution** and its related wings. The Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.
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- 2.1 The budding graduates from the institutions could play a key role in research, innovation and competitiveness socially. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their research skills and knowledge.
- 2.2 **Undergraduate project:** Second Party will give valuable inputs to the First Party in undertaking final year project and training suitably to customize the curriculum so that the students fit into the industrial scenario meaningfully.
- 2.3 **Industrial visit:** Industry and Institution interaction will give an insight into the latest developments / requirements of the industries; the Second Party educates the Faculty and Students of the First Party with respect to visit and other research skills.
- 2.4 **Internship:** Students from First Party with background of interest to Second Party will be able to undergo internship. The department and duration of Internship to the student will be decided by Second Party and it will be mutually agreed between both parties in advance. During internship student shall abide policies, rules and regulations of second party.

Student will be provided certificate of internship from second party.

- 2.5 **Research and Development:** Both Parties have agreed to carry out the joint research activities which include collaborative projects between both parties.
- 2.6 **Skill Development Programs:** Second Party to train the students of First Party on the emerging research in order to bridge the gap and make them industry ready.
- 2.7 **Guest Lectures:** Second Party to extend the necessary support to deliver guest lectures to the students of the First Party on the technology trends and in house requirements.
- 2.8 **Faculty Development Programs or Exchange of Faculty:** Second Party to train the Faculties of First Party for imparting research skill as per the requirement considering the National Occupational Standards in concerned sector, if available.  
  
Also, Faculty of First party can be allowed as a trainer to deliver lectures to second party. Associate member of first party will visit to discuss technical problem faced by second party. First party may develop special course for Second party employee or new trainee as suggested by second party. This course will be delivered at second party.
- 2.9 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the Programs on the terms specified herein.
- 2.10 There is no financial commitment on the part of the **JSPM Narhe Technical Campus, Narhe, Pune - 411041, India**, the First Party to take up any program mentioned in the MOU. If there is any financial consideration, it will be dealt separately.

#### **CLAUSE 3: INTELLECTUAL PROPERTY**

- 3.1 Nothing contained in this MOU shall, by express grant, implication, Estoppel or otherwise, create in either Party any right, title, interest, or license in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs) of the other Party.

#### **CLAUSE 4: VALIDITY**

- 4.1 This Memorandum of Understanding will become effective on the final date of signing and will have duration of **THREEE YEARS**.
- 4.2 Both Parties may terminate this MOU upon 30 calendar days' notice in writing. In the event of Termination, both parties have to discharge their obligations.

Point of Contact of JSPM NTC: Head, Department of Civil Engineering,

civilhjspmnte@gmail.com


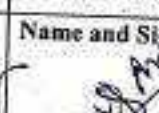



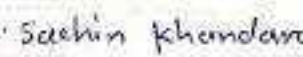
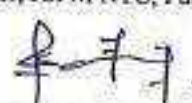

#### **CLAUSE 5: RELATIONSHIP BETWEEN THE PARTIES**

- 5.1 It is expressly agreed that **JSPM Narhe Technical Campus, Narhe, Pune - 411041, India** and **JEETRAJ CONSTRUCTION AND SERVICES PRIVATE LIMITED**, are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership. Neither Party is authorized to use the other Party's name in any way, to make any representations or create any



obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have, nor represent itself as having, any authority under the terms of this MOU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.

AGREED:

For and on behalf of JSPM Narhe Technical Campus, Narhe, Pune - 411041, India	For and on behalf of JEETRAJ CONSTRUCTION AND SERVICES PRIVATE LIMITED
Name and Signature: Dr. S. A. Choudhari  Director JSPM Narhe Technical Campus Narhe, Pune - 411041	Name and Signature: E.P. Yuvraj R. Kale  Managing Director 
Designation: Director, JSPM NTC, Pune	Designation: Managing Director
Date: 03.03.2023	Date: 03.03.2023
Witness: [1] Dr. Shivakumar B. Khaple, Head, Civil. Engg. Dept., JSPM NTC, Pune-41 Signature:  Head Dept. of Civil Engg., JSPM Narhe Tech. Campus, Narhe, Pune - 41	Witness: Konde Jitendra [1]  Signature: 
[2] Prof. S. S. Bansode Asst. Professor, JSPM NTC, Pune-41 Signature: 	[2] Sachin Khondare Signature: 

# MEMORANDUM OF UNDERSTANDING (MOU)

Between

**JSPM Narhe Technical Campus**

Survey No. 12/2/2 & 14/9, Pune Bangalore Highway,  
Taluka Haveli, Narhe, Pune-411041, Maharashtra, India



AND

**GEMSTECH INFRASTRUCTURE PRIVATE LIMITED**

6A, Rajas Apartment, Abhimanshree Society Road, Off, Baner Rd,

above IDBI Bank, Pune, Maharashtra 411008, India



With effective from 2<sup>nd</sup> March 2022

## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter called as the 'MOU') is entered on the 2<sup>nd</sup> day of March Two Thousand Twenty Three (02/03/2022).

### BETWEEN

**JSPM Narhe Technical Campus**, Survey No. 12/2/2 & 14/9, Pune Bangalore Highway, Taluka Haveli, Narhe, Pune-411041, Maharashtra, India (hereinafter referred as "First Party", the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

### AND

**GEMSTECH INFRASTRUCTURE PRIVATE LIMITED**, 6A,Rajas Apartment,Abhimanshree Society Road, Off, Baner Rd, above IDBI Bank, Pune, Maharashtra 411008 (hereinafter referred to as "Second Party", company which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party')

### WHEREAS:

- A) First Party is a Higher Educational Institution named **JSPM Narhe Technical Campus, Narhe, Pune - 411041, India.**
- B) First Party and Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.
- C) The Parties intent to cooperate and focus their efforts on cooperation within area of Knowledge sharing, Education and Research.
- D) Both Parties, being legal entities in themselves desire to sign this MOU for advancing their mutual interest.
- E) **GEMSTECH INFRASTRUCTURE PRIVATE LIMITED**, the Second Party is engaged in has believed in inspiring individuals to become a brand. They are here to build a community where influences and brands connect, collaborate and contribute to the digital space. The campaigns will provide with a positive impact on Volume, Visibility, Reach and Revenue.

**NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:**

**CLAUSE 1 : CO-OPERATION**

- 1.1 Both Parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the **Institution** and its related wings. The Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.
- 1.2 The general terms of co-operation shall be governed by this MOU. The Parties shall cooperate with each other and shall, as promptly as is reasonably practical, enter into all relevant agreements, deeds and documents (the 'Definitive Documents') as may be required to give effect to the actions contemplated in terms of this MOU. The term of Definitive Documents shall be mutually decided between the Parties. Along with the Definitive Documents, this MOU shall represent the entire understanding as to the subject matter hereof and shall supersede any prior understanding between the Parties on the subject matter hereof.

**CLAUSE 2: SCOPE OF THE MOU**

- 2.1 The budding graduates from the institutions could play a key role in research, innovation and competitiveness socially. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their research skills and knowledge.
- 2.2 **Undergraduate project:** Second Party will give valuable inputs to the First Party in undertaking final year project and training suitably to customize the curriculum so that the students fit into the industrial scenario meaningfully.
- 2.3 **Industrial visit:** Industry and Institution interaction will give an insight into the latest developments / requirements of the industries; the Second Party educates the Faculty and Students of the First Party with respect to visit and other research skills.
- 2.4 **Internship:** Students from First Party with background of interest to Second Party will be able to undergo internship. The department and duration of Internship to the student will be decided by Second Party and it will be mutually agreed between both parties in advance. During internship student shall abide policies, rules and regulations of second party.  
  
Student will be provided certificate of internship from second party.
- 2.5 **Research and Development:** Both Parties have agreed to carry out the joint research activities which include collaborative projects between both parties.

- 2.6 **Skill Development Programs:** Second Party to train the students of First Party on the emerging research in order to bridge the gap and make them industry ready.
- 2.7 **Guest Lectures:** Second Party to extend the necessary support to deliver guest lectures to the students of the First Party on the technology trends and in house requirements.
- 2.8 **Faculty Development Programs or Exchange of Faculty:** Second Party to train the Faculties of First Party for imparting research skill as per the requirement considering the National Occupational Standards in concerned sector, if available.
- Also, Faculty of First party can be allowed as a trainer to deliver lectures to second party. Associate member of first party will visit to discuss technical problem faced by second party. First party may develop special course for Second party employee or new trainee as suggested by second party. This course will be delivered at second party.
- 2.9 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the Programs on the terms specified herein.
- 2.10 There is no financial commitment on the part of the **JSPM Narhe Technical Campus, Narhe, Pune - 411041, India**, the First Party to take up any program mentioned in the MOU. If there is any financial consideration, it will be dealt separately.

### **CLAUSE 3: INTELLECTUAL PROPERTY**

- 3.1 Nothing contained in this MOU shall, by express grant, implication, Estoppel or otherwise, create in either Party any right, title, interest, or license in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs) of the other Party.

### **CLAUSE 4: VALIDITY**

- 4.1 This Memorandum of Understanding will become effective on the final date of signing and will have duration of **FIVE YEARS**.
- 4.2 Both Parties may terminate this MOU upon 30 calendar days' notice in writing. In the event of Termination, both parties have to discharge their obligations.

Point of Contact of JSPM NTC: Head, Department of Civil Engineering,




civilhjspmntc@gmail.com

### **CLAUSE 5: RELATIONSHIP BETWEEN THE PARTIES**

- 5.1 It is expressly agreed that **JSPM Narhe Technical Campus, Narhe, Pune - 411041, India** and **GEMSTECH INFRASTRUCTURE PRIVATE LIMITED**, are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership. Neither Party is authorized to use the other Party's name in any way, to make any representations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have, nor represent itself as having, any

authority under the terms of this MOU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.

**AGREED:**

For and on behalf of JSPM Narhe Technical Campus, Narhe, Pune - 411041, India	For and on behalf of GEMSTECH INFRASTRUCTURE PRIVATE LIMITED
Name and Signature: Dr. S. A. Choudhari 	Name and Signature: Mr. Rohit Zanjad 
Designation: Director, JSPM NTC, Pune	Designation: Managing Director
Date: 02.03.2022	Date: 02.03.2022
Witness: [1] Dr. Shivakumar B. Khaple, Head, Civil. Engg. Dept., JSPM NTC, Pune-41 Signature:  <b>Head</b> Dept. of Civil Engg. JSPM Narhe Tech. Campus [2] Prof. S. S. Bhandare, Asst. Professor, JSPM NTC, Pune-41	Witness: [1] Pravin Wagh  Signature: [2]
Signature: 	Signature:



# MEMORANDUM OF UNDERSTANDING (MOU)

Between

**JSPM Narhe Technical Campus**

Survey No. 12/2/2 & 14/9, Pune Bangalore Highway,  
Taluka Haveli, Narhe, Pune-411041, Maharashtra, India



&

**CAD DESK Pune - Narhe**

Shop No. 301, 302 Santkrupa, Vetalbua Chowk, Narhe,  
Pune- 411041, Maharashtra India



With effective from 20<sup>th</sup> October 2022



## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (here in after called as the 'MOU') is entered on the 20<sup>th</sup> day of October Two Thousand Twenty-Two (20/10/2022).

### BETWEEN

**JSPM Narhe Technical Campus**, Survey No. 12/2/2 & 14/9, Pune Bangalore Highway, Taluka Haveli, Narhe, Pune-411041, Maharashtra, India (hereinafter referred as "First Party", the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

### AND

**CAD DESK Pune Narhe**, Shop No. 301, 302 Santkrupa, Vetabua Chowk, Narhe, Pune-411041, Maharashtra India (hereinafter referred to as "Second Party", company which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party')

### WHEREAS:

- A) First Party is a Higher Educational Institution named **JSPM Narhe Technical Campus, Narhe, Pune - 411041, India.**
- B) First Party and Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.
- C) The Parties intent to cooperate and focus their efforts on cooperation within area of Knowledge sharing, Education and Research.
- D) Both Parties, being legal entities in themselves desire to sign this MOU for advancing their mutual interest.
- E) **CAD DESK Pune Narhe, Shop No. 301, 302 Santkrupa, Vetabua Chowk, Narhe, Pune- 411041, Maharashtra India**, the Second Party is engaged in has believed in inspiring individuals to become a brand. They are here to build a community where influences and brands connect, collaborate and contribute to the digital space. The campaigns will provide with a positive impact on Volume, Visibility, Reach and Revenue.





**NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:**

**CLAUSE 1 : CO-OPERATION**

Both Parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the Institution and its related wings. The Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.

The general terms of co-operation shall be governed by this MOU. The Parties shall cooperate with each other and shall, as promptly as is reasonably practical, enter into all relevant agreements, deeds and documents (the 'Definitive Documents') as may be required to give effect to the actions contemplated in terms of this MOU. The term of Definitive Documents shall be mutually decided between the Parties. Along with the Definitive Documents, this MOU shall represent the entire understanding as to the subject matter hereof and shall supersede any prior understanding between the Parties on the subject matter hereof.

**CLAUSE 2: SCOPE OF THE MOU**

The budding graduates from the institutions could play a key role in research, innovation and competitiveness socially. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their research skills and knowledge.

**Undergraduate project:** Second Party will give valuable inputs to the First Party in undertaking final year project and training suitably to customize the curriculum so that the students fit into the industrial scenario meaningfully.

**Industrial visit:** Industry and Institution interaction will give an insight into the latest developments / requirements of the industries; the Second Party educates the Faculty and Students of the First Party with respect to visit and other research skills.

**Internship:** Students from First Party with background of interest to Second Party will be able to undergo internship. The department and duration of Internship to the student will be decided by Second Party and it will be mutually agreed between both parties in advance. During internship student shall abide policies, rules and regulations of second party. Student will be provided certificate of internship from second party.



**Research and Development:** Both Parties have agreed to carry out the joint research activities which include collaborative projects between both parties.

**Skill Development Programs:** Second Party to train the students of First Party on the emerging research in order to bridge the gap and make them industry ready.

**Guest Lectures:** Second Party to extend the necessary support to deliver guest lecturers to the students of the First Party on the technology trends and in house requirements.

**Faculty Development Programs or Exchange of Faculty:** Second Party to train the Faculties of First Party for imparting research skill as per the requirement considering the National Occupational Standards in concerned sector, if available.

Also, Faculty of First party can be allowed as a trainer to deliver lectures to second party. Associate member of first party will visit to discuss technical problem faced by second party. First party may develop special course for Second party employee or new trainee as suggested by second party. This course will be delivered at second party.

Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the Programs on the terms specified herein.

There is no financial commitment on the part of the **JSPM Narhe Technical Campus, Narhe, Pune - 411041, India**, the First Party to take up any program mentioned in the MOU. If there is any financial consideration, it will be dealt separately.

### **CLAUSE 3: INTELLECTUAL PROPERTY**

3.1 Nothing contained in this MOU shall, by express grant, implication, Estoppel or otherwise, create in either Party any right, title, interest, or license in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs) of the other Party.

### **CLAUSE 4: VALIDITY**

This Memorandum of Understanding will become effective on the final date of signing and will have duration of THREE YEARS.

Both Parties may terminate this MOU upon 30 calendar days' notice in writing. In the event of Termination, both parties have to discharge their obligations.

Point of Contact of JSPM NTC: Head, Department of Civil Engineering,








civilhjspmntc@gmail.com

### **CLAUSE 5: RELATIONSHIP BETWEEN THE PARTIES**

5.1 It is expressly agreed that **JSPM Narhe Technical Campus, Narhe, Pune - 411041, India** and **CAD DESK Pune Narhe, Shop No. 301, 302 Santkrupa, Vetalbua Chowk, Narhe, Pune- 411041, Maharashtra India**, are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership.

Neither Party is authorized to use the other Party's name in any way, to make Any representations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have, nor represent itself as having, any authority under the terms of this MOU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.

**AGREED:**

For and on behalf of <b>JSPM Narhe Technical Campus, Narhe, Pune - 411041, India</b>	For and on behalf of <b>CAD DESK Pune Narhe, Shop No. 301, 302 Santkrupa, Vetabua Chowk, Narhe, Pune- 411041, Maharashtra India</b>
Name and Signature: Dr. S. A. Choudhari  <b>Director</b> JSPM Narhe Technical Ca Narhe, Pune-41	Name and Signature: Er. Priyanka Gitte  
Designation: Director, JSPM NTC, Pune	Designation: Director, CAD DESK Narhe
Date: 20th October 2022	Date: 20th October 2022
Witness: [1] Dr. S. B. Khaple, Head, Civil Engg. Dept., JSPM NTC Signature:  [2] Prof. S. S. Bansode Asst. Prof. Civil Engg. Dept., JSPM NTC Signature: 	Witness: [1] Er. Sushant Gitte Co-Director, CAD DESK Pune Narhe Signature:  [2] Prof. A. A. Avhad Asst. Prof. Civil Engg. Dept., JSPM NTC Signature: 





महाराष्ट्र MAHARASHTRA

2022

27AA 492379

भारतीय गैर न्यायिक कागज पर मुद्रित चित्रों का प्रयोग न करना चाहिए।

दिनांक 03 NOV 2022

मु.शु. रक्कम - 100/-

वर्गीकरण प्रकार - Affidavit

व्यक्ति का नाम - राहुल शिवने शिवने/जाही -

पता - Star Health & Allied Insurance Company  
Millinium Tower Bhandarkar rd pune 4

व्यक्ति का पता - Rahul walke shivane pune 3

सि.नं. (पं.सं. नं. 02010413)

श्री नं. 24, वेदिक एम्प्लर,  
कोर्ट रोड, पुणे-411 004-2424 3669 इलेक्ट्रॉनिक न्यायिक प्रणाली पर



31 OCT 2022

प्रथम नुमांदा कोर्टावर

### MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter called as the MoU) is entered into on this the 7th November 2022.

By and Between

STAR HEALTH AND ALLIED INSURANCE COMPANY LTD having its registered office at No:1, New Tank Street, Valluvar kottam High

Road, Nungambakkam, Chennai- 600034 a company duly incorporated under Companies Act 1956 and licensed by Insurance Regulatory and Development Authority of India to carry on the business of Health Insurance bearing License no 129 represented by its, (Hereinafter referred to as '**Star Health Insurance**', the company which expression, unless excluded by the subject or context shall include its successors-in-office, administrators and assigns).

**AND**

**JSPM Narhe Technical Campus , Pune** a Premier Institution Operating from Pune and represented herein by its Director, (Dr.) Sumant A Choudhari, (Hereinafter referred to a institution which expression, unless excluded by the subject or context shall include its successors-in-office, administrators and assigns).

(Star Health Insurance and JSPM Narhe Technical Campus , Pune are hereinafter jointly referred to as 'Parties' and individually as 'Party')

The Star Health Insurance and the College have come to an understanding to conduct the Vocational/Elective course for promoting insurance awareness and enhancing employment opportunities for the students in Health Insurance Sector. Star Health Insurance will be the operational institution responsible for implementing the proposed certificate course governed by this MoU.

**WHEREAS** the **JSPM Narhe Technical Campus , Pune** a premier College in academics for educating the students for degrees School of



Humanities, Management Studies. The Star Health Insurance and College agree that collaboration and co-operation between themselves will promote more effective use of their resources for mutual interest in enhancing opportunities for students. Both Parties being legal entities have decided to sign this MoU based on mutually agreed terms and conditions.

**NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MoU, THE PARTIES HERE TO AGREE AS HEREINUNDER:**

### **1. CO-OPERATION**

1.1 Both Parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the institution and its related wings. The Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.

1.2 Star Health Insurance shall facilitate effective utilization of the intellectual capabilities of their faculty and their resources in developing syllabus/course modules and conducting capacity building, keeping in view the needs of the students. The College shall



provide the required support for the smooth implementation of the above.

1.3 The general terms of this understanding shall be governed by this MoU and this MoU shall represent entire understanding as to the subject matter hereof and shall supersede any prior correspondence exchanged understanding between the Parties in this regard.

## 2. SCOPE OF THE MoU

2.1 **Programme:** Under this project Star Health Insurance will collaborate with the College jointly to offer programs for enrolment of students in the Vocational/Elective course offered by College. The Star Health Insurance in consultation with the College will introduce the vocational/elective course for Health Insurance through Online Platforms/Offline classroom sessions at College premises, depending upon circumstances. Both parties undertake close co-operation so as to ensure major benefit to student community to enhance their knowledge and skills. The curriculum shall be devised by Star Health Insurance Training and to be approved by the College as per norms.

2.2 **Eligibility:** They should have completed 18 years of age at the time of joining the course. In view of online classes, those having uninterrupted access to internet facility shall be given priority.

2.3 **Hours of Coverage:** The duration of course would be for 35 hours.

2.4 **Financial Commitments:** The First Party shall bear the expenses of the Faculty/ development and publication of course materials / conducting the course as per regulatory norms. . Star Health Insurance Company has no objection in the College charging fee as per College norms from Students for enrolling in the vocational course in Health Insurance.

2.5 **Certificate:** The students after completion of the vocational course and on passing prescribed exam as applicable would be eligible for certification.

2.6 The First Party may consider providing self-employment opportunities to candidates successfully completing the certificate course subject to fulfilment of their eligibility under Regulations.

2.7 The Student who takes up this certificate course offered by the College after their successful completion of IC 38 exams shall take up appointment as Agent with Star Health Insurance ,if they so desire.

### **3. OBLIGATIONS OF THE PARTIES**

#### **Obligations of the College:**

The College undertakes to:



- A. Identify the students interested/willing to participate in the Vocational/Elective Course on Health Insurance.
- B. Appoint focal points to coordinate with Star Health Insurance concerning all aspects of implementation of the course for its smooth functioning in College and constituent Colleges as applicable.
- C. Monitoring Attendance - College shall monitor the attendance of the students enrolled for the course and share the same with Star Health Insurance, as per prescribed frequency mutually agreed upon.
- D. To ensure no absenteeism or cancellation of sessions planned for the smooth conduct of the course.
- E. The College shall ensure that students should attend the examination conducted by Insurance Institute of India without fail.
- F. On being declared passed, distribute certificates to the students who have successfully completed the course.

**Obligations of Star Health Insurance :**

- A. Star Health Insurance Training shall be fully responsible for the preparation of the course curriculum and course design. Star Health Insurance Training shall be responsible for conducting the



health insurance course. Star Health Insurance Training shall conduct the course for a total period of 35 hours.

- B. The period in which it will be covered and the Number of sessions per week per day will be arrived at, as mutually agreed upon with the Second Party.
- C. Training will be conducted on Zoom online or Offline platform to start with.
- D. The course will be delivered in Hindi/Marathi/English.
- E. The trainers would be provided by the Star Health Insurance.
- F. Printing of course completion certificate, under joint signatures using Star Health Insurance and College Logo/Emblem.

The above list is representative and not exhaustive.

#### **4. SINGLE POINT OF CONTACT**

Each party shall provide the other party with single point of contact (SPOC) for each functional area for all inquiries regarding the implementation of this MoU/conduct of the course. Each party shall accept all inquiries from the other Party and provide timely and coordinated responses.

The First Party appoints Shri. Gaurav Dhokriya, Senior Manager, Pune, Star Health Insurance, as Course Director and SPOC, on its behalf.

#### **5. CONFIDENTIALITY**



Except as otherwise specified herein, each Party expressly undertakes to retain in confidence all information and know-how transmitted to it by the other Party in the course of the relationship governed by this MoU that the Disclosing Party identifies as being proprietary and/or confidential or that, by the nature of the circumstances surrounding the disclosure, sought in good faith to be treated as proprietary and/or confidential by the Receiving Party, including without limitation any information disclosed by insurer and will make no use of such information and know-how except under the terms and during the existence of this MoU. Each Party shall provide such confidential information to the other Party on trust. Both Parties shall treat the terms and conditions of this MoU as confidential; however, either Party may disclose such information in confidence to its immediate legal and financial consultants as required in the ordinary course of that Party's business. The Receiving Party shall take all such steps to prevent unauthorized access to the Disclosing Party's confidential information as it takes to protect its own confidential information. The Receiving Party shall not use the Disclosing Party's confidential information for any purposes other than in connection with performing its obligations or exercising its right under this MoU. However the parties to this MOU may disclose the confidential data if it is required to be disclosed pursuant to an applicable law, rule, regulation, government requirement or a court order. Upon the disclosing party's written request at any time or following the completion or termination of this MoU, the Receiving Party shall promptly return to the Disclosing party provide under or in connection with this MoU, including all copies, portions and summaries thereof. The Receiving Party should



not disclose to third party the confidential information provided by the Disclosing party for a further period of 3 years even after the completion of duration of the Course.

#### 6. OWNERSHIP OF DATA

The ownership of Courseware and Data provided by the Star Health Insurance would rest with it. The data received by the College from Star Health Insurance shall, at all times, remain exclusive property of Star Health Insurance.

#### 7. LIMITATION OF LIABILITY

The Star Health Insurance shall not be in any manner held liable for

- i) Discharging any financial commitments made by College.
- ii) Any suit on account of demands for infringement of copyright and other laws by the College which have no nexus with the object of the MoU being entered into.
- iii) The College shall ensure that all its software used as a platform of conducting classes is legally authorized. The Star Health Insurance shall not be responsible in any way for any liabilities arising out of use of pirated software.
- iv) Neither Party shall be liable to the other Party for any indirect, incidental, contingent, consequential, punitive, exemplary, special or similar damages, including but not limited to, loss of profits or loss of data, whether incurred as a result of negligence or otherwise.



irrespective of whether either Party has been advised of the possibility of the incurrence by the other Party of any such damages.

## **8. NOTICE**

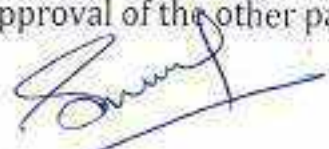
Unless otherwise provided herein, all notices or other communications under or in connection with this Agreement shall be given in writing and may be sent by personal delivery or electronic mail or post or courier or facsimile at the address mentioned in the recitals. Any such notice or other communication will be deemed to be effective if sent by personal delivery, when delivered, if sent by post, two days after being put in the post and if sent by courier, one day after being handed over to the courier, if sent by electronic mail, when the electronic mail leaves the email server of the sender and if sent by facsimile, when sent to the correct facsimile number (on receipt of a confirmation).

## **9. COMPLIANCE WITH LAWS AND REGULATIONS**

Each Party is obligated to comply with relevant laws and regulations applicable to it.

## **10. PUBLICITY**

The parties to this agreement agree that they shall not use the Logo, trademarks, trade name or other proprietary makes of the other party in any advertising, press releases without prior written approval of the other party.



## **11. INDEMNITY**

Either party shall indemnify each other and undertake to hold harmless of the other Party from and against any damages, liabilities, expenses and disbursements / any legal proceedings initiated in respect of or relating to his MoU.

## **12. SEVERABILITY**

In case of any provision of the MOU be declared illegal, unenforceable in law the parties hereto will cooperate in all ways open to them to obtain substantially the same result as may be possible including taking appropriate steps to amend, modify or alter this MoU if necessary.

## **13. TERM & TERMINATION**

13.1 The terms of this MoU shall commence on the effective date of signing and will be valid for a period of one year on mutually agreed terms, during which period the parties will take effective steps for the implementation of this MoU.



13.2 Either party may terminate this MoU by giving 30 days' notice period in writing. Notwithstanding such termination, all the batches of students already admitted into the Certificate Course during the currency of this MOU, each Party is bound to perform their respective obligations as enumerated under this MoU.

#### **14. AMENDMENT TO THE AGREEMENT**

During the tenure of MoU in operation, circumstances may arise requiring for alteration or modifications which can be done after mutual discussion and agreed upon in writing by the parties.

#### **15. FORCE MAJEURE**

It is expressly agreed that neither Party shall be liable for any default, delay or lapse occurring due to reasons of Force Majeure which includes acts of God or any other events beyond the reasonable control of Parties war, strike, theft, tempest, sabotage, fire, floods and droughts; wars, riots, insurrection, acts of the public enemy, terrorism ("Force Majeure Event"); provided, however, that in the event a Force Majeure Event persists for Thirty (30) days or more, either Party shall have the right, but not the obligation, to terminate this Agreement.

#### **16. DISPUTE RESOLUTION**

16.1. **Governing Laws:** This Agreement shall be governed by and construed in accordance with laws in India.



**16.2. Dispute Resolution:** Any dispute arising between the Parties in connection with this Agreement shall at first instance be resolved amicably between the Parties through mutual discussions failing which each Party hereby agrees to resolve the dispute by referring to the sole Arbitrator appointed by mutual agreement. The Arbitration proceedings will be conducted in accordance with Arbitration and Conciliation Act, 1996. The seat of Arbitration will be at Chennai and cost will be shared by the parties.

**16.3 Jurisdiction:** The courts located in Pune will have exclusive jurisdiction.

For Star Health Insurance



Mr. Kapil Bajaj  
Sr. Zonal Manager , Pune Zone

(AUTHORISED SIGNATORY)

For JSPM Narhe Technical Campus , Pune



Dr. SUMANT A. CHOUDHARI  
Director

(AUTHORISED SIGNATORY)

Mr. Kapil Bajaj	Dr. SUMANT A. CHOUDHARI
3 <sup>rd</sup> Floor , Millennium Towers, Opp Kotak Mahindra Bank , Bhandarkar Road Pune : 411004	JSPM Narhe Technical Campus , Pune
Mobile #: 9850030079	Contact No. #: 9673995321



E-mail: Kapil.bajaj@starhealth.in

E-mail: tpo\_ntc@jspm.edu.in

Witness 1: Shrinath Mahadev Patil Mangore- Training and Placement

Officer



Witness 2: Gaurav Dhokriya - Sr. Manager , Agency Development , Pune



SH165642



Jayawant Shikshan Prasarak Mandal's  
**JSPM Narhe Technical Campus**



S. No. 12/2/2 and 14/9, Narhe, Tal : Haveli, Dist: Pune - 411041  
Phone : +91 20 2460 8700, 701, 702 Email : director@jspmntc.edu.in Web : www.jspmntc.edu.in  
Affiliated to Savitribai Phule Pune University. Approved by AICTE New Delhi and DTE Maharashtra.  
DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874

**Prof.(Dr.)T. J.Sawant**  
D.E.E., B.E.(Electrical), Ph.D., MISTE  
Founder - Secretary

**Prof.(Dr.) R.K.Lad**  
B.E.(Civil), M.E.(Env.Engg.) Ph.D.(Engg.)  
DIRECTOR

**MEMORANDUM OF UNDERSTANDING**

This Memorandum of Understanding made and entered into on this 22<sup>nd</sup> of March, 2021  
between

**Radiant IT Services Pvt. Ltd.**, having its office at Office No. 1A, 4th Floor, "A" Building  
Kolte Patil Downtown City Vista, Fountain Road, opp. Victorious Kids School, Kharadi,  
Pune, Maharashtra 411014) GST No. - 27AAKCR1034L1Z8 (Referred as **Radiant IT  
Services Pvt. Ltd.**)

And

**JSPM Narhe Technical Campus, Narhe, Pune**, Narhe, Taluka- Haveli, Near Sanas Crane,  
Pune-Bangalore Highway, Pune, Maharashtra 411041(Referred as JSPM NTC), for the  
purpose of

1. Enhancing the quality of Engineering Education being imparted to the students
2. Promotion of Industry Institute Interaction-Cell and R&D activities (including interdisciplinary activities) in the institute (JSPM NTC).
3. Industry supported lab establishment.

**OBJECTIVES:**

- A. MOU is for the purpose of enriching and enhancing technical education in advanced subject areas related to Computer, IT. MOU will enhance the teaching-learning process being imparted to UG Engineering students so as to meet the industry needs and to be recognized globally.
- B. MOU is to promote Industry Institute Interaction, Research and Development activities amongst the students.
- C. MOU is to
  1. To provide the opportunity to UG/PG students of the JSPM NTC for internship of 2 to 6 months every year in order to update their technical skills.
  2. To provide the opportunity for placements or pre-placement offers to the candidates who are found suitable as per the needs eligibility requirements.
  3. To provide the training to students from the experts on recent technologies in **Radiant IT Services Pvt. Ltd.** Field to upgrade their knowledge.

*Prof. T. J. Sawant*

*Secretary*

*R.K. Lad*

*Lipul. R. K. Lad*



Jayawant Shikshan Prasarak Mandal's  
**JSPM Narhe Technical Campus**



S. No. 12/2/2 and 14/3, Narhe, Tal : Haveli, Dist: Pune - 411041  
Phone : +91 20 2460-8700, 701, 702 Email : director@jspmntc.edu.in Web : www.jspmntc.edu.in  
Affiliated to Savitribai Phule Pune University. Approved by AICTE New Delhi and DTE Maharashtra.  
DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874

**Prof.(Dr.)T. J.Sawant**  
D.E.E., B.E.(Electrical), Ph.D., MISTE  
Founder - Secretary

**Prof.(Dr.) R.K.Lad**  
B.E.(Civl), M.E.(Env.Engg.) Ph.D.(Engg.)  
DIRECTOR

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**And**

**JSPM Narhe Technical Campus, Narhe, Pune, Narhe, Taluka- Haveli, Near Sanas Crane,  
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  2. To provide the opportunity for placements or pre-placement offers to the candidates who are found suitable as per the needs eligibility requirements.
  3. To provide the training to students from the experts on recent technologies in **Radiant IT Services Pvt. Ltd.** Field to upgrade their knowledge.

*T. J. Sawant*

*R. K. Lad*

*R. K. Lad*

*R. K. Lad*

4. To carry out some research projects jointly with the help of the expert faculties available with JSPM NTC.
5. To establish the Centre of excellence to make JSPM students industry ready.
6. To allow use of JSPM NTC resources including infrastructure, equipment, facilities and domain expertise of faculty for joint research based projects.

## TERMS AND CONDITIONS:

### 1. RELATIONSHIP :

- 1.1 MOU is the collaboration between two parties for mutual benefit.
- 1.2 MOU stands valid for Five years from the date of agreement. The collaboration can be terminated from either side with a notice period of one month.
- 1.3 MOU will be renewed after 5 years depending on the performance and work satisfaction by both the parties.
- 1.4 Both parties shall work in synchronism to ensure the successful completion of collaboration.
- 1.5 Both the parties shall provide adequate support and facilities to the concerned students with mutual understanding.

### 2. OBLIGATION :

- 2.1 There shall be no obligation on any party to compensate the other in any manner or to make any claim.
- 2.2 There is **no financial commitment** on the part of the JSPM Narhe Technical Campus to take up any program mentioned in the MoU. If there is any financial consideration, it will be dealt separately.
- 2.3 Each party shall respect the others intellectual property (I.P.)
- 2.4 Both parties shall maintain confidentiality about any information.

### 3. LIMITATION :

- 3.1 Each party represents that they have full power and authority to enter into this MOU.
- 3.2 Each party shall ensure to work together with maturity.

### 4. CONDITION :

- 4.1 Both parties will designate a representative who will be the primary point of contact.
- 4.2 Unless and until the parties agree there shall be no public announcement. Agreement has to be in the form of written approval.
- 4.3 Any dispute under this MOU will be settled at Pune through arbitration if necessary.

*Parag*

*Counsel*

*RICP*

*Agmt. R. K. Singh*

5. In written, where of both parties put their hard seal on the day, month and year herein mentioned.

**Party A**

**Authorized Official**

**Signature and Seal:**

  
Name: **Mr. Prabhu Kumar,**  
Title : **Chief Executive Officer**  
**Radiant IT Services Pvt. Ltd.**  
PUNE, Mobile No.- +91 80104110293  
Email : [info@theradiantitservices.com](mailto:info@theradiantitservices.com)

  
Name : **Mr. Ganesh Pinjan**  
Title : **Sales & Training Coordinator**  
**Radiant IT Services Pvt. Ltd.**  
PUNE, Mobile No.-+91 9766861473  
Email : [ganesh@theradiantitservices.com](mailto:ganesh@theradiantitservices.com)

Name : **Mr. Arvind Jadhav**  
Title : **Digital Marketing Director**  
**Radiant IT Services Pvt. Ltd.**  
PUNE, Mobile No:+91 9822208040  
Email : [arvind@theradiantitservices.com](mailto:arvind@theradiantitservices.com)

**Witness :**  
**Signature :**

**Party B**

**Authorized Official**

**Signature and Seal:**

  
Name: **Mr. Rushiraj Sawant**  
Title: **Campus Director (Narhe Campus)**  
**JSPM& TSSM Group of Institutes, Pune**  
Mobile No.- +91 9970437504  
Email : [rushirajsawant.35@gmail.com](mailto:rushirajsawant.35@gmail.com)

  
Name: **Dr. Ravindra Lad** **Director**  
**JSPM Narhe Technical Campus**  
Narhe, Pune - 411 044  
Title: **Director**  
**JSPM Narhe Technical Campus, Pune**  
Mobile No.- +91 9850214835  
Email : [director@jspmntc.edu.in](mailto:director@jspmntc.edu.in)

  
Name: **Mr. Vipul Mahindrakar** **Training & Placement Officer**  
**J.S.P.M. Narhe, Technical Campus**  
Narhe, Pune-41  
Title: **Training & Placement Officer**  
**JSPM Narhe Technical Campus, Pune**  
Mob. No.: +91 9595952524  
Email : [tpo\\_ntc@jspm.edu.in](mailto:tpo_ntc@jspm.edu.in)

**Witness :**  
**Signature :**





Jayawant Shikshan Prasarak Mandal's  
**JSPM Narhe Technical Campus**



S. No. 12/2/2 and 14/9, Narhe, Tal: Haveli, Dist.: Pune - 411041  
Phone : +91 20 2460 8700, 701, 702 Email : director@jspmntc.edu.in Web : www.jspmntc.edu.in  
Affiliated to Savitribai Phule Pune University, Approved by AICTE New Delhi and DTE Maharashtra.  
DTE Code : 6755 PUM Code : CEGP019070 AISHE Code : C-45874

**Prof.(Dr.)T. J.Sawant**  
D.E.E., B.E.(Electrical), Ph.D., MISTE  
Founder - Secretary

**Prof.(Dr.) R.K.Lad**  
B.E.(Civil), M.E.(Env.Engg.) Ph.D.(Engg.)  
DIRECTOR

### MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter called as the 'MOU') is entered into on "05/02/2021"

#### BETWEEN

**JSPM Narhe Technical Campus,**  
S. No. 12/2/2 & 14/9, Near Swami Narayan Mandir, Narhe, Pune, MH - 411041

#### AND

**SKILLEDGE 4.0 EDUTECH PVT LTD, E-502, Ganesham E, Pimple Saudagar, Pune, Maharashtra 411027,** and represented herein by its Chief financial Officer, **Shailendra Marathe,** (hereinafter referred to as "SKILLEDGE" or "Second Party" or "Company", which expression, unless excluded by or repugnant to the subject or context shall include its successors - in-office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party')

#### WHEREAS:

- First Party is a Higher Educational Institution named:  
**JSPM Narhe Technical Campus, Narhe, Pune**
- JSPM Narhe Technical Campus & the Company believe that collaboration and co-operation between themselves will promote more effective use of

*Pick*  
*Apul*

*Rohit S. Ashok*

each of their resources, and provide each of them with enhanced opportunities.

- C) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill Based Training, Education and Research.
- D) Both Parties, being legal entities in themselves desire to sign this MOU for advancing their mutual interest.
- E) **SKILLEDGE 4.0 EDUTECH PVT LTD**, the Second Party is engaged in Business, Manufacturing, Skill Development, Education and R&D Services in the fields of *imparting skills to the graduates to make their job-ready*, and related fields.
- F) **SKILLEDGE 4.0 EDUTECH PVT LTD**, the Second Party is promoted by **Rohit Ghosh** and **Shailendra Marathe**. The company is headquartered at Pune. SkillEdge is a startup focused on making India's graduates job ready. A large percentage of graduates and post-graduates from Indian universities face challenges in finding a job after graduation. Moreover, the industry has to spend a number of months in training them on the job before they become fully productive. Skill-Edge courses, workshops and digital intervention are aimed at bridging this gap and we aim to make the graduates 100% job ready. The courses are designed to impart specific job-role focused training, after assessing the student's aspirations, capabilities and the readiness for the job. The courses are delivered online as well as offline.
- G) SkillEdge has received multiple recognitions, such as being one of the "**Top 7 EdTech Startups**" of Pune to participate in the Industry Academia Conclave of CII, being selected in and graduated from the "TIE Pune Nurture 8.0 Accelerator Program", and the Winner of "Best Startup Award" conferred by IIT Kharagpur.

SkillEdge has impacted over 20,000 students across 80+ colleges in India, through 10+ courses, by imparting over 6,500 hours of training.

Rick  
Appt.

Page 2 of 6

Rohit S. Ghosh

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:

#### CLAUSE 1 CO-OPERATION

- 1.1 Both Parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the **Institution** and its related wings. The Parties shall keep each other informed of potential opportunities that may be relevant to secure additional opportunities for one another.
- 1.2 JSPM Narhe Technical Campus and the Company co-operation will facilitate effective utilization of the intellectual capabilities of the faculty of JSPM Narhe Technical Campus providing significant inputs to them in developing suitable teaching / training systems, keeping in mind the needs of the industry, the Company.
- 1.3 The general terms of co-operation shall be governed by this MOU.

#### CLAUSE 2 SCOPE OF THE MoU

- 2.1 The budding graduates from the Institutions could play a key role in technological up-gradation, innovation and competitiveness of an industry. Both parties believe that close co-operation between the two would be of major benefit to the student community to enhance their skills and knowledge.
- 2.2 **Curriculum Design:** The company will give valuable inputs to the JSPM Narhe Technical Campus in teaching / training methodology and suitably customize the curriculum so that the students fit into the industrial scenario meaningfully.

*[Handwritten signature]*  
*[Handwritten signature]*

*[Handwritten signature]*



- 2.3 **Internships of Students:** The Company will actively engage to provide Internships to the students of the JSPM Narhe Technical Campus.
- 2.4 **Skill Development Programs:** The Company to train the students of college name on the emerging technologies in order to bridge the skill gap and make them industry ready.
- 2.5 **Guest Lectures:** The Company to extend the necessary support to deliver guest lectures to the students of the JSPM Narhe Technical Campus on the emerging trends and in- house requirements.
- 2.6 **Knowledge Sharing:** The company and JSPM Narhe Technical Campus will share the knowledge with each other at different platforms with a motive to update each other about the concerned developments.
- 2.7 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the Programs on the terms specified herein.
- 2.8 There is **no financial commitment** on the part of the JSPM Narhe Technical Campus to take up any program mentioned in the MoU. If there is any financial consideration, it will be dealt separately.

### CLAUSE 3 INTELLECTUAL PROPERTY

- 3.1 Nothing contained in this MOU shall, by express grant, implication, Estoppel or otherwise, create in either Party any right, title, interest, or license in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs) of the other Party.

### CLAUSE 4 VALIDITY

- 4.1 This Agreement will be valid until it is expressly terminated by either Party

Rick

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Page 4 of 6

Robert S. Ghosh

on mutually agreed terms, during which period **SKILLEDGE 4.0 EDUTECH PVT LTD**, the Company, as the case may be, will take effective steps for implementation of this MOU. Any act on the part of the Company after termination of this Agreement by way of communication, correspondence etc., shall not be construed as an extension of this MOU

- 4.2 Both Parties may terminate this MOU upon 30 calendar days' notice in writing. In the event of Termination, both parties have to discharge their obligations

#### **CLAUSE 5 RELATIONSHIP BETWEEN THE PARTIES**

- 5.1 It is expressly agreed that **JSPM NARHE TECHNICAL CAMPUS** and the **SKILLEDGE 4.0 EDUTECH PVT LTD** are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership. Neither Party is authorized to use the other Party's name in any way, to make any representations or create any obligation or liability, expressed or implied, on behalf of the other Party, without the prior written consent of the other Party. Neither Party shall have, nor represent itself as having, any authority under the terms of this MOU to make agreements of any kind in the name of or binding upon the other Party, to pledge the other Party's credit, or to extend credit on behalf of the other Party.

Any divergence or difference derived from the interpretation or application of the MoU shall be resolved by arbitration between the parties as per the Arbitration Act, 1996. The place of the arbitration shall be at District Head Quarters of the First Party. This undertaking is to be construed in accordance with Indian Law with exclusive jurisdiction in the Courts of **Pune**.

*[Handwritten signature]*

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*[Handwritten signature]*

**AGREED:**

For  
JSPM NARHE TECHNICAL CAMPUS

For **For Skilledge 4.0 Edutech Pvt Ltd.**  
SKILLEDGE 4.0 EDUTECH PVT LTD

*Rohit Shishobh*  
**Director**

*R. K. Lad*

Director  
JSPM Narhe Technical Campus  
Narhe, Pune - 411 041

Name: Dr. R. K. Lad  
Title: Director  
Date: 05/02/2021

*Rohit Shishobh*

Name: Shailendra Marathe (Rohit Tamash)  
Title: Director and CFO  
Date: 05/02/2021

JSPM NARHE TECHNICAL CAMPUS	SKILLEDGE 4.0 EDUTECH PVT LTD
S. No. 12/2/2 & 14/9, Near Swami Narayan Mandir, Narhe, Pune, MH - 411041	E-502, Ganeshan E, Pimple Saudagar, Pune, Maharashtra 411027
Contact Details: 98502 14835	Contact Details: 95276 07777, 96190 90914
E-mail id: director@jspmntc.edu.in	E-mails shail.skilledge@gmail.com, rohit.skilledge@gmail.com
Web: www.jspmntc.edu.in	Web: www.skill-edge.com

Witness1:

Witness2:

*Vipul*

Mr. Vipul Mahindrakar  
Training and Placement Officer  
JSPM Narhe Technical Campus,  
Narhe, Pune  
Email id - [tpo\\_ntc@jspm.edu.in](mailto:tpo_ntc@jspm.edu.in)  
Contact No. 9595952524



Section 1 - Purpose and Scope of the Agreement

**Service Level Agreement (SLA)**

The Service Level Agreement (SLA) is entered into on 31<sup>st</sup> March 2019 between **JSPM & TSSM Group of Institutions** and **Focus Academy for Career Enhancement (FACE)**, No.12, Lakshmi Nagar, Thottipalayam Pirivu, Avinashi Road, Coimbatore - 641014.

**JSPM & TSSM Group of Institutions** is represented by **Mr. Rushiraj Sawant** and FACE is represented by **Mr. Saksham Peswari**

**JSPM & TSSM Group of Institutions** and FACE decided to lay down the terms and conditions of the SLA with the following clauses. The terms and conditions are not limited to the following but new terms shall only be added with mutual consent of both the parties.

Disputes if any are subject to jurisdiction of Pune courts only.

*[Handwritten Signature]*  
**For JSPM & TSSM**

*[Handwritten Signature]*  
**For FACE**



Think Placements. Think FACE

**Section 1 – Program and batch details**

Full Name of College	JSPM& TSSM Group of Institutions
Program Name	Integrated Placement Training (2 <sup>nd</sup> Year to 4 <sup>th</sup> Year)
Total Program Duration (in Days)	30
Total Program Duration Per Batch (in Hours)	180
Degree and Passing out year of students to be trained	B.Tech, 2 <sup>nd</sup> , 3 <sup>rd</sup> and 4 <sup>th</sup> Year students
Training Dates	According to campus requirement.
Semester of Study of students to be trained	4 <sup>th</sup> , 5 <sup>th</sup> , 6 <sup>th</sup> , 7 <sup>th</sup> Semester
Total No of students attending the training (as per attached Batch-List)	1500 students approximately ( Including 2 <sup>nd</sup> , 3 <sup>rd</sup> , 4 <sup>th</sup> Year students)

**IMPORTANT:**

- Last minute changes in training dates will not be accommodated. Hence FACE recommends that the college should double-check and ensure that none of these fall during the training dates: 1. No Local / State / National holidays. 2. No Internal tests / examinations. 3. No college functions. (Ex: Sports day, Annual day) 4. No guest lecturers / special programs. 5. No placement / recruitment process
- Any request for change in training dates needs to be communicated to FACE at least 7 working days in advance
- Even if communicated 7 working days in advance, FACE is not automatically liable to deliver the service on the revised dates. FACE will re-confirm the possibility of service delivery based on availability of trainers, ease of trainer travel and accommodation and other constraints
- Batch List of students to be trained needs to be attached to this SLA. This is a mandatory requirement from FACE.
- With this training, material for every topic will be given to every students

For JSPM& TSSM

For FACE

Think Placements. Think FACE.

## Section 2 – Billing Terms and Conditions

Duration of Training Program (in days)	30
Duration of Training Program Per Batch (in Hours)	180
Training Dates	According to college requirement
Total Price (exclusive of S.T)	Rs 3,500
Service Tax @ 18.0%	= Rs 3,500 * 0.18 = Rs 630
Total Price (inclusive of taxes)	= Rs 3,500 + Rs 630 = Rs 4,130 Breakage of commercials: - Rs 276 - 2 <sup>nd</sup> year - 12 hours / 2 days - Rs 956 - 3 <sup>rd</sup> year - 42 hours / 7 days - Rs 2898 - 4 <sup>th</sup> year - 126 hours / 21 days
No of students for whom materials will be sent (as per attached batch-list)	1500
No of students to be billed (irrespective of attendance, since materials and trainer planning will happen according to batch-list)	1500
Total Contract Value	=Rs 61,95,000

**NOTE:** After completion of program, FACE Accounts Manager, Gyathiri will be in touch with the college SPOC for invoicing and payments. SPOC details are:


### FACE Finance Manager Details

- Name - Gyathiri
- Designation - Accounts Manager
- Mobile No - +91 7094463730
- Email - [salesupport@focusacademy.in](mailto:salesupport@focusacademy.in)

### <JSPM Group of Institutions> Finance Manager Details

- Name -
- Designation -
- Mobile No -
- Email -

**DECLARATION:** I have read and understood **Section 2 - Billing Terms and Conditions** and I agree to the same.

  
For JSPM & TSSM

  
For FACE

Think Placements. Think FACE.

## Training Plan from Second Year to Fourth Year

### Second Year

12 Hours of orientation training on department specifics, higher studies, major and minor projects, skill development training and placements

### Third Year (December Month)

42 Hours of Technical training on the foundation of programming languages using C with Lab sessions + 12 Hours of spoken English, confidence building training with assessments

### Fourth Year (June Month)

12 hours of WOWS + 78 hours of aptitude training with topic wise assessments + 18 hours of Resume, GD and PI + 30 hours of company-specific training on TCS and other mass recruitment companies based on the requirement

### Schedule plan for training and assessments

- 12 hours of orientation training for second-year students
- 42 hours of technical training and 12 hours of spoken English and confidence building training in the month of December
- Technical MCQ and Coding assessments to be planned for 3 semesters, 2 tests on a weekly basis according to the college schedule, continuous monitoring of students to be done by FACE
- 90 hours of aptitude training to be planned in June month with topic wise assessments
- The second set of topic wise assessments to happen b/w July and August
- 48 hours of GD/PI and Company Specific training to be planned in last week of August with mock company specific tests and GD/PI assessments

Think Placements. Think FACE.

### Section 3 – Payment Schedule – Terms & Conditions

<b>Advance % Payable</b>	NA										
<b>Advance Amount Payable</b>	NA										
<b>Advance Payment Schedule</b>	NA										
<b>Last date for payment of advance amount (failing which the training will not be delivered)</b>	NA										
<b>Maximum Credit Period for Balance Payment</b>	Within 1 month of completion of every training program										
<b>Last Date for Balance Payment</b>	<b>31<sup>st</sup> March 2019</b>										
<b>Mode of Payment</b>	By Cheque or DD, favoring "Focus 4-D Career Education Pvt. Ltd." Payable at Coimbatore OR										
	By NEFT/ RTGS Transfer to:										
	<table border="1"> <tr> <td>Account Holder Name</td> <td>Focus 4-D Career Education Pvt. Ltd.</td> </tr> <tr> <td>Account No</td> <td>053109000142765</td> </tr> <tr> <td>Bank Name</td> <td>City Union Bank</td> </tr> <tr> <td>Branch Name</td> <td>Vilankurichi Branch</td> </tr> <tr> <td>IFSC Code</td> <td>CIUB0000053</td> </tr> </table>	Account Holder Name	Focus 4-D Career Education Pvt. Ltd.	Account No	053109000142765	Bank Name	City Union Bank	Branch Name	Vilankurichi Branch	IFSC Code	CIUB0000053
Account Holder Name	Focus 4-D Career Education Pvt. Ltd.										
Account No	053109000142765										
Bank Name	City Union Bank										
Branch Name	Vilankurichi Branch										
IFSC Code	CIUB0000053										
	<b>NOTE:</b> Cash payments will not be accepted										

**DECLARATION:** I have read and understood **Section 3 - Payment Schedule - Terms and Conditions** and I agree to the same. I also agree that Disputes if any are subject to jurisdiction of Coimbatore courts only.

  
For JSPM& TSSM

  
For FACE

Think Placements. Think FACE.



**Section 4 – Travel and Logistics – Terms & Conditions**

Trainer Travel to <Pune>	FACE to take care
Local conveyance from port of entry in <Pune> to place of stay	FACE to take care
Trainer Accommodation	FACE to take care
Local Conveyance from place of stay to College and back	FACE to take care
Food Arrangements (Lunch)	College to take care
Materials Printing	FACE to take care
Materials Dispatch	FACE to take care

**DECLARATION:** I have read and understood **Section 4 - Travel & Logistics - Terms and Conditions** and I agree to the same.

  
For JSPM& TSSM

  
For FACE

Think Placements. Think FACE.

**MEMORANDUM OF UNDERSTANDING FOR INTERNSHIP, PLACEMENTS,  
FIELD TRIPS, RESEARCH & EXTENSION ACTIVITIES**

**BETWEEN**

**VERTEX IT SERVICES, PUNE**

**AND**

**JSPM's  
NARHE TECHNICAL CAMPUS, NARHE,  
PUNE.**



Jayawant Shikshan Prasarak Mandal's  
**JSPM Narhe Technical Campus**



S. No. 12/2/2 and 14/9, Narhe, Tal: Haveli, Dist: Pune - 411041  
Phone : +91 20 2460 8700, 701, 702 Email : director@jspmntc.edu.in Web : www.jspmntc.edu.in  
Affiliated to Savitribai Phule Pune University. Approved by AICTE New Delhi and DTE Maharashtra.  
DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874

**Prof.(Dr.)T. J.Sawant**  
D.E.E., B.E.(Electrical), Ph.D., MISTE  
Founder - Secretary

**Prof.(Dr.) R.K.Lad**  
B.E.(Civil), M.E.(Env.Engg.) Ph.D.(Engg.)  
DIRECTOR

## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MoU) is being made and executed at Pune, Maharashtra on 11<sup>th</sup> October 2019, by and between:

### VERTEX IT SERVICES

1<sup>st</sup> floor, Sawant Park, Above Vodafone Store, Chaitanya Nagar, Dhankawadi, Pune, Maharashtra 411043.

AND

JSPM Narhe Technical Campus, Narhe, Pune which offers courses in Engineering, MCA and MBA, hereinafter referred as JSPM NTC, is approved by All India Council of Technical Education (AICTE), New Delhi and Govt. of Maharashtra and is affiliated to Savitribai Phule Pune University, Pune.

### Whereas:

VERTEX IT SERVICES & JSPM NTC has mutually agreed to collaborate to offer intership, placements, to impart employable skills.

As part of this MoU, both the parties hereto agree to the following respectively:

### Scope of the MoU:

The MoU aims at organizing various programmes for imparting requisite skills and holistic development of the students which will bridge the gap between potential employer's requirements and the classroom learning through internships, placements, training programmes, this will enhance their employability as well as boost confidence, enhance learning and improve soft skills.

### **Terms of Interaction:**

Both **JSPM NTC** and **VERTEX IT SERVICES** will encourage interaction between the students, faculty members, managers and research scholars and other professionals through the following arrangements:

- i. The Company will offer internship either full time or part time as well as placement opportunities to our eligible students.
- ii. The Company will help in organizing joint Conferences, Seminars, Expert Talk and Discussion Forum on current trends in field of **E&TC, Computer, MCA and IT.**
- iii. The Company will provide joint guidance to the students in carrying out their projects and dissertation and in other areas of national interest on mutually agreeable terms.
- iv. The company may showcase its business activities in the workshops and seminars to the students.
- v. The institute will provide library services for the employees of **VERTEX IT SERVICES** in the following manner:
  - a. Access to journals, magazines, books and latest research papers.
  - b. Access to online research database through EBSCO and J-Gate.
  - c. Access to National Digital Library.
- vi. The faculty may conduct training programmes for the employees of **VERTEX IT SERVICES** to impart knowledge related to the management functions.

### **Effective Date and Duration of MoU:**

- i. This MoU shall be effective from the date of its approval by competent authorities at both ends.
- ii. The duration of the MoU shall be for a period of 5 years from the effective date.

### **Resolution of Disputes:**

- i. This agreement shall take effect and be construed in accordance with the Laws of India and be subject to the jurisdiction of the courts at PUNE.

### **Miscellaneous:**

- i. Through mutual agreement, the parties may organize various other value added training programmes.
- ii. Both the parties will appoint personnel to handle communications and initiatives under this MoU.
- iii. During the tenure of the MoU both **JSPM NTC** and **VERTEX IT SERVICES** will maintain strict confidentiality and prevent disclosure of all the information and data exchanged under the scope of this MOU for any purpose other than in accordance with this MoU.

iv. Both JSPM NTC and VERTEX IT SERVICES shall not, during the term of this Agreement directly or indirectly, solicit or offer employment or engagement to any of the personnel of other party without the prior consent in writing of that other party.

**Term & Termination:**

- i. This MOU shall be effective from the date of its approval by competent authorities at both ends.
- ii. During its tenancy, the MOU may be extended or terminated by a prior notice of not less than six months by either party. However, termination of the MOU will not in any manner affect the interests of the students and the faculty members who have been involved in the activities under the MOU.

IN WITNESS WHEREOF PARTIES HERE TO HAVE ENTERED INTO THIS AGREEMENT EFFECTIVE AS ON THE DATE AND YEAR FIRST WRITTEN ABOVE

For VERTEX IT SERVICE

Dhankawadi, Pune

DIRECTOR

Witness:

Vishweshwar Borkar

Date: 11/09/2019



For JSPM NTC

Narhe, Pune



DIRECTOR

Director

JSPM Narhe Technical Campus

Narhe, Pune - 411 041

Witness:

Mr. Vipul Mahindrakar

Date: 11/10/2019 (TPO)

Jayawant Shikshan Prasarak Mandal's

**JSPM Narhe Technical Campus**

S. No. 12/2/2 and 14/9, Narhe, Tal : Haveli, Dist: Pune - 411041  
Phone : +91 20 2460 8700, 701, 702 Fax : +91 20 2460 3858 Web : [www.jspmnarhe.in](http://www.jspmnarhe.in)  
Affiliated to University of Pune, Approved by AICTE, New Delhi and DTE, Maharashtra



**Prof. T. J. Sawant**

**D.E.E., B.E.(Electrical), MISTE**

**FOUNDER SECRETARY**

**Prof. Dr. R.K.Lad**

**B.E.(Civil), M.E.(Env. Engg.) Ph.D.(Engg.)**

**DIRECTOR**

**MEMORANDUM OF UNDERSTANDING**

**BETWEEN**

**JSPM NTC, NARHE, PUNE**

Survey No. 12/2/2 & 14/9,  
Near Pune Bangalore Highway, Narhe,  
Taluka Haveli, Pune-411041,  
Maharashtra, India.

**AND**

**S K SURGICALS,**

Mouje, Narhe, Pune,  
Maharashtra 411041, India.



**Prof. T. J. Sawant**  
D.E.E., B.E.(Electrical), MSTE  
FOUNDER SECRETARY

**Prof. Dr. R.K.Lad**  
B.E.(Civil), M.E.(Env. Engg.) Ph.D.(Engg.)  
DIRECTOR

Ref:

Date: 16/07/2018

**MEMORANDUM OF UNDERSTANDING**

**BETWEEN**

**JSPM, Narhe Technical Campus, Narhe, Pune**

**AND**

**S K Surgicals, Mouje, Narhe, Pune**

This Agreement made and entered into on this **16 July 2018** day of Monday between JSPM, Narhe Technical Campus, Narhe, Pune situated at Pune, and S K Surgicals, Narhe, Pune.

**1. OBJECTIVES OF THE MOU**

The objective of this Memorandum of Understanding is:

- To promote interaction between JSPM, NTC, Pune and S K Surgicals, in mutually beneficial areas.
- To provide a formal basis for initiating interaction between JSPM, NTC, Pune and S K Surgicals Pune.

**2. PROPOSED MODES OF COLLABORATION**

JSPM, NTC, Pune and S K Surgicals propose to collaborate through

- Collaboration of student projects in two year PG and four year UG programs JSPM, NTC, Pune.
- Training of S K Surgicals personnel through Continuing Education Programmes conducted by JSPM, NTC, Pune in areas of interest to S K Surgicals.
- Any other appropriate mode of interaction agreed upon between JSPM, NTC, Pune and S K Surgicals Pune.

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



**Prof. T. J. Sawant**

D.E.E., B.E.(Electrical), MISTE  
FOUNDER SECRETARY

**Prof. Dr. R.K.Lad**

B.E.(Civil), M.E.(Env.Engg.) Ph.D.(Engg.)  
DIRECTOR

### 3. FORMS OF RESEARCH AND DEVELOPMENT PROGRAMS

The form of any of the said Research and Development Program (hereinafter referred to as "Research Program") will be subject to a separate Research Agreement entered into by the Parties but may also include the following:

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

### 4. AGREEMENTS FOR RESEARCH COLLABORATION

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

- a. The nature, scope and schedule of the research collaboration.
- b. The form of the research collaboration.
- c. The estimated cost of the research collaboration together with the amount of funding, if any, to be received from third parties.
- d. The treatment of intellectual property and data rights, including patents, industrial design registration, copyrights and all other proprietary information (including innovations not patented, designs not registered etc.) Which result from the research collaboration or which belong to a party and are used in research collaboration.





**Prof. T. J. Sawant**  
B.E.E., B.E.(Electrical), MSTE  
FOUNDER SECRETARY

**Prof. Dr. R.K.Lad**  
B.E.(Civil), M.E.(Env. Engg.) Ph.D.(Engg.)  
DIRECTOR

## 5. CONFIDENTIALITY

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

## 6. ASSIGNMENT

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

## 7. SIGNED IN DUPLICATE

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

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



**Prof. T. J. Sawant**  
D.E.E., B.E.(Electrical), MISTE  
FOUNDER SECRETARY

**Prof. Dr. R.K.Lad**  
B.E.(Civil), M.E.(Env. Engg.) Ph.D.(Engg.)  
DIRECTOR

**8. Miscellaneous Provisions:**

Neither party shall have control over the other party with respect to its hours, times, employment, etc. However, college operational hours and calendar shall take precedence.

The parties warrant that their mutual obligations shall be performed with due diligence in a safe and professional manner and in compliance with any and all applicable statutes, rules and regulations. Parties to this MOU shall comply with all Maharashtra, State, and local laws.

If the RSSCOER NTC Board adopts new guidelines or Early Institutional programs during the term of this MOU, the new guidelines shall prevail.

On behalf of

JSPM, NTC, Pune-41

Name: **Prof. Dr. R. K. Lad**

Designation: **Director**

Date : **16/7/2018**

JSPM Narhe Technical Campus  
Narhe, Pune - 411 041



On behalf of

S K Surgicals,  
Mouje Narhe, Pune-41

Name: **Nagendra H. Bachagoudar**

Designation: **M.D.**

Date : **16/7/2018**



Witness:

1. HOD, Mech. Engg. Dept. (I<sup>st</sup> Shift)

2. R & D Coordinator

Witness:

2.

3.



Jayawant Shikshan Prasarak Mandal's  
**JSPM Narhe Technical Campus**

S. No. 12/2/2 and 14/9, Narhe, Tal : Haveli, Dist.: Pune – 411041

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DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874



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B.Tech (E&TC) M.Tech (E&TC),Ph.D.(Engg.)  
**DIRECTOR**

Grants received from Government and non-governmental agencies

**INDEX**

Sr. No	Name of the research project/ endowment	Name of the Principal Investigator/Co-investigator	Year of Award	Amount Sanctioned	Name of the Funding Agency	Digital Page No.
1	"Strength and Durability Characteristics of Concrete by Using Nanosilica-Nanovanadium Mixture	Dr. S. B. Khaple HOD Civil Dept., Rushikesh kale, Mehul Ahirrao, Sourabh mohite, Pramod baviskar	2021	52000	Nikhil Construction	08
2	Manufacturing of Bricks Using Fly Ash and Rice Husk	Dr. S. B. Khaple HOD Civil Dept., Rushikesh kale, Mehul Ahirrao, Sourabh mohite, Pramod baviskar	2021	52000	Nikhil Construction	15
3	Air Pollutant Characteristics and Control	PI: Prof. M. D. Anap Co I: Mr. Waghela Hitesh Mr. Chotaliya Jaydeep Mr. Brijesh Kumar Pandit Mr. Amane Sanjaykumar	2020	52354	Nikhil Constructions	19



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 DIRECTOR

4	Experimental Analysis of Grey Water Treatment Using Nano metal Oxides	PI: Prof. S. S. Bansode Co I: Mr. Prashant Jagade, Mr. Bankar Sagar, Mr. Kunal Pasalkar Mr. Akshay Karanjkar	2020	50000	Nikhil Construction	29
5	IOT Based Power Measuremen Project	PI: Dr. M. M. Sardeshmukh Co PI: Dr. Sajid Shaikh	2020	75000	Shradha Engineers, Shivaji Nagar Pune	34
6	Heat Transfer Equipment Manufacturing for Experimental Lab	PI: Prof. O. M. Kshirsagar	2020	40000	Pathak Techno Solutions, Dhyari Pune	36
7	Experimental Investigation and Probuotion of Algal Oil Synthesis Biofuel as per BSVI Norms	PI: Prof. K. S. Rambhad	2020	65000	Pathak Techno Solutions, Dhyari Pune	36
8	Development of Solar Drying System for Agriculture Application	PI: Prof. S. P. Kadu	2020	50000	Pathak Techno Solutions, Dhyari Pune	36
9	Investigation of Ground Water Vein Using Light Interference Technique in Pune City	Dr. S. B. Khaple	2019	1,00,000.00	Nikhil Construction	37
10	Investigation of Ground Water Vein Using Light Interference Technique in Pune City	Mr. V. V. Muthekar	2019	1,25,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	42
11	Experimental Analysis of Grey Water Treatment Using Nano metal Oxides	Mr. S. S. Bansode	2019	1,00,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	42



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12	Design predictive system in wireless sensor network for prevention, protection & preservation from natural disaster	Mr. V. S. Gaikwad	2019	1,50,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	42
13	IOT Based Power Measurement and Monitoring System	Dr Sajid Shaikh	2019	1,50,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	42
14	Apparatus Development of Laser Metal Deposition Machine for Product Manufacturing	Mr. S. M. Patil	2019	75,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	42
15	Heat Transfer Equipment Manufacturing for Experimental Lab	Mrs. M. S. Deokar	2019	80,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	42
16	Experimental Investigation and Production of Algal Oil Synthesis Biofuel as per BSVI Norms	Ms. A. D. Halve	2019	1,25,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	42
17	Experimental Investigation of Nano Particle with Biodiesel to reduce Emissions	Mr. P. U. Gaikwad	2019	1,20,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor,	42



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					katraj, Pune, 411046)	
18	Development of Desiccant Dehumidification System for Agriculture Application	Mr. K. S. Rambhad	2019	2,85,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	42
19	Online Movie Ticket Booking system	Mrs. Ashwini Tekale	2019	85,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, 20katraj, Pune, 411046)	42
20	Use of coir fibre in concrete mix.	Dr. S. D. Kore	2018	45000	Nikhil Construction	47
21	Utilization of Bagasse ash and Sugarcane Bagasse in Concrete.	Prof. V. Nalawade	2018	55000	Nikhil Construction	52
22	Use of coir fibre in concrete mix.	Dr. S. D. Kore	2018	1,00,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	57
23	Utilization of Bagasse ash and Sugarcane Bagasse in Concrete.	Mr. S. S. Deshpande	2018	1,00,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	57
24	Image based Gesture Recognition using Image Processing Techniques	Ms. J. S. Kharat	2018	1,25,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd	57



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DIRECTOR

					floor, katraj, Pune, 411046)	
25	Development of a Precision IoT and ML based Crop Monitoring System	Dr. M. M. Sardeshmukh	2018	1,25,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	57
26	Advance Manufacturing Process for 3-D Printing and its Application	Mr. R. M. Deshmukh	2018	1,20,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	57
27	Micro Cutting Tools Fabrication for the Mechanical Micro-Maching	Mr. M. U. Gaikwad	2018	1,30,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	57
28	Abrasive Water Jet Machining of CompositeMaterials- Manufacturing	Mr. S. S. KALE	2018	1,30,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	57
29	Development of Solar Drying System for Agriculture Application	Mr. S. P. Kadu	2018	2,95,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	57



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B.Tech (E&TC) M.Tech (E&TC),Ph.D.(Engg.)  
DIRECTOR

30	Online Magazine Management System	Mrs. Deepika Sarwate	2018	55,000.00	Bhairavnath suger works Ltd. (Sawant corner, 3rd floor, katraj, Pune, 411046)	57
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**Dr. M. M. Sardeshmukh**  
Director  
JSPM Narhe Technical Campus  
Narhe, Pune - 411041





# NIKHIL CONSTRUCTION

Specialist in Civil & Concrete Work,  
Manufacturing & Supplying of Crushed Sand, Metal and B.M.C.

**HEAD OFFICE:**  
917 Ashok Society, Durga Nagar,  
Senapati Bapat Road, Pune - 411 016  
Mobile: 9822015471, 9850971012, 9850883744  
• E-mail: [nikhilconstruction@yahoo.com](mailto:nikhilconstruction@yahoo.com)

**CORPORATE OFFICE:**  
"SAHITHA", 7210, Shree Swayambiddha Hsg. Soc.,  
Opp. Shinde Hospital, B.S. Road, New Path, Pune - 411 001  
Phone: + 91 20 24536007, Mobile: + 91 8888 809 957  
• Website: [www.nikhilgroup.in](http://www.nikhilgroup.in)

Reference No. 2022/108

Date: 25/02/2022

To,  
**Dr. S. B. Khaple**  
**HOD Civil Dept.,**  
Department of civil engineering  
JSPM Narhe Technical Campus, Narhe. Pune

**Subject: Acceptance of research proposal for, "Strength and Durability Characteristics of Concrete by Using Nanosilica- Nanovanadium Mixture"**

**Dear Dr. S. B. Khaple**

I am writing on behalf of Nikhil Construction to let you know that we have accepted "Strength and Durability Characteristics of Concrete by Using Nanosilica- Nanovanadium Mixture", proposal for our organization. Out of all the proposals we received, we felt that yours was closest to what we had in mind for our company and the most realistic in terms of reaching our goals in the allotted time. You may be interested to know that the proposal was unanimously agreed upon by our board of directors.

We would like to begin the project as soon as possible and look forward to meeting with you and receiving the necessary paperwork. To discuss this matter further, please contact me at your convenience at 9834147757. We look forward to hearing back from you and will return any messages as quickly as possible.

We are greatly appreciative of all of Acme Construction & Consulting's hard work and cooperation with us on this project. We are looking forward to continued cooperation with you as our business expansion becomes a reality. We thank you for your consideration in this matter and will be on the lookout for your prompt response.

Yours Truly,

Yours Truly,

**Mr. Gajanan Late**  
Technical Manager  
Nikhil Construction





# NIKHIL CONSTRUCTION

Specialist in Civil & Concrete Work,  
Manufacturing & Supplying of Crushed Sand, Metal and R.M.C.

## HEAD OFFICE:

91/Ashok Society, Durga Nagar,  
Senapati Bapat Road, Pune - 411 016.  
Mobile : 9822015471, 9850971012, 9850809744  
• E-mail : nikhil.construction@yahoo.com

## CORPORATE OFFICE :

'SARTHAK', 72/73 - Shree Swayamsiddha Hsg. Soc.,  
Opp: Bhide Hospital, L.S.S. Road, Navi Path, Pune - 39.  
Phone : + 91 20 24530007, Mobile : + 91 9888 999 987  
• Website : www.nikhilgroup.in

Ref. No.:308

Date:15/03/2022

To,  
The Director  
JSPM's Narhe Technical  
Campus, Narhe Pune-411041

Sub: Budget Expenditure for Project entitled as "**Strength and Durability Characteristics of Concrete by Using Nanosilica- Nanovanadium Mixture**".

Dear Sir,

As per the budget of Rs.52, 000/-sanctioned for your proposal for Project entitled as "**Strength and Durability Characteristics of Concrete by Using Nanosilica- Nanovanadium Mixture**". The details of amount disbursed as below;

Sr. No.	Particulars	Expenditure Amount in Rs.
1	Equipments	NIL
2	Books & Journals	4000
3	Chemicals & Consumables	15000
4	Hiring Services	25000
5	Field Wok & Travel	5000
6	Contingency	3000
TOTAL		52000

Thanking You.

Yours Truly,

Mr. Gajanan Late  
Technical Director  
Nikhil Construction, Pune





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• E-mail: [nikhilconstruction@yahoo.com](mailto:nikhilconstruction@yahoo.com)

## CORPORATE OFFICE:

SARJAN, 7210, Shree Swayamiddha Hsg Soc.,  
Opp. Bhoje Hospital, B.S. Road, New Pimpri, Pune - 411 009  
Phone: + 91 20 24536007, Mobile: + 91 8888 603 967  
• Website: [www.nikhilgroup.in](http://www.nikhilgroup.in)

Ref. No.:2021-22/185

Date: 26/04/2022

To  
The Director,  
JSPM's Narhe Technical Campus,  
Narhe, Pune-411041

Sub: Sanctioned the budget for Project entitled as, **“Strength and Durability Characteristics of Concrete by Using Nanosilica- Nanovanadium Mixture”**.

Dear Sir,

As per the budget of Rs. 52,000/- mentioned in your proposal for Project entitled as **“Strength and Durability Characteristics of Concrete by Using Nanosilica- Nanovanadium Mixture”**. We are glad to inform you that budget of Rs. 52,000/- **(in words Fifty Two Thousand Only)** for your proposal have been sanctioned. Let us know if any extra requirement for the smooth completion of project.

Thanking You.

Yours Truly,

**Mr. Gajanan Late**  
Technical Manager  
Nikhil Construction





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Opp. Shide Hospital, B.S. Road, New Path, Pune - 411 001  
Phone: + 91 20 24536007, Mobile: + 91 8888 809 957  
• Website: [www.nikhilgroup.in](http://www.nikhilgroup.in)

## CERTIFICATE OF COMPLETION

**Date:-**28/05/2022

**Ref. No.:** JSPM/NTC/ CIVIL/21-22/185

This is to certify that **Dr.S.B.Khapse** has successfully completed Research project work titled, “**Strength and Durability Characteristics of Concrete by Using Nanosilica-Nanovanadium Mixture**” He has conducted project work during 14/07/2021 to 28/05/2022 at Nikhil Construction, Pune.

We, Nikhil Construction, Pune wish him all success in his future endeavors and look for same in future also.

Regards,

Yours Truly,

Mr. Gajanan Late  
Technical Manager  
Nikhil Construction





Jayawant Shikshan Prasarak Mandal's  
**JSPM Narhe Technical Campus**

S. No. 12/2/2 and 14/9, Narhe, Tal : Haveli, Dist.: Pune – 411041

Phone : +91 20 2460 8700, 701, 702 Email : director@jspmntc.edu.in Web : www.jspmntc.edu.in

Affiliated to Savitribai Phule Pune University. Approved by AICTE New Delhi and DTE Maharashtra.

DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874



**DEPARTMENT OF CIVIL ENGINEERING**

**Ref.:JSPM/NTC/2020-2021/CIVIL/45**

**Date:14<sup>th</sup> July, 2021**

To,  
The Technical Director  
Nikhil Construction,  
Pune

**Subject:**Seeking Permission for Sponsoring Research Work.

**Respected sir,**

With reference to the above subject, our faculty **Dr.S.B.Khaple**, seeking permission for carrying out research project entitled “**Strength and Durability Characteristics of Concrete by Using Nanosilica- Nanovanadium Mixture**”. Research proposal and derailed estimate of project is attached with this letter. Kindly sponsor the research project.

Thank you for consideration.

With Best Regards,

Dr.S.B.Khaple  
HOD.civil Dept  
Department of Civil Engineering,  
JSPM Narhe Technical Campus, Pune.

**Dr. S. B. Khaple**  
R & D Coordinator,  
Department of Civil  
Engineering

**Dr. S. B. Khaple**  
Head,  
Department of Civil  
Department





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DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874



**DEPARTMENT OF CIVIL ENGINEERING**

Ref. No. JSPM/NTC/ CIVIL/ 2021-22/ 107

Date 20/05/2022

To,  
The Technical Director  
Nikhil Construction,  
Pune

**Subject: Submission of Project Closure Report for project Titled, “Strength and Durability Characteristics of Concrete by Using Nanosilica- Nanovanadium Mixture”**

Respected Sir/Madam,

This is to inform you that the project Titled “**Strength and Durability Characteristics of Concrete by Using Nanosilica- Nanovanadium Mixture**” has been completed on 28/05/2022. I would like to thank the Staff & Research Society, Institutional Ethics Committee and Dean for permitting me to conduct the study. I shall submit the detailed Report within 2 week.

Thanking you.

With Best Regards,

**Dr.S,B.Khaple.**

Assistant Professor

Department of Civil Engineering,

**Dr. S. B. Khaple**  
R & D Coordinator,  
Department of Civil  
Engineering

**Dr. S. B. Khaple**  
Head,  
Department of Civil  
Department





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Opp. Shide Hospital, B.S. Road, New Palm, Pune - 411 001  
Phone: + 91 20 24536007, Mobile: + 91 8888 809 957  
• Website: [www.nikhilgroup.in](http://www.nikhilgroup.in)

Reference No. 2021/108

Date: 12/07/2021

To,  
**Dr. S. B. Khaple**  
HOD Civil Dept.,  
Rushikesh kale,  
Mehul Ahirrao,  
Sourab hmohite,  
Pramod baviskar  
Department of civil engineering  
JSPM Narhe Technical Campus, Narhe. Pune

**Subject: Acceptance of research proposal for, "Strength and Durability Characteristics of Concrete by Using Nanosilica- Nanovanadium Mixture"**

**Dear Dr. S. B. Khaple and his team,**

I am writing on behalf of Nikhil Construction to let you know that we have accepted, "Strength and Durability Characteristics of Concrete by Using Nanosilica- Nanovanadium Mixture", proposal for our organization. Out of all the proposals we received, we felt that yours was closest to what we had in mind for our company and the most realistic in terms of reaching our goals in the allotted time. You may be interested to know that the proposal was unanimously agreed upon by our board of directors.

We would like to begin the project as soon as possible and look forward to meeting with you and receiving the necessary paperwork. To discuss this matter further, please contact me at your convenience at 9834147757. We look forward to hearing back from you and will return any messages as quickly as possible.

We are greatly appreciative of all of Acme Construction & Consulting's hard work and cooperation with us on this project. We are looking forward to continued cooperation with you as our business expansion becomes a reality. We thank you for your consideration in this matter and will be on the lookout for your prompt response.

Yours Truly,

**Mr. Gajanan Late**  
Technical Manager  
Nikhil Construction





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Opp: Bhide Hospital, L.S.S. Road, Navi Path, Pune - 39.  
Phone : + 91 20 24530007, Mobile : + 91 9822 999 987  
• Website : www.nikhilgroup.in

Ref. No.:309

Date:22/03/2022

To,  
The Director  
JSPM's Narhe Technical Campus, Narhe  
Pune-411041

Sub: Budget Expenditure for Project entitled as **“Manufacturing of Bricks Using Fly Ash and Rice Husk”**.

Dear Sir,

As per the budget of Rs.52, 000/-sanctioned for your proposal for Project entitled as **“Manufacturing of Bricks Using Fly Ash and Rice Husk”**.The details of amount disbursed as below;

Sr. No.	Particulars	Expenditure Amount in Rs.
1	Equipments	NIL
2	Books & Journals	4000
3	Chemicals & Consumables	15000
4	Hiring Services	25000
5	Field Wok & Travel	5000
6	Contingency	3000
TOTAL		52000

Thanking You.

Yours Truly,

Mr. Gajanan Late  
Technical Director  
Nikhil Construction, Pune







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• E-mail: [nikhilconstruction@yahoo.com](mailto:nikhilconstruction@yahoo.com)

**CORPORATE OFFICE:**  
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Opp. Bhoje Hospital, B.S. Road, New Peth, Pune-20.  
Phone: + 91 20 24536007, Mobile: + 91 8888 603 567  
• Website: [www.nikhilgroup.in](http://www.nikhilgroup.in)

Ref. No.:2021-22/185

Date: 28/04/2022

To  
The Director,  
JSPM's Narhe Technical Campus,  
Narhe, Pune-411041

Sub: Sanctioned the budget for Project entitled as, "**Manufacturing of Bricks Using Fly Ash and Rice Husk**".

Dear Sir,

As per the budget of Rs. 52,000/- mentioned in your proposal for Project entitled as "**Manufacturing of Bricks Using Fly Ash and Rice Husk**". We are glad to inform you that budget of Rs. 52,000/- (**in words Fifty Two Thousand Only**) for your proposal have been sanctioned. Let us know if any extra requirement for the smooth completion of project.

Thanking You.

Yours Truly,

**Mr. Gajanan Late**  
Technical Manager  
Nikhil Construction





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Opp. Shide Hospital, B.S. Road, New Path, Pune - 411 001  
Phone: + 91 20 24536007, Mobile: + 91 8888 809 957  
• Website: [www.nikhilgroup.in](http://www.nikhilgroup.in)

## CERTIFICATE OF COMPLETION

**Date:-**28/05/2022

**Ref. No.:** JSPM/NTC/ CIVIL/21-22/185

This is to certify that **Prof.A.S.Jadhav** has successfully completed Research project work titled, "**Manufacturing of Bricks Using Fly Ash and Rice Husk**" He has conducted project work during 24/07/2021 to 26/05/2022 at Nikhil Construction, Pune.

We, Nikhil Construction, Pune wish him all success in his future endeavors and look for same in future also.

Regards,

Yours Truly,

Mr. Gajanan Late  
Technical Manager  
Nikhil Construction





Jayawant Shikshan Prasarak Mandal's  
**JSPM Narhe Technical Campus**

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DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874



**DEPARTMENT OF CIVIL ENGINEERING**

**Ref.:JSPM/NTC/2021-2022/CIVIL/47**

**Date:24<sup>th</sup> July, 2021**

To,  
The Technical Director  
Nikhil Construction,  
Pune

**Subject:** Seeking Permission for Sponsoring Research Work.

**Respected sir,**

With reference to the above subject, our faculty **Prof.A.S.Jadhav** , seeking permission for carrying out research project entitled “**Manufacturing of Bricks Using Fly Ash and Rice Husk**”. Research proposal and derailed estimate of project is attached with this letter. Kindly sponsor the research project.

Thank you for consideration.

With Best Regards,

Dr.S.B.Khaple  
HOD.civil Dept  
Department of Civil Engineering,  
JSPM Narhe Technical Campus, Pune.

**Dr. S. B. Khaple**  
R & D Coordinator,  
Department of Civil Engineering

**Dr. S. B. Khaple**  
Head,  
Department of Civil  
Department





Jayawant Shikshan Prasarak Mandal's  
**JSPM Narhe Technical Campus**

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Affiliated to Savitribai Phule Pune University. Approved by AICTE New Delhi and DTE Maharashtra.

DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874



**DEPARTMENT OF CIVIL ENGINEERING**

Ref.:JSPM/NTC/2020-2021/CIVIL/45

Date: 9<sup>th</sup> July, 2020

To,  
The Technical Director  
Nikhil Construction,  
Pune

**Subject:** Seeking Permission for Sponsoring Research Work.

**Respected sir,**

With reference to the above subject, our faculty **Prof. M. D. Anap**, seeking permission for carrying out research project entitled, “**Air Pollutant Characteristics and Control**”.

Research proposal and detailed estimate of project is attached with this letter. Kindly sponsor the research project.

Thank you for consideration.

With Best Regards,

**Prof. M. D. Anap**  
Assistant Professor  
Department of Civil Engineering,  
JSPM Narhe Technical Campus, Pune.

**Dr. S. B. Khaple**  
R & D Coordinator,  
Department of Civil Engineering

**Dr. S. A. Chaudhari**  
Head,  
Department of Civil Department



# **Research Project Proposal**

**Project Title: Air Pollutant Characteristics and Control**

**Submitted to:**

**Mr. Gajanan Late**  
Technical Manager  
Nikhil Construction

**By:** **Prof. M. D. Anap, (Assitant Professor)**  
**Waghela Hitesh,**  
**Chotaliya Jaydeep,**  
**Brijesh Kumar Pandit,**  
**Amane Sanjaykumar**  
Department of Civil Engineering  
JSPM NTC, Narhe, Pune

# Research Project Status Report

1. Broad subject area: **Environmental Engineering**

2. Specialization: **Air Pollution and Control**

3. Title of the proposed project: **“Air Pollutant Characteristics and Control”**

4. Name and address of the Principal Investigator:

**Prof. M. D. Anap**, Assistant Professor, Department of Civil Engineering

JSPM, Narhe Technical Campus,

S. No. 12/2/2 and 14/9 Narhe, Tal : Haveli, Dist.: Pune - 411041.

Phone: 020- 24608700 (Office), 07249830830 (Mobile)

**E-mail:** mahesh.anap1988@gmail.com

**5. Reporting Period:** July 2020 to May 2021

## **6. Project Description:**

Air pollution occurs when gases, dust particles, fumes (or smoke) or odour are introduced into the atmosphere in a way that makes it harmful to humans, animals and plant. Air pollution threatens the health of humans and other living beings in our planet. It creates smog and acid rain, causes cancer and respiratory diseases, reduces the ozone layer atmosphere and contributes to global warming. Along with the rapid development of modern industry and the impact of human life, the air quality of big cities is getting worse and worse currently. Urbanization increased population density in cities and consequently leads to severe indoor air pollution. As a result of these trends, the issue of sustainable and healthy indoor environment has received increasing attention. Inhaled particulate matter (PM<sub>2.5</sub>) in the body can cause diseases such as asthma, bronchitis, and endanger people's health. Air filtration is one of the most effective ways to diminish this problem, in which the air filter materials are focused. Various air filtration techniques have been adopted to optimize indoor air quality. Air filtration technique can remove air pollutants and effectively alleviate the deterioration of indoor air quality. The aim has been to bring down the costs without compromising on efficiency as efficient air purification is an expensive deal, which

will make the air purifier economical and will allow the user to use it decisively. An attempt has made to design a Air Purifier, which is better than current available purifiers, using electret methods of fibres. Along with designing the cost of the purification unit and results using CFD are also been discussed.

**Keywords:** Air Pollution, Indoor Air Quality, Electret, Filters, CFD

## 1.2 Problem statement

To reduce air pollution by targeting major air pollutants like PM2.5, PM10, Ozone etc. using electret properties of fibers.

## 1.3 Objectives

- 1 To study different types of air pollutant and its sources along with its impact on environment and humans.
- 2 To study/compare technologies and use best suitable technology for the filter.
- 3 To design a virtual model.
- 4 To obtain the results computationally.

## 1.4 Limitations of study

1. Experimentation on the actual model using different technologies would be costly so we are totally relying on software.
- 2 Testing the model in lab and on the field may give different results, so analysing the actual efficiency is difficult.

## 1.5 Expected outcomes

- 1 The following technology will make the air purifier more efficient.
- 2 Unlike other purifier it will have a high efficiency of capturing PM2.5
- 3 This purification unit can be installed by replacing any window which will result in improving surrounding air quality.

## 1.6 Future scope

- 1 Physical working model can be prepared based on this technology.
- 2 In highly polluted areas, this unit can be installed instead of current filters to get better results.
- 3 Expensive different nano-fibers can be used to get even higher efficiency

### Time Schedule:

Sr. No.	Activity	Duration
1	Procurement and Installation of infrastructure facilities Knowledge acquisition for development of the proposed system	3month
2	Design of the proposed system	4month
3	Testing and verification of the system	3month

### Details of financial requirements

Sr. No.	Particulars	Expenditure Amount in Rs.
1	Equipment	NIL
2	Books & Journals	4000
3	Chemicals & Consumables	15000
4	Hiring Services	25000
5	Field Wok & Travel	5000
6	Contingency	3000
<b>TOTAL</b>		<b>52000</b>



**Prof. M. D. Anap**

Assistant Professor

Department of Civil Engineering,

JSPM Narhe Technical Campus, Pune.



**Dr. S. B. Khaple**

R & D Coordinator,

Department of Civil Engineering



**Dr. S. A. Chaudhari**

Head,

Department of Civil Department





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Opp. Bhido Hospital, L. B. S. Road, Navi Peth, Pune - 30  
Phone : + 91 20 24530007 Mobile : + 91 8888 809 967  
• Website : [www.nikhilgroup.in](http://www.nikhilgroup.in)

Ref. No.: 2020-21 / 185

Date: 20/07/2020

To  
The Director,  
JSPM's Narhe Technical Campus,  
Narhe, Pune-411041

Sub: Sanctioned the budget for Project entitled as, "**Air Pollutant Characteristics and Control**".

Dear Sir,

As per the budget of Rs. 52,000/- mentioned in your proposal for Project entitled as, "**Air Pollutant Characteristics and Control**". We are glad to inform you that budget of Rs. 52,000/- (**in words Fifty Two Thousand Only**) for your proposal have been sanctioned. Let us know if any extra requirement for the smooth completion of project.

Thanking You.

Yours Truly,

**Mr. Gajanan Late**  
Technical Manager  
Nikhil Construction





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Opp. Bhido Hospital, L.B.S. Road, Navi Peth, Pune - 30  
Phone : • 91 20 24530007, Mobile : • 91 8888 809 967  
• Website : www.nikhilgroup.in

Reference No. 2020/108

Date: 12/07/2020

**To,**  
**Prof. M. D. Anap**  
Assistant Professor  
Department of civil engineering  
JSPM Narhe Technical Campus, Narhe. Pune

**Subject: Acceptance of research proposal for, "Air Pollutant Characteristics and Control".**

**Dear Prof. M. D. Anap,**

I am writing on behalf of Nikhil Construction to let you know that we have accepted, "Air Pollutant Characteristics and Control", proposal for our organization. Out of all the proposals we received, we felt that yours was closest to what we had in mind for our company and the most realistic in terms of reaching our goals in the allotted time.

You may be interested to know that the proposal was unanimously agreed upon by our board of directors.

We would like to begin the project as soon as possible and look forward to meeting with you and receiving the necessary paperwork. To discuss this matter further, please contact me at your convenience at 9834147757. We look forward to hearing back from you and will return any messages as quickly as possible.

We are greatly appreciative of all of Acme Construction & Consulting's hard work and cooperation with us on this project. We are looking forward to continued cooperation with you as our business expansion becomes a reality. We thank you for your consideration in this matter and will be on the lookout for your prompt response.

Yours Truly,

Yours Truly,

**Mr. Gajanan Late**  
Technical Manager  
Nikhil Construction





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**CORPORATE OFFICE :**

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Phone : + 91 20 24530007, Mobile : + 91 8888 809 967  
• Website : www.nikhilgroup.in

## CERTIFICATE OF COMPLETION

**Date:-** 25/09/2021

**Ref. No.:** JSPM/NTC/ CIVIL/20-21/185

This is to certify that **Prof. M. D. Anap** has successfully completed Research project work titled, “**Air Pollutant Characteristics and Control**”. He has conducted project work during 12/07/2020 to 25/09/2021 at Nikhil Construction, Pune.

We, Nikhil Construction, Pune wish him all success in his future endeavors and look for same in future also.

Regards,

Yours Truly,

Mr. Gajanan Late  
Technical Manager  
Nikhil Construction





# NIKHIL CONSTRUCTION

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Mobile : 9822015471, 9850971012, 9850800744  
• E-mail : nikhil.construction@yahoo.com

**CORPORATE OFFICE :**  
"SARTHAK", 721/3 - Shree Swayamsiddha Hsg. Soc.,  
Opp. Bhide Hospital, L.B.S. Road, Navi Peth, Pune - 30.  
Phone : + 91 20 24530007, Mobile : + 91 8888 809 967  
• Website : www.nikhilgroup.in

Ref. No.: 308

Date: 25/04/2021

To,  
The Director  
JSPM's Narhe Technical Campus, Narhe  
Pune-411041

Sub: Budget Expenditure for Project entitled as, **"Air Pollutant Characteristics and Control"**.

Dear Sir,

As per the budget of Rs.52, 000/- sanctioned for your proposal for Project entitled as , **"Air Pollutant Characteristics and Control"**. The details of amount disbursed as below;

Sr. No.	Particulars	Expenditure Amount in Rs.
1	Equipments	NIL
2	Books & Journals	4000
3	Chemicals & Consumables	15000
4	Hiring Services	25000
5	Field Wok & Travel	5000
6	Contingency	3000
TOTAL		52000

Thanking You.

Yours Truly,

Mr. Gajanan Late  
Technical Director  
Nikhil Construction, Pune





Jayawant Shikshan Prasarak Mandal's  
**JSPM Narhe Technical Campus**

S. No. 12/2/2 and 14/9, Narhe, Tal : Haveli, Dist.: Pune – 411041

Phone : +91 20 2460 8700, 701, 702 Email : director@jspmntc.edu.in Web : www.jspmntc.edu.in

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DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874



**DEPARTMENT OF CIVIL ENGINEERING**

Ref. No. JSPM/NTC/ CIVIL/ 2019-20/ 107

Date 25/09/2021

To,  
The Technical Director  
Nikhil Construction,  
Pune

**Subject: Submission of Project Closure Report for project Titled, “Air Pollutant Characteristics and Control”.**

Respected Sir/Madam,

This is to inform you that the project Titled, “**Air Pollutant Characteristics and Control**”, has been completed on 25/09/2021.

I would like to thank the Staff & Research Society, Institutional Ethics Committee and Dean for permitting me to conduct the study. I shall submit the detailed Report within 2 week.

Thanking you.

With Best Regards,

**Prof. M. D. Anap.**  
Assistant Professor  
Department of Civil Engineering,

**Dr. S. B. Khaple**  
R & D Coordinator,  
Department of Civil Engineering

**Dr. S. A. Chaudhari**  
Head,  
Department of Civil Department



# NIKHIL CONSTRUCTION

Specialist in Civil & Concrete Work,  
Manufacturing & Supplying of Crushed Sand, Metal and R.M.C

**HEAD OFFICE :**  
91/Ashok Society, Durga Nagar,  
Senapati Bapat Road, Pune - 411 016  
Mobile : 9822015471, 9850971012, 9850800744  
• E-mail : nikhil.construction@yahoo.com

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Opp. Bhido Hospital, L. B. S. Road, Navi Peth, Pune - 30  
Phone : + 91 20 24530007, Mobile : + 91 8888 809 967  
• Website : www.nikhilgroup.in

Reference No. 2020/197

Date: 11/07/2020

**To,**  
**Prof. S. S. Bansode**  
Assistant Professor  
Department of civil engineering  
JSPM Narhe Technical Campus, Narhe. Pune

**Subject: Acceptance of research proposal for, "Experimental Analysis of Grey Water Treatment Using Nano metal Oxides".**

**Dear Prof. S. S. Bansode,**

I am writing on behalf of Nikhil Construction to let you know that we have accepted, "Experimental Analysis of Grey Water Treatment Using Nano metal Oxides", proposal for our organization. Out of all the proposals we received, we felt that yours was closest to what we had in mind for our company and the most realistic in terms of reaching our goals in the allotted time.

You may be interested to know that the proposal was unanimously agreed upon by our board of directors.

We would like to begin the project as soon as possible and look forward to meeting with you and receiving the necessary paperwork. To discuss this matter further, please contact me at your convenience at 9834147757. We look forward to hearing back from you and will return any messages as quickly as possible.

We are greatly appreciative of all of Acme Construction & Consulting's hard work and cooperation with us on this project. We are looking forward to continue cooperation with you as our business expansion becomes a reality. We thank you for your consideration in this matter and will be on the lookout for your prompt response.

Yours Truly,

Yours Truly,

**Mr. Gajanan Late**  
Technical Manager  
Nikhil Construction





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Opp. Bhido Hospital, L.B.S. Road, Navi Peth, Pune - 30.  
Phone : + 91 20 24530007, Mobile : + 91 8888 809 967  
• Website : www.nikhilgroup.in

Ref. No.:2020/708

Date: 25/04/2021

To,  
The Director  
JSPM's Narhe Technical Campus, Narhe  
Pune-411041

Sub: Budget Expenditure for Project entitled as, **“Experimental Analysis of Grey Water Treatment Using Nano metal Oxides”**.

Dear Sir,

As per the budget of Rs. 48,000/- sanctioned for your proposal for Project entitled as, **“Experimental Analysis of Grey Water Treatment Using Nano metal Oxides”**. The details of amount disbursed as below;

Sr. No.	Particulars	Expenditure Amount in
1	Equipment	NIL
2	Books & Journals	3250
3	Chemicals & Consumables	24900
4	Hiring Services	10900
5	Field Work & Travel	5680
6	Contingency	3270
TOTAL		48000/-

Thanking You.

Yours Truly,

Mr. Gajanan Late  
Technical Director  
Nikhil Construction, Pune





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Specialist in Civil & Concrete Work,  
Manufacturing & Supplying of Crushed Sand, Metal and R.M.C.

**HEAD OFFICE :**  
91/Ashok Society, Durga Nagar,  
Senapati Bapat Road, Pune - 411 016  
Mobile : 9822015471, 9850971012, 9850800744  
• E-mail : [nikhil.construction@yahoo.com](mailto:nikhil.construction@yahoo.com)

**CORPORATE OFFICE :**  
"SARTHAK", 721/3 - Shree Swayamsiddha Hsg. Soc.,  
Opp. Bhido Hospital, L. B. S. Road, Navi Peth, Pune - 30  
Phone : + 91 20 24530007 Mobile : + 91 8888 809 907  
• Website : [www.nikhilgroup.in](http://www.nikhilgroup.in)

Ref. No.: 2020/450

Date: 20/07/2020

To  
The Director,  
JSPM's Narhe Technical Campus,  
Narhe, Pune-411041

Sub: Sanctioned the budget for Project entitled as, **“Experimental Analysis of Grey Water Treatment Using Nano metal Oxides”**.

Dear Sir,

As per the budget of Rs. 48,000/- mentioned in your proposal for Project entitled as, **“Experimental Analysis of Grey Water Treatment Using Nano metal Oxides”**. We are glad to inform you that budget of Rs. 48,000/- (**in words Forty Eight Thousand Only**) for your proposal have been sanctioned. Let us know if any extra requirement for the smooth completion of project.

Thanking You.

Yours Truly,

**Mr. Gajanan Late**  
Technical Manager  
Nikhil Construction







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**CORPORATE OFFICE :**

\*SARTHAK\*, 721/3 - Shree Swayamsiddha Hsg. Soc.,  
Opp. Bhido Hospital, L.B.S. Road, Navi Peth, Pune - 30  
Phone : + 91 20 24530007, Mobile : + 91 8888 809 967  
• Website : www.nikhilgroup.in

## CERTIFICATE OF COMPLETION

**Date:-** 27/04/2021

**Ref. No.:** JSPM/NTC/ CIVIL/20-21/79

This is to certify that **Prof. S. S. Bansode** has successfully completed Research project work titled, **“Experimental Analysis of Grey Water Treatment Using Nano metal Oxides”**. He has conducted project work during 11/07/2020 to 27/04/2021 at Nikhil Constructiton. Pune.

We, Nikhil Construction, Pune wish him all success in his future endeavors and look for same in future also.

Regards,

Yours Truly,

Mr. Gajanan Late  
Technical Manager  
Nikhil Construction





Jayawant Shikshan Prasarak Mandal's  
**JSPM Narhe Technical Campus**

S. No. 12/2/2 and 14/9, Narhe, Tal : Haveli, Dist.: Pune – 411041

Phone : +91 20 2460 8700, 701, 702 Email : director@jspmntc.edu.in Web : www.jspmntc.edu.in

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DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874



**DEPARTMENT OF CIVIL ENGINEERING**

Ref.:JSPM/NTC/2020-2021/CIVIL/049

Date: 4<sup>th</sup> July, 2020

To,  
The Technical Director  
Nikhil Construction,  
Pune

**Subject:** Seeking Permission for Sponsoring Research Work.

**Respected sir,**

With reference to the above subject, our faculty **Prof. S. S. Bansode**, seeking permission for carrying out research project entitled, “**Experimental Analysis of Grey Water Treatment Using Nano Metal Oxides**”.

Research proposal and detailed estimate of project is attached with this letter. Kindly sponsor the research project.

Thank you for consideration.

With Best Regards,

**Prof. S. S. Bansode.**

Assistant Professor  
Department of Civil Engineering,  
JSPM Narhe Technical Campus, Pune.

**Dr. S. B. Khaple**  
R & D Coordinator,  
Department of Civil Engineering

**Dr. S. A. Chaudhari**  
Head,  
Department of Civil Department





Date:- 23.10.2020

To,  
The Principal  
JSPM's Narhe Technical Campus,  
Narhe, Pune

**Subject: Sanction of research grant.**

This is with reference to your research grant sanction letter dated 09.10.2020, we are happy to convey you that your research proposal on **IoT based engineering projects** for amount of **Rs. 75000/-** is sanctioned by the board of directors for the year 2020-21.

Sanction of the grant is subject to Terms & Conditions mentioned as per company policy.

In addition, the investigators must submit Annual Progress Report of each of the project, at the end of the year mentioning the progress of the work. Also investigators will have to submit Fund Utilization Certificate and Audited Accounts copy, if any.

With best regards,

Sincerely,



Shradha Engineers, Pune



Jayawant Shikshan Prasarak Mandal's  
**JSPM Narhe Technical Campus**

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DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874



**Prof.(Dr.)T. J.Sawant**  
D.E.E., B.E.(Electrical), Ph.D., MISTE  
Founder - Secretary

**Prof.(Dr.) R.K.Lad**  
B.E.(Civil), M.E (Env Engg.) Ph.D (Engg.)  
DIRECTOR

Ref.: JSPM/NTC/IRC/2020-2021

Date: 25/10/2020

To,

The Principal Investigators,

JSPM Narhe Technical campus

Pune-411041

Subject: Distribution of funds under corporate social responsibility for research project.

Dear Principal Investigators,

Internal research centre (IRC) has received your research proposal. We had received funds from different agencies for this work. Institute is glad to inform you that your proposal is considered by the IRC for further research work.

The distribution of the amount is as follows:

Sr.no.	Project title	Principal Investigators	Amounts(Rs.)
1	IOT Based Power Measurement project	Dr. M.M. Sardeshmukh, DR. Sajid Shaikh	75,000.00



  
**Dr. R. K. Lad**  
Director

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Near Kaka Chavhan High School, Dhayari, Pune - 41  
Email : pathaktechnosolution@gmail.com, Mobile : +91 9604799389 / +91 9689900660

**MULTI SERVICE PROVIDER**  
(Customized Manufacture Supplier)

**Date:- 18.12.2020**

**To,**  
**The Principal**  
**JSPM's Narhe Technical Campus, Narhe**  
**Narhe, Pune.**

**Subject:** Sanctioning of funds for Research Projects of the Institute.

**Reference:** Your request letter dated 05.10.2020.

With reference to your letter and subsequent submission of research proposal, we are glad to inform you that the research projects on thermal engineering have been accepted by the management for consideration of financial assistance.

You are instructed to comply with timelines mutually agreed upon for submission of final outcome of research project. The maximum amount sanctioned for these projects is **Rs. 1,55,000/-** for the duration of year 2020-21.

Further we assure you that the researcher will be permitted to avail all laboratory facilities of the organization as and when requested.

Warm regards and thanks ,

Yours,

  
  
Pathak Techno Solutions



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**HEAD OFFICE :**  
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• E-mail : nikhil.construction@yahoo.com

**CORPORATE OFFICE :**  
"SARTHAK", 721/3 - Shree Swayamsiddha Hsg. Soc.,  
Opp. Bhide Hospital, L.B.S. Road, Navi Peth, Pune - 30.  
Phone : + 91 20 24530007, Mobile : + 91 8888 809 967  
• Website : www.nikhilgroup.in

Ref. No.: 410

Date: 10/03/2020

To,  
The Director  
JSPM's Narhe Technical Campus, Narhe  
Pune-411041

Sub: Budget Expenditure for Project entitled as, **"Investigation of Ground Water Vein Using Light Interference Technique in Pune City"**.

Dear Sir,

As per the budget of Rs.,100000/- sanctioned for your proposal for Project entitled as, **"Investigation of Ground Water Vein Using Light Interference Technique in Pune City"**. The details of amount disbursed as below;

Sr. No.	Particulars	Expenditure Amount in Rs.
1	Equipments	NIL
2	Books & Journals	4500
3	Chemicals & Consumables	35000
4	Hiring Services	40000
5	Field Wok & Travel	16000
6	Contingency	4500
TOTAL		100000

Thanking You.

Yours Truly,

Mr. Gajanan Late  
Technical Director  
Nikhil Construction, Pune





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Opp. Bhida Hospital, L. B. S. Road, Navi Peth, Pune - 30  
Phone : + 91 20 24530007 Mobile : + 91 8888 809 967  
• Website : www.nikhilgroup.in

Ref. No.: 2019-20 / 215

Date: 17/08/2019

To  
The Director,  
JSPM's Narhe Technical Campus,  
Narhe, Pune-411041

Sub: Sanctioned the budget for Project entitled as, "**Investigation of Ground Water Vein Using Light Interference Technique in Pune City**".

Dear Sir,

As per the budget of Rs. 1,00,000/- mentioned in your proposal for Project entitled as, "**Investigation of Ground Water Vein Using Light Interference Technique in Pune City**". We are glad to inform you that budget of Rs. 1,00,000/- (**In Words One Lakh Only**) for your proposal have been sanctioned. Let us know if any extra requirement for the smooth completion of project.

Thanking You.

Yours Truly,

**Mr. Gajanan Late**  
Technical Manager  
Nikhil Construction





# NIKHIL CONSTRUCTION

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• Website : www.nikhilgroup.in

## CERTIFICATE OF COMPLETION

**Date:-** 12/02/2020

**Ref. No.:** JSPM/NTC/ CIVIL/19-20/126

This is to certify that **Dr. S. B. Khaple** has successfully completed Research project work titled, "**Investigation of Ground Water Vein Using Light Interference Technique in Pune City**". He conducted project work from 17/08/2019 to 12/02/2020 at Nikhil Construction, Pune.

We, Nikhil Construction, Pune wish him all success in his future endeavors and look for the same in future also.

Regards,

Yours Truly,

Mr. Gajanan Late  
Technical Manager  
Nikhil Construction







Jayawant Shikshan Prasarak Mandal's  
**JSPM Narhe Technical Campus**

S. No. 12/2/2 and 14/9, Narhe, Tal: Haveli, Dist.: Pune - 411041

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DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874



**DEPARTMENT OF CIVIL ENGINEERING**

Ref.:JSPM/NTC/2019-2020/CIVIL/37

Date: 17<sup>th</sup> July, 2019

To,  
The Technical Director  
Nikhil Construction,  
Pune

**Subject:** Seeking Permission for Sponsoring Research Work.

**Respected sir,**

With reference to the above subject, our faculty **Dr. S. B. Khaple**, seeking permission for carrying out research project entitled, "**Investigation of Ground Water Vein Using Light Interference Technique in Pune City**".

Research proposal and derailed estimate of project is attached with this letter. Kindly sponsor the research project.

Thank you for consideration.

With Best Regards,

**Dr. S. B. Khaple**  
Assistant Professor  
Department of Civil Engineering,  
JSPM Narhe Technical Campus, Pune.

**Dr. S. B. Khaple**  
R & D Coordinator,  
Department of Civil Engineering

**Dr. S. A. Chaudhari**  
Head,  
Department of Civil Department





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Phone : + 91 20 24530007, Mobile : + 91 8888 809 967  
• Website : www.nikhilgroup.in

Reference No. 2019/108

Date: 17/08/2019

**To,**  
**Dr. S. B. Khaple**  
Assistant Professor,  
Department of civil engineering  
JSPM Narhe Technical Campus, Narhe. Pune

**Subject: Acceptance of research proposal for, "Investigation of Ground Water Vein Using Light Interference Technique in Pune City".**

**Dear Dr. S. B. Khaple,**

I am writing on behalf of Nikhil Construction to let you know that we have accepted, "Utilization of Bagasse ash and Sugarcane Bagasse in Concrete", proposal for our organization. Out of all the proposals we received, we felt that yours was closest to what we had in mind for our company and the most realistic in terms of reaching our goals in the allotted time.

You may be interested to know that the proposal was unanimously agreed upon by our board of directors.

We would like to begin the project as soon as possible and look forward to meeting with you and receiving the necessary paperwork. To discuss this matter further, please contact me at your convenience at 9834147757. We look forward to hearing back from you and will return any messages as quickly as possible.

We are greatly appreciative of all of Acme Construction & Consulting's hard work and cooperation with us on this project. We are looking forward to continued cooperation with you as our business expansion becomes a reality. We thank you for your consideration in this matter and will be on the lookout for your prompt response.

Thank you.

Yours Truly,

**Mr. Gajanan Late**  
Technical Manager  
Nikhil Construction





# Bhairavnath Sugar Works Ltd.

Factory Address: S.NO.68,At Post: Sonari,Tal: Paranda,Dist:Osmanabad-413505

(Maharashtra).Phone:(02477) 234055 Email: bhairavnathsugar@gmail.com

GSTIN-27AADCB0529M1ZN, PAN NO.AADCB0529M CIN NO.:U15421PN2000PLC134301

Ref. No.: BSWL-PUNE/SONARI/2019-20

Date: 17/07/2019

To,  
The Director,  
JSPM Narhe Technical Campus,  
Narhe, Pune-41

**Subject: Releasing of funds for Educational Institute for research**

**Ref.: Your letter No.: JSPM/NTC/CSR/2019-20/661 /Dt. 29.06.2019**

Sir,

With reference to the above mentioned subject, we would like to informed you that M/s. Bhairavnath Sugar Works Ltd. helps Teaching faculty Members. Under Graduate and Post Graduate students by providing funds for research under Corporate Social Responsibility (CSR). As, per the decision of management it has been decided that to allocate funds for fostering research. We are glad to inform you that the amount of Rs.10,70,000/- has been allocated for your institute.



Executive Director  
Bhairavnath Sugar Works Ltd.



Jayawant Education Prasarak Mandal's  
**JSPM Narhe Technical Campus**



S. No. 12/2/2 and 14/9, Narhe, Tal: Haveli, Dist: Pune-411041  
Phone: +91 20 2460 8700, 701, 702 Email: director@jspmntc.edu.in Web: www.jspmntc.edu.in  
Affiliated to Savitribai Phule Pune University. Approved by AICTE New Delhi and DTE Maharashtra.  
DTE Code: 6755 PUN Code: CEGP019070 AISHE Code: C-45874

Prof.(Dr.) T. J. Sawant  
D.E.E., B.E.(Electrical), Ph.D., MISTE  
Founder - Secretary

Prof.(Dr.) R.K.Lad  
B.E.(Civil), M.E.(Env Engg.) Ph.D.(Engg.)  
DIRECTOR

Ref: JSPM/NTC/CSR/2019-20/661

Date: 29/06/2019

To  
The Managing Director  
Bhairavnath Sugar Works Ltd  
A/p.: Sonari, Tal: Paranda,  
Dist: Osmanabad-413505

**Subject: Requisition for sanctioning of research fund**

Respected Sir,

An environmental friendly green campus; "JSPM Narhe Technical Campus" (JSPMNTC) was established in 2011. The Institute is approved by AICTE, New Delhi and is affiliated to Savitribai Phule Pune University (SPPU), Pune. This institute is accredited by National Assessment and Accreditation Council (NAAC).

The College being a technical campus offers UG programs (Bachelor of Engineering) in Civil, Computer, Electronics & Telecommunication and Mechanical Engineering. PG programs (Master of Engineering) are offered in Computer, Electronics & Telecommunication and Mechanical Engineering. It also offers PG programs in Master of Business Administration and Master in Computer Applications.

JSPMNTC provides one umbrella to create engineers, managers and masters by providing innovative teaching methodologies.

I am very glad of you as your organization is giving support every year for research projects. This year also we are exploring the possibilities of getting the research funds under Corporate Social Responsibility.

The list of research projects is attached herewith for your kind perusal. Your support and co-ordination in this regard will not only help our cause of value based education but also strengthen the young mind to face global challenges. Waiting with anticipation.

Thanking you  
Yours faithfully

Dr. R. K. Lad  
Director



## LIST OF PROJECTS

Sr. No.	Project Title	Principal Investigator	Amounts (Rs.)
1.	Design predictive system in wireless sensor network for prevention, protection & preservation from natural disaster	Mr. V. S. Gaikwad	1,50,000.00
2.	IOT Based Power Measurement and Monitoring System	Dr. Sajid Shaikh	1,50,000.00
3.	Apparatus Development of Laser Metal Deposition Machine for Product Manufacturing	Mr. S. M. Patil	75,000.00
4.	Heat Transfer Equipment Manufacturing for Experimental Lab	Mrs. M. S. Deokar	80,000.00
5.	Experimental Investigation and Production of Algal Oil Synthesis Biofuel as per BSVI Norms	Ms. A. D. Halve	1,25,000.00
6.	Experimental Investigation of Nano Particle with Biodiesel to reduce Emissions	Mr. P. U. Gaikwad	1,20,000.00
7.	Development of Desiccant Dehumidification System for Agriculture Application	Mr. K. S. Rambhad	2,85,000.00
8.	Online Movie Ticket Booking system	Mrs. Ashwini Tekale	85,000.00
<b>TOTAL</b>			<b>10,70,000.00</b>



# Jayawant Shikshan Prasarak Mandal's JSPM Narhe Technical Campus

S. No. 12/22 and 14/9, Narhe, Tal : Haveli, Dist.: Pune - 411041

Phone : +91 20 2460 8700, 701, 702 Email : director@jspmntc.edu.in Web : www.jspmntc.edu.in

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DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874



**Prof.(Dr.)T. J.Sawant**  
D.E.E., B.E. (Electrical), Ph.D., MISTE  
Founder - Secretary

**Prof.(Dr.) R.K.Lad**  
B.E. (Civil), M.E. (Env. Engg.) Ph.D. (Engg.)  
DIRECTOR

Ref.: JSPM/NTC/IRC/2019-20/106

Date: 1<sup>st</sup> October 2019

To  
The Principal Investigators  
JSPM Narhe Technical Campus  
Pune-411041

**Subject: Distribution of the funds received under corporate social responsibility for research projects**

Dear Principal Investigators,  
Internal Research Centre (IRC) has received your research proposal. We had received funds from different agencies for this work. Institute is glad to inform you that your proposal is considered by the IRC for further research work.

The Distribution of amount is as follows:

Sr. No.	Project Title	Principal Investigators	Amounts (Rs.)
1	Investigation of Ground Water Vein Using Light Interference Technique in Pune City	Mr. V. V. Muthekar	1,25,000.00
2	Experimental Analysis of Grey Water Treatment Using Nano metal Oxides	Mr. S. S. Bansode	1,00,000.00
3	Design predictive system in wireless sensor network for prevention, protection & preservation from natural disaster	Mr. V. S. Gaikwad	1,50,000.00
4	IOT Based Power Measurement and Monitoring System	Dr Sajid Shaikh	1,50,000.00
5	Apparatus Development of Laser Metal Deposition Machine for Product Manufacturing	Mr. S. M. Patil	75,000.00
6	Heat Transfer Equipment Manufacturing for Experimental Lab	Mrs. M. S. Deokar	80,000.00
7	Experimental Investigation and Production of Algal Oil Synthesis Biofuel as per BSVI Norms	Ms. A. D. Halve	1,25,000.00
8	Experimental Investigation of Nano Particle with Biodiesel to reduce Emissions	Mr. P. U. Gaikwad	1,20,000.00
9	Development of Desiccant Dehumidification System for Agriculture Application	Mr. K. S. Rambhad	2,85,000.00
10	Online Movie Ticket Booking system	Mrs. Ashwini Tekale	85,000.00
<b>TOTAL</b>			<b>12,95,000.00</b>



**Dr. R. K. Lad**  
DIRECTOR  
JSPM Narhe Technical Campus  
Narhe, Pune - 411 041



Jayawant Shikshan Prasarak Mandal's  
**JSPM Narhe Technical Campus**



S. No. 12/2/2 and 14/8, Narhe, Tal : Haveli, Dist.: Pune - 411041  
Phone : +91 20 2460 8700, 701, 702 Email : director@jspmntc.edu.in Web : www.jspmntc.edu.in  
Affiliated to Savitribai Phule Pune University. Approved by AICTE New Delhi and DTE Maharashtra.  
DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874

**Prof.(Dr.)T. J.Sawant**  
D.E.E., B.E.(Electrical), Ph.D., MISTE  
Founder - Secretary

**Prof.(Dr.) R.K.Lad**  
B.E.(Civil), M.E. (Env.Engg.) Ph.D.(Engg.)  
DIRECTOR

Ref.: JSPM/NTC/IRC/2019-20/106

Date: 1<sup>st</sup> October 2019

To  
The Principal Investigators  
JSPM Narhe Technical Campus  
Pune-411041

**Subject: Distribution of the funds received under corporate social responsibility for research projects**

Dear Principal Investigators,  
Internal Research Centre (IRC) has received your research proposal. We had received funds from different agencies for this work. Institute is glad to inform you that your proposal is considered by the IRC for further research work.

The Distribution of amount is as follows:

Sr. No.	Project Title	Principal Investigators	Amounts (Rs.)
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4	IOT Based Power Measurement and Monitoring System	Dr Sajid Shaikh	1,50,000.00
5	Apparatus Development of Laser Metal Deposition Machine for Product Manufacturing	Mr. S. M. Patil	75,000.00
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7	Experimental Investigation and Production of Algal Oil Synthesis Biofuel as per BSVI Norms	Ms. A. D. Halve	1,25,000.00
8	Experimental Investigation of Nano Particle with Biodiesel to reduce Emissions	Mr. P. U. Gaikwad	1,20,000.00
9	Development of Desiccant Dehumidification System for Agriculture Application	Mr. K. S. Rambhad	2,85,000.00
10	Online Movie Ticket Booking system	Mrs. Ashwini Tekale	85,000.00
<b>TOTAL</b>			<b>12,95,000.00</b>



**Dr. R. K. Lad**  
Director  
JSPM Narhe Technical Campus  
Narhe, Pune - 411 041



# NIKHIL CONSTRUCTION

Specialist in Civil & Concrete Work,  
Manufacturing & Supplying of Crushed Sand, Metal and R.M.C.

**HEAD OFFICE :**  
91/Ashok Society, Durga Nagar,  
Senapati Bapat Road, Pune - 411 016.  
Mobile : 9822015471, 9850971012, 9850800744  
• E-mail : nikhil.construction@yahoo.com

**CORPORATE OFFICE :**  
"SARTHAK", 721/3 - Shree Swayamsiddha Hsg. Soc.,  
Opp. Bhide Hospital, L.B.S. Road, Navi Peth, Pune - 30.  
Phone : + 91 20 24530007, Mobile : + 91 8888 809 967  
• Website : www.nikhilgroup.in

Ref. No.: 308

Date: 25/04/2019

To,  
The Director  
JSPM's Narhe Technical Campus, Narhe  
Pune-411041

Sub: Budget Expenditure for Project entitled as, **"Use of Coir Fibre in Concrete Mix"**.

Dear Sir,

As per the budget of Rs.52, 000/- sanctioned for your proposal for Project entitled as, **"Use of Coir Fibre in Concrete Mix"**. The details of amount disbursed as below;

Sr. No.	Particulars	Expenditure Amount in Rs.
1	Equipments	NIL
2	Books & Journals	4000
3	Chemicals & Consumables	12000
4	Hiring Services	21000
5	Field Wok & Travel	5000
6	Contingency	3000
TOTAL		45000

Thanking You.

Yours Truly,

Mr. Gajanan Late  
Technical Director  
Nikhil Construction, Pune







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Opp. Bhido Hospital, L. B. S. Road, Navi Peth, Pune - 30  
Phone : + 91 20 24530007 Mobile : + 91 8888 809 967  
• Website : [www.nikhilgroup.in](http://www.nikhilgroup.in)

Ref. No.: 2018-19 / 185

Date: 12/07/2018

To  
The Director,  
JSPM's Narhe Technical Campus,  
Narhe, Pune-411041

Sub: Sanctioned the budget for Project entitled as, **"Use of Coir Fibre in Concrete Mix"**.

Dear Sir,

As per the budget of Rs. 45,000/- mentioned in your proposal for Project entitled as, **"Use of Coir Fibre in Concrete Mix"**. We are glad to inform you that budget of Rs. 45,000/- (**In Words forty Five Thousand Only**) for your proposal have been sanctioned. Let us know if any extra requirement for the smooth completion of project.

Thanking You.

Yours Truly,

**Mr. Gajanan Late**  
Technical Manager  
Nikhil Construction





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Phone : + 91 20 24530007, Mobile : + 91 8888 809 967  
• Website : www.nikhilgroup.in

## CERTIFICATE OF COMPLETION

**Date:-** 25/01/2019

**Ref. No.:** JSPM/NTC/ CIVIL/18-19/185

This is to certify that **Dr. S. D. Kore** has successfully completed Research project work titled, "**Use of Coir Fibre in Concrete Mix**". He has conducted project work during 12/07/2018 to 10/10/2018 at Nikhil Construction, Pune.

We, Nikhil Construction, Pune wish him all success in his future endeavors and look for same in future also.

Regards,

Yours Truly,

Mr. Gajanan Late  
Technical Manager  
Nikhil Construction





Jayawant Shikshan Prasarak Mandal's  
**JSPM Narhe Technical Campus**

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DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874



**DEPARTMENT OF CIVIL ENGINEERING**

Ref.:JSPM/NTC/2018-2019/CIVIL/43

Date: 3<sup>rd</sup> July 2018

To,

**Mr. Gajanan Late,**  
Technical Director  
Nikhil Construction  
Pune.

**Subject:** Seeking Permission for Sponsoring Research Work.

**Respected sir,**

With reference to the above subject, our faculty **Dr. S. D. Kore**, seeking permission for carrying out research project entitled, "*Use of coir fibre in concrete mix*".

Research proposal and detailed estimate of project is attached with this letter. Kindly sponsor the research project.

Thank you for consideration.

With Best Regards,

Yours Sincerely,

**Dr. S. D. Kore**  
Assistant Professor  
Department of Civil Engineering,  
JSPM Narhe Technical Campus, Pune.



Dr. S. B. Khaple  
R & D Coordinator,  
Department of Civil Engineering

Dr. S. A. Chaudhari  
Head,  
Department of Civil Department



# NIKHIL CONSTRUCTION

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Phone : + 91 20 24530007, Mobile : + 91 8888 803 967  
• Website : www.nikhilgroup.in

Reference No. 2018/ 308

Date: 16/07/2018

To,

**Dr. S. D. Kore**

Associate Professor

Department of civil engineering

JSPM Narhe Technical Campus, Narhe. Pune

**Subject: Acceptance of research proposal for, "Use of coir fibre in concrete mix."**

Dear Dr. S. D. Kore,

I am writing on behalf of Nikhil Construction to let you know that we have accepted, "**Use of coir fibre in concrete mix**", proposal for our organization. Out of all the proposals we received, we felt that yours was closest to what we had in mind for our company and the most realistic in terms of reaching our goals in the allotted time.

You may be interested to know that the proposal was unanimously agreed upon by our board of directors.

We would like to begin the project as soon as possible and look forward to meeting with you and receiving the necessary paperwork. To discuss this matter further, please contact me at your convenience at 7774058031. We look forward to hearing back from you and will return any messages as quickly as possible.

We are greatly appreciative of all of Acme Construction & Consulting's hard work and cooperation with us on this project. We are looking forward to continued cooperation with you as our business expansion becomes a reality. We thank you for your consideration in this matter and will be on the lookout for your prompt response.

Yours Truly,

Mr. Gajanan Late  
Technical Manager  
Nikhil Construction





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Phone : + 91 20 24530007, Mobile : + 91 8888 809 967  
• Website : www.nikhilgroup.in

Ref. No.: 309

Date: 05/04/2019

To,  
The Director  
JSPM's Narhe Technical Campus, Narhe  
Pune-411041

Sub: Budget Expenditure for Project entitled as, **"Utilization of Bagasse ash and Sugarcane Bagasse in Concrete"**.

Dear Sir,

As per the budget of Rs.52, 000/- sanctioned for your proposal for Project entitled as, **"Utilization of Bagasse ash and Sugarcane Bagasse in Concrete"**. The details of amount disbursed as below;

Sr. No.	Particulars	Expenditure Amount in Rs.
1	Equipments	NIL
2	Books & Journals	4500
3	Chemicals & Consumables	15000
4	Hiring Services	26000
5	Field Wok & Travel	6000
6	Contingency	3500
<b>TOTAL</b>		<b>55000</b>

Thanking You.

Yours Truly,

Mr. Gajanan Late  
Technical Director  
Nikhil Construction, Pune





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Phone : + 91 20 24530007 Mobile : + 91 8888 809 967  
• Website : www.nikhilgroup.in

Ref. No.: 2018-19 / 186

Date: 12/07/2018

To  
The Director,  
JSPM's Narhe Technical Campus,  
Narhe, Pune-411041

Sub: Sanctioned the budget for Project entitled as, **"Utilization of Bagasse ash and Sugarcane Bagasse in Concrete"**.

Dear Sir,

As per the budget of Rs. 45,000/- mentioned in your proposal for Project entitled as, **"Utilization of Bagasse ash and Sugarcane Bagasse in Concrete"**. We are glad to inform you that budget of Rs. 55,000/- **(In Words Fifty Five Thousand Only)** for your proposal have been sanctioned. Let us know if any extra requirement for the smooth completion of project.

Thanking You.

Yours Truly,

**Mr. Gajanan Late**  
Technical Manager  
Nikhil Construction





# NIKHIL CONSTRUCTION

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Opp. Bhido Hospital, L.B.S. Road, Navi Peth, Pune - 30  
Phone : + 91 20 24530007, Mobile : + 91 8888 809 967  
• Website : www.nikhilgroup.in

## CERTIFICATE OF COMPLETION

**Date:-** 10/10/2018

**Ref. No.:** JSPM/NTC/ CIVIL/18-19/186

This is to certify that **Prof. V. Nalawade** has successfully completed Research project work titled, “**Utilization of Bagasse ash and Sugarcane Bagasse in Concrete**”. He has conducted project work during 12/07/2018 to 10/10/2018 at Nikhil Construction, Pune.

We, Nikhil Construction, Pune wish him all success in his future endeavors and look for same in future also.

Regards,

Yours Truly,

Mr. Gajanan Late  
Technical Manager  
Nikhil Construction





Jayawant Shikshan Prasarak Mandal's  
**JSPM Narhe Technical Campus**

S. No. 12/2/2 and 14/9, Narhe, Tal : Haveli, Dist: Pune – 411041

Phone : +91 20 2460 8700, 701, 702 Email : director@jspmntc.edu.in Web : www.jspmntc.edu.in

Affiliated to Savitribai Phule Pune University. Approved by AICTE New Delhi and DTE Maharashtra.

DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874



**DEPARTMENT OF CIVIL ENGINEERING**

Ref.:JSPM/NTC/2018-2019/CIVIL/45

Date: 9<sup>th</sup> July, 2018

To,  
The Technical Director  
Nikhil Construction,  
Pune

**Subject:** Seeking Permission for Sponsoring Research Work.

**Respected sir,**

With reference to the above subject, our faculty **Prof. V. Nalawade**, seeking permission for carrying out research project entitled, “**Utilization of Bagasse ash and Sugarcane Bagasse in Concrete**”. Research proposal and detailed estimate of project is attached with this letter. Kindly sponsor the research project.

Thank you for consideration.

With Best Regards,

**Prof. V. Nalawade**  
Assistant Professor  
Department of Civil Engineering,  
JSPM Narhe Technical Campus, Pune.

**Dr. S. B. Khaple**  
R & D Coordinator,  
Department of Civil Engineering

**Dr. S. A. Chaudhari**  
Head,  
Department of Civil Department







# NIKHIL CONSTRUCTION

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**CORPORATE OFFICE :**  
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Opp. Bhido Hospital, L. B. S. Road, Navi Peth, Pune - 30  
Phone : + 91 20 24530007, Mobile : + 91 8888 809 907  
• Website : www.nikhilgroup.in

Reference No. 2018/108

Date: 12/07/2018

**To,**  
**Prof. V. Nalawade**  
Assistant Professor,  
Department of civil engineering  
JSPM Narhe Technical Campus, Narhe. Pune

**Subject: Acceptance of research proposal for, "Utilization of Bagasse ash and Sugarcane Bagasse in Concrete".**

**Dear Prof. V. Nalawade,**

I am writing on behalf of Nikhil Construction to let you know that we have accepted, "Utilization of Bagasse ash and Sugarcane Bagasse in Concrete", proposal for our organization. Out of all the proposals we received, we felt that yours was closest to what we had in mind for our company and the most realistic in terms of reaching our goals in the allotted time.

You may be interested to know that the proposal was unanimously agreed upon by our board of directors.

We would like to begin the project as soon as possible and look forward to meeting with you and receiving the necessary paperwork. To discuss this matter further, please contact me at your convenience at 9834147757. We look forward to hearing back from you and will return any messages as quickly as possible.

We are greatly appreciative of all of Acme Construction & Consulting's hard work and cooperation with us on this project. We are looking forward to continued cooperation with you as our business expansion becomes a reality. We thank you for your consideration in this matter and will be on the lookout for your prompt response.

Thank you.

Yours Truly,

**Mr. Gajanan Late**  
Technical Manager  
Nikhil Construction





# Bhairavnath Sugar Works Ltd.

Factory Address: S.NO.68,At Post: Sonari,Tal: Paranda,Dist:Osmanabad-413505

(Maharashtra).Phone:(02477) 234055 Email: bhairavnathsugar@gmail.com

GSTIN-27AADCB0529M1ZN, PAN NO.AADCB0529M CIN NO.:U15421PN2000PLC134301

Ref No.: BSWL-PUNE/SONARI/2018-19/

Date: 11/07/2018

To  
The Director  
JSPM Narhe Technical Campus  
Narhe, Pune-41

**Subject: Releasing of funds for Educational Institute for research**  
**Ref.: Your letter No.: JSPM/NTC/CSR/2018-19/639 /Dt. 22.06.2018**

Sir,

With reference to the above mentioned subject, we would like to informed you that M/s. Bhairavnath Sugar Works Ltd. helps Teaching faculty Members, Under Graduate and Post Graduate students by providing funds for research under Corporate Social Responsibility (CSR). As, per the decision of management it has been decided that to allocate funds for fostering research. We are glad to inform you that the amount of Rs.9,80,000/- has been allocated for your institute.

Thanking You



  
Executive Director

Bhairavnath Sugar Works Ltd.



Jayawant Shikshan Prasarak Mandal's  
**JSPM Narhe Technical Campus**



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DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874

**Prof.(Dr.) T. J. Sawant**  
D.E.E., B.E.(Electrical), Ph.D., MISTE  
Founder - Secretary

**Prof.(Dr.) R.K.Lad**  
B.E.(Civil), M.E.(Env.Engg.) Ph.D.(Engg.)  
DIRECTOR

Ref.: JSPM/NTC/CSR/2018-19/639

Date: 22/06/2018

To  
The Managing Director  
Bhairavnath Sugar Works Ltd  
A/p.: Sonari, Tal: Paranda,  
Dist: Osmanabad-413505

**Subject: Requisition for sanctioning of research fund**

Respected Sir,

An environmental friendly green campus, "**JSPM Narhe Technical Campus**" (JSPMNTC) was established in 2011. The Institute is approved by AICTE, New Delhi and is affiliated to Savitribai Phule Pune University (SPPU), Pune.

The College being a technical campus offers UG programs (Bachelor of Engineering) in Civil, Computer, Electronics & Telecommunication and Mechanical Engineering. PG programs (Master of Engineering) are offered in Computer, Electronics & Telecommunication and Mechanical Engineering. It also offers PG programs in Master of Business Administration and Master in Computer Applications.

JSPMNTC provides one umbrella to create engineers, managers and masters by providing innovative teaching methodologies.

We are exploring the possibilities of getting the research funds under Corporate Social Responsibility.

The list of research projects is attached herewith for your kind perusal.

Your support and co-ordination in this regard will not only help our cause of value based education but also strengthen the young mind to face global challenges.

Waiting with anticipation.



  
**Dr. R. K. Lad**  
Director

## LIST OF PROJECTS

Sr. No.	Project Title	Principal Investigator	Amounts (Rs.)
1.	Image based Gesture Recognition using Image Processing Techniques	Ms. J. S. Kharat	1,25,000.00
2.	Development of a Precision IoT and ML based Crop Monitoring System	Dr. M. M. Sardeshmukh	1,25,000.00
3.	Advance Manufacturing Process for 3-D Printing and its Application	Mr. R. M. Deshmukh	1,20,000.00
4.	Micro Cutting Tools Fabrication for the Mechanical Micro-Maching	Mr. M. U. Gaikwad	1,30,000.00
5.	Abrasive Water Jet Machining of Composite Materials-Manufacturing	Mr. S. S. KALE	1,30,000.00
6.	Development of Solar Drying System for Agriculture Application	Mr. S. P. Kadu	2,95,000.00
7.	Online Magazine Management System	Mrs. Deepika Sarwate	55,000.00
<b>TOTAL</b>			<b>9,80,000.00</b>



Jayawant Shikshan Prasarak Mandal's  
**JSPM Narhe Technical Campus**

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Founder - Secretary

**Prof.(Dr.) R.K.Lad**  
B.E.(Civil),M.E.(Env.Engg.) Ph.D.(Engg.)  
DIRECTOR

Ref: JSPM/NTC/IRC/2018-19/55

Date: 2/08/2018

To  
The Principal Investigators  
JSPM Narhe Technical Campus  
Pune-411041

**Subject: Distribution of the funds received under corporate social responsibility for research projects**

Dear Principal Investigators,

Internal Research Centre (IRC) has received your research proposal. We had received funds from different agencies for this work. Institute is glad to inform you that your proposal is considered by the IRC for further research work.

The Distribution of amount is as follows:

Sr. No.	Project Title	Principal Investigators	Amounts (Rs.)
1	Use of coir fibre in concrete mix.	Dr. S. D. Kore	1,00,000.00
2	Utilization of Bagasse ash and Sugarcane Bagasse in Concrete.	Mr. S. S. Deshpande	1,00,000.00
3	Image based Gesture Recognition using Image Processing Techniques	Ms. J. S. Kharat	1,25,000.00
4	Development of a Precision IoT and ML based Crop Monitoring System	Dr. M. M. Sardeshmukh	1,25,000.00
5	Advance Manufacturing Process for 3-D Printing and its Application	Mr. R. M. Deshmukh	1,20,000.00
6	Micro Cutting Tools Fabrication for the Mechanical Micro-Maching	Mr. M. U. Gaikwad	1,30,000.00
7	Abrasive Water Jet Machining of Composite Materials-Manufacturing	Mr. S. S. KALE	1,30,000.00
8	Development of Solar Drying System for Agriculture Application	Mr. S. P. Kadu	2,95,000.00
9	Online Magazine Management System	Mrs. Deepika Sarwate	55,000.00
TOTAL			11,80,000.00



  
Dr. R. K. Lad  
Director  
Director  
JSPM Narhe Technical Campus  
Narhe, Pune - 411 041



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DIRECTOR

Ref.: JSPM/NTC/IRC/2018-19/55

Date: 2/08/2018

To  
The Principal Investigators  
JSPM Narhe Technical Campus  
Pune-411041

**Subject: Distribution of the funds received under corporate social responsibility for research projects**

Dear Principal Investigators,

Internal Research Centre (IRC) has received your research proposal. We had received funds from different agencies for this work. Institute is glad to inform you that your proposal is considered by the IRC for further research work.

The Distribution of amount is as follows:

Sr. No.	Project Title	Principal Investigators	Amounts (Rs.)
1	Use of coir fibre in concrete mix.	Dr. S. D. Kore	1,00,000.00
2	Utilization of Bagasse ash and Sugarcane Bagasse in Concrete.	Mr. S. S. Deshpande	1,00,000.00
3	Image based Gesture Recognition using Image Processing Techniques	Ms. J. S. Kharat	1,25,000.00
4	Development of a Precision IoT and ML based Crop Monitoring System	Dr. M. M. Sardeshmukh	1,25,000.00
5	Advance Manufacturing Process for 3-D Printing and its Application	Mr. R. M. Deshmukh	1,20,000.00
6	Micro Cutting Tools Fabrication for the Mechanical Micro-Maching	Mr. M. U. Gaikwad	1,30,000.00
7	Abrasive Water Jet Machining of Composite Materials-Manufacturing	Mr. S. S. KALE	1,30,000.00
8	Development of Solar Drying System for Agriculture Application	Mr. S. P. Kadu	2,95,000.00
9	Online Magazine Management System	Mrs. Deepika Sarwate	55,000.00
		<b>TOTAL</b>	<b>11,80,000.00</b>



  
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**List of students undertaking internship:**

Programme name	Program Code	List of students undertaking project work/field work/internship
Civil Engineering	675519110	Siddhesh Sandip Kulthe
		Priyanka Pundlik Kachave
		Sakshi Santosh Khadsare
		Abhijeet Mandave
		Ritesh Rajendra Jadhav
		Akshata Vijaykumar Kalyanshetti
		Renuka Kalyan Ghayal
		Afak Shaikh
		Anurag Santosh Zende
		Balaji Jadhav
		Chandrakant Ravindra Dalvi
		Sachin Gadkari
		Akshay Vijaysinh Kadam
		Prashant Kashinath Karale
		Akshata Bhosale
		Aarti Vikas Jagtap
		Swapnil Bhausahab Dhakane
		Aniket Rajaram Kamane
		Pravin Rajesh Khogare
		Snehal Landage
		Arjun Prakash Kate
		Lonari Atharva Rohidas
		Tushar Baban Bhumkar
		Abhishek Sanjay Dhole
		Pratik Rajendra Mirkale
		Mangesh Pujari
		Akash Anant Barate
		Sumit MaheshArdale
		Rohan Chandrakant Dangare
		Mayureshwar Milind Dhokne
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Date: 16/09/2023

## **Event Summary Report**

**Name of Event:** “INDURSTY – INSTITUTE MEET Along With The Inaugural Ceremony of Industry Institute Interaction Cell”

**Department:** Mechanical Engineering

- **Date & Time of event:** 15/09/2023
- **Venue:** VC-Hall, JSPM Narhe Technical Campus
- **Objectives of Event:**
  1. Facilitate dialogue and collaboration between industry professionals and academic faculty members.
  2. Establish the III Cell to promote industry-academia interaction, research partnerships, and skill development initiatives.
  3. Identify potential areas of collaboration, including research projects, internships, and training programs.
  4. Enhance students' exposure to industry trends, practices, and opportunities for career development.
- **Outcome of Event:**
  1. Establishment of a formal platform for sustained industry-academia interaction through the III Cell.
  2. Identification of potential collaboration opportunities, including joint research projects, internships, and industry-sponsored student initiatives.
  3. Enhancement of students' industry exposure and opportunities for practical learning and skill development.
  4. Strengthening of institutional linkages with industry partners, fostering a culture of innovation and entrepreneurship.
- **Sponsored by (If any):** -
- **Number of Participants:** 120
- **Expert:** Dr. M. A. Kumbhalkar and Dr. K. S. Rambhad
- **Summary of Feedback:**

The Industry-Institute Meet and Inaugural Ceremony of the III Cell marked a significant milestone in fostering collaboration between industry and academia. By establishing a formal platform for interaction and collaboration, the event laid the foundation for mutually beneficial partnerships and initiatives aimed at advancing knowledge, innovation, and economic growth.



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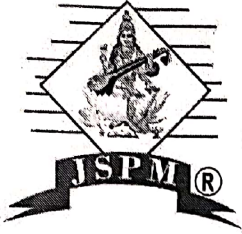
## Glimpses of Events: -



Inauguration of Industry-Institute Interaction Cell and industry institute meet in the campus



Dr. M. A. Kumbhalkar  
HOD



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**Report**

**On**

**Industrial Visit at Shri Sant Tukaram  
Sahakari Sakhar Karkhana Ltd Pune**

<b>Visiting Place&amp; Date</b>	<b>Shri Sant Tukaram Sahakari Sakhar Karkhana Ltd Pune 30/11/2022</b>						
<b>Organized by</b>	<b>Mech Department, JSPM, Narhe Technical Campus.</b>						
<b>Participation</b>	S. E ( Mech) Students Faculty Members: Dr.P.U.Gaikwad Mr. S.P.Kadu						
<b>Objectives</b>	<ul style="list-style-type: none"><li>To understand the function and working of boiler.</li><li>To understand the actual working of boiler mountings and accessories.</li></ul>						
<b>CO Mapping</b>	<ul style="list-style-type: none"><li>CO5 of Engineering Thermodynamics</li></ul>						
<b>ELO Mapping</b>	<ul style="list-style-type: none"><li>Explain practical relevance boiler</li><li>Explain physical mechanism of operation of boiler mountings and accessories.</li></ul>						
		CO: 1	CO: 2	CO: 3	CO: 4	CO: 5	CO: 6
ELO: 5						✓	
<b>Goals of Visit</b>	Being a sugar production company, to provide good quality of Sugar.						
<b>Report Prepared by</b>	Dr.P.U.Gaikwad						

This visit has exposed all students with industry work environment, culture and latest technological developments as required by industry. It has bridged gap between academia and industry requirement.

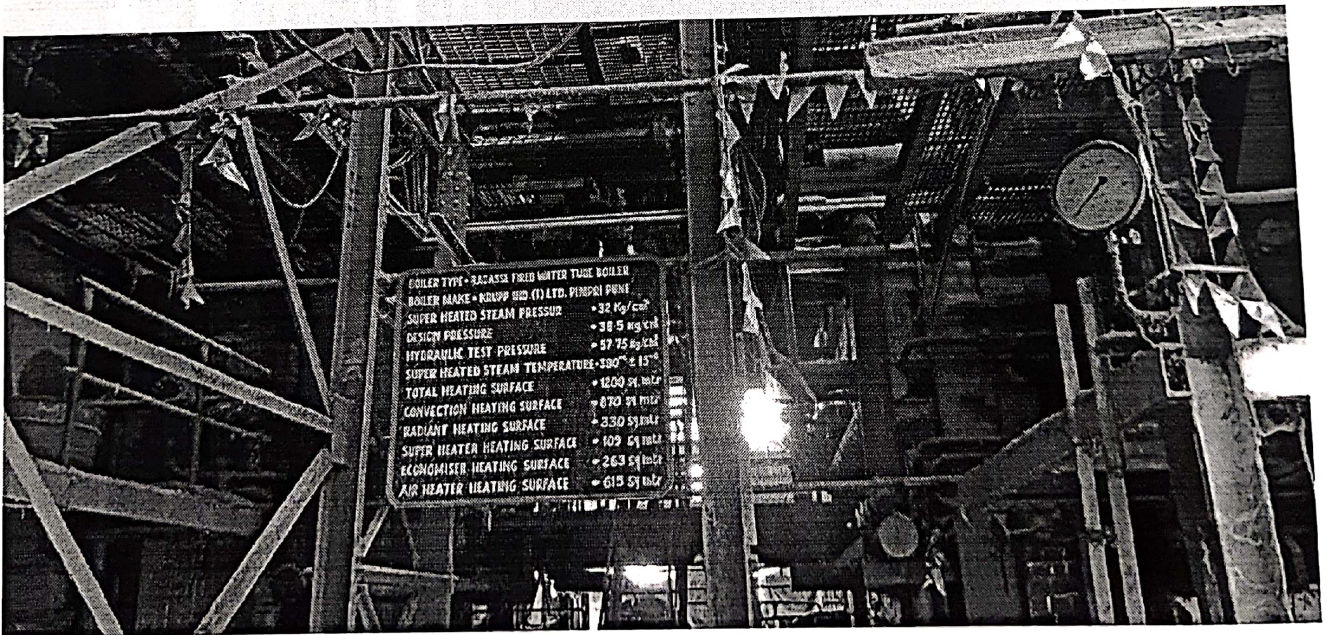


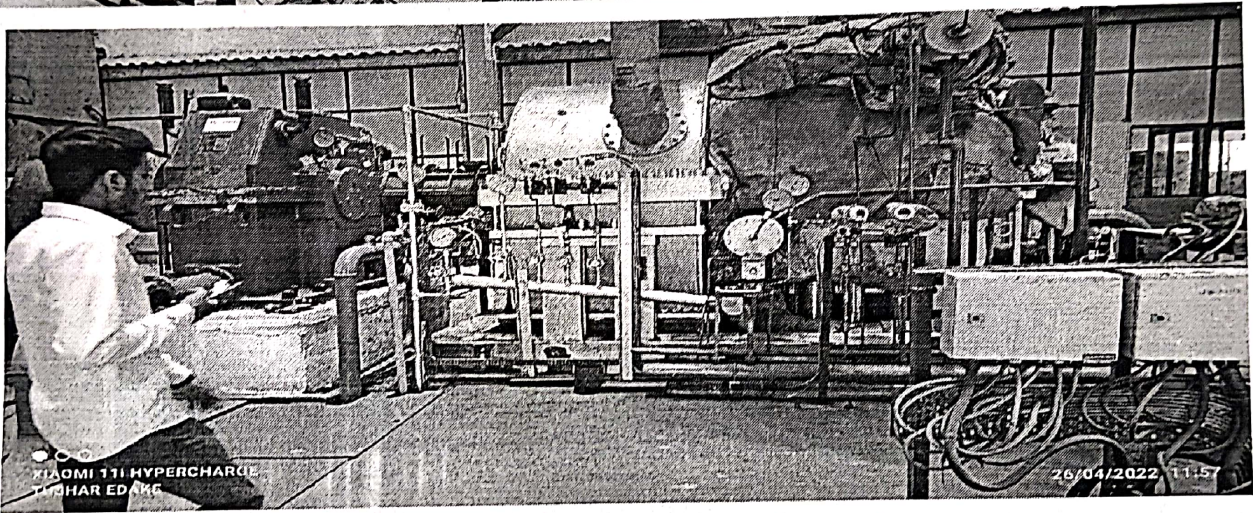
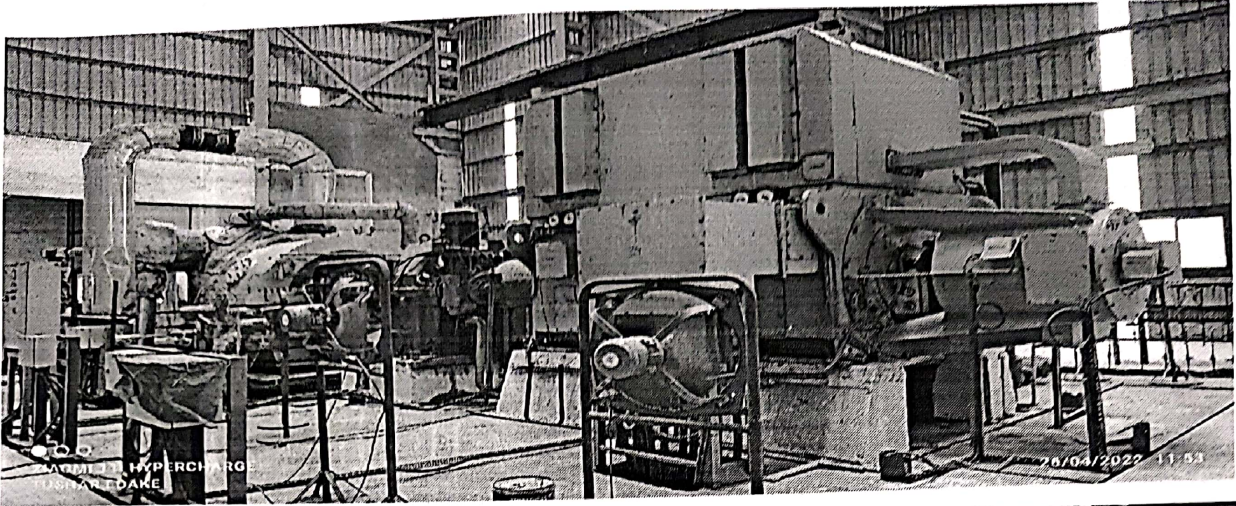
## About Sugar Factory:

Shri Sant Tukaram Sahakari Sakhar Karkhana Ltd in Mulshi, Pune is known to satisfactorily cater to the demands of its customer base. The business came into existence in 1997 and has, since then, been a known name in its field. It stands located at Survey No 149, Near At Post Kasarsai Darumbri, Tal Mulashi, Mulshi-412108. Near At Post Kasarsai Darumbri, Tal Mulashi is a prominent landmark in the area and this establishment is in close proximity to the same. It has earned 100 reviews and aspires to develop a loyal customer base. It has earned stamps like Jd Verified, Jd Trusted, Jd Escrow substantiating the credentials of the business. The business strives to make for a positive experience through its offerings. The accepted modes of payment such as Cash, Master Card, Visa Card, Debit Cards, Cheques, Credit Card make every business transaction easy and seamless, contributing to making the entire process even more effective.

Customer centricity is at the core of Shri Sant Tukaram Sahakari Sakhar Karkhana Ltd in Mulshi, Pune and it is this belief that has led the business to build long-term relationships. Ensuring a positive customer experience, making available goods and/or services that are of top-notch quality is given prime importance.

India's leading B2B market place, Jd Mart ensures engaging in business activities is a seamless process for small and medium enterprises as well as large businesses. In a wake to enable these businesses to reach their audience, this portal lets them showcase their offerings in terms of the products and/or services through a digital catalogue. This business has a wide range of product offerings and the product/catalogue list includes Sugar etc.






**Industrial Visit at Shri Sant Tukaram Sahakari  
Sakhar Karkhana Ltd in Mulshi**

  
Prof. A. A. Kamble

Industrial Visit Coordinator

  
Dr. M.A. Kumbhalkar

**Head**  
(HOD Mech)  
Department of Mechanical Engineering  
JSPM Narhe Technical Campus  
R.S.S.O.E. & R. Narhe, Pune - 411041.



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**DEPARTMENT OF MECHANICAL ENGINEERING**

Ref. No:- JSPM/NTC/MECH/ 2022-23/\_\_\_

Date: 30/11/22

To

The Manager,  
Sant Tukaram Sugar Karkhana,  
Kasarsai Darumbre Pune, Maharashtra, 410506

**Subject-** Industrial visit for our Second Year Mechanical Engineering Students.

Respected Sir/Madam,

It gives me a great pleasure to approach you with this letter, which contains a brief introduction of our college JSPM NTC, Pune and pleasure of arranging an interaction for our Second Year (Mech.) students with your reputed organization in the form of Industrial Visit. Under the umbrella of JSPM Educational Institutes, we are running various **Engineering courses** as well as **MBA** and **MCA** degree Courses. JSPM Narhe Technical Campus was established in year 2011 with the aim to provide quality education in the field of engineering. It is one of the few reputed engineering institutes in the jurisdiction of University of Pune. We have one of the largest and best campuses of 17 acres with excellent infrastructure. At presently we are offering various specializations for engineering courses like Mechanical, Civil, Electronics & Tele-Communication and Computer Engineering.

It will be a great opportunity for our Engineering Students to have glimpse of practical realities along with line of their academic pursuit. As a part of syllabus of Mechanical Engineering, students are supposed to have an industrial visit and to study the **Engineering Thermodynamics** applications. In view of this we request you to arrange an industrial visit for our **50 Mechanical Engg. Students** in your reputed organization. Probable date of visit Wednesday 30/11/2022.

We will be thankful if you permit for the same in your organization. Kindly let us know your reply

Thank You.

Regards,

Mr. A. A. Kamble

Industrial Visit Coordinator

Dr. M. A. Kumbhalkar

Head

Department of Mechanical Engineering,  
JSPM Narhe Technical Campus  
S. C. & R. Narhe, Pune - 411 041

Dr. S. A. Choudhari

Director

Shri Sant Tukaram S. S. K. Ltd.  
Kasarsai-Darumbre, Post-Kasarsai,  
Tal. Haveli, Dist. Pune





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## DEPARTMENT OF MECHANICAL ENGINEERING

Date: 29/11/2022

### NOTICE

All the Students of S.E. (Mechanical Engg.) are hereby informed that as a part of syllabus of **Engineering Thermodynamics** Subject for Second Year Mechanical Engineering, industrial visit is arranged on 30/11/2022 at **Sant Tukaram Sugar Factory kasarsai Darumbre, Pune-Maharashtra, India**

Students should remain present sharp at 9:00 AM morning on Wednesday, 30/11/2022 at department C-Building entrance. Shoes and college ID is compulsory for visit. Students have to sign on undertaking form which is mandatory. If any student found indisciplinary or bad behavior during the visit, strict action will be taken against him by the Department / college higher authority. For any problem during the visit kindly call to the following faculty members without any hesitation.

1- Dr. P. U. Gaikwad Mob. No - 8329098371

2- Mr. S. P. Kadu Mob. No - 8149797567

Mr. A. A. Kamble

Industrial Visit Coordinator

Dr. M. A. Kumbhalkar

Head  
Department of Mechanical Engineering  
JSPM Narhe Technical Campus  
R.S.S.O.E & R. Narhe, Pune - 411041







Jayawant Shikshan Prasarak Mandal's  
**JSPM Narhe Technical Campus**

S. No. 12/2/2 and 14/9, Narhe, Tal : Haveli, Dist.: Pune - 411041

Phone : +91 20 2460 8700, 701, 702 Email : director@jspmntc.edu.in Web : www.jspmntc.edu.in

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DTE Code : 6755 PUN Code : CEGP019070 AISHE Code : C-45874



**DEPARTMENT OF MECHANICAL ENGINEERING**

**LETTER OF THANKS**

Ref. No:- JSPM/NTC/MECH/Thanks Letter/2022-23/\_\_\_

Date: 30/11/22

To

**The Manager,  
Sant Tukaram Sugar Karkhana,  
Kasarsai Darumbre Pune, Maharashtra, 410506**


Respected Sir,

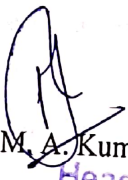
We sincerely thank you for readily accepting our request to visit your plant under the Subject **Engineering Thermodynamics** for Second Year (Sem-I) Mechanical Engineering Students of academic year 2022-2023.


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We are indeed, deeply indebted to you for sparing your valuable time during visit and look forward to the same favorable support in future.

Thank you once again,

  
Mr. A. A. Kamble  
Industrial Visit Coordinator

  
Dr. M. A. Kumbhalkar  
Head  
Department of Mechanical Engineering  
JSPM Narhe Technical Campus  
R.S.S.O.E & R. Narhe, Pune - 411 041

  
Dr. S. A. Choudhari  
Director

  
Visited and  
Shri Sant Tukaram S. S. K. Ltd.  
Kasarsai-Darumbre, Post-kasarsai,  
Tal. Mulshi, Dist: Pune.

**Jaywant Shikshan Prasarak Mandal's**  
**JSPM Narhe Technical Campus**  
**Rajarshi Shahu School of Engineering and Research**  
 Tal.: Haveli, Dist.: Pune-411041  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**UNDERTAKING**

Academic Year 2022 -2023

.We the following students of TE (MECH.ENGG.) are hereby state that we shall strictly follow the instructions of the concerned faculties during the visit at Sant Tukaram Sugar Factory Pune.....on 29/11/2022.

We shall obey the teachers during the journey, during the visit at the above mentioned sites. In case any of does not follow the instructions of the faculties and take any steps without their, or against their instruction, or without their knowledge, at his/her own will leading to any mishap, then he/she will be solely responsible for his/her act and the consequences thereafter.

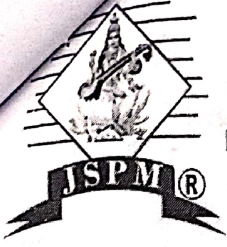
Sr. No.	Roll No.	Name of Student	Sign.
1	56	Sai. k. patil	Sai
2	58	Dumesh Pawar	Dumesh
3	73	Pratik Shinde	Pratik
4	23	Tushar C. Jadhav	Tushar
5	17	Gaurav Hankare	Gaurav
6	12	Ritesh B. chavan	Ritesh
7	64	Siddharth Salunke	Siddharth
8	41	Rutik Malasane	Rutik
9	54	Panchal Sunil V.	Sunil
10	61	Ganesh Phalke	Ganesh
11	29	Pradip Karmore	Pradip
12	55	Basavraj Patil	Basavraj
13	65	Abhishek Sangravi	Abhishek
14	007	15/12 212412	212412
15	36	Yash Kulkarni	Yash
16	29	Rushikesh Jagtap	Rushikesh
17	57	Pratik Pawar	Pratik
18	55	Basavraj S. Patil	Basavraj
19	<del>29</del>	<del>Pratik</del>	
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Jaywant Shikshan Prasarak Mandal's  
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Tal.: Haveli, Dist.: Pune-411041  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**UNDERTAKING**

Academic Year 2022 -2023

Sr. No.	Roll No.	Name of Student	Sign.
31	07	Dhanyraj Kulkarni	<u>Dhanyraj</u>
32	08	Siddhesh Kamble	<u>Siddhesh</u>
33	10	Sanket Raut	<u>Sanket</u>
34	12	Ubed Shaikh	<u>Ubed</u>
35	13	Akshay Somwanshi	<u>Akshay</u>
36	05	Pranav Joshi	<u>Pranav</u>
37	03	Rohan Gawali	<u>Rohan</u>
38	DS E	-	
39			
40	27	Yashdeep Kulkarni	<u>Yashdeep</u>
41	60	Saitej Pawar	<u>Saitej</u>
42	72	Ashish Shinde	<u>Ashish</u>
43	75	Yash Shinde	<u>Yash</u>
44	53	Aadansh Padmukha	<u>Aadansh</u>
45			
46	Faculty	Dr. P. U. Patil	
47		Prof. S. P. Gadgil	
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**DEPARTMENT OF MECHANICAL ENGINEERING**

**Attendance Sheet**

Subject – Engineering Thermodynamics

Class/Year- SE

Sr. No	Roll No	Student Name	Sign
1	12	Ritesh B. Chavan	
2	56	Sai K. Patil	
3	58	Durvesh Pawar	
4	73	Pratik Shinde	
5	23	Tushar C. Jadhav	
6	17	Gaurav Hankare	
7	41	Rutik Malusare	
8	64	Siddharth Salunke	
9	54	Sunil Panchal	
10	65	Abhishek Sengupta	
11	007		
12	29	Rashikesh Jagtap	
13	35	Yash Kulkarni	
14	57	Bahar Pawar	
17	22	Rushikesh Sawant	
18		Tanaji Sawant	

Mr. A. A. Kamble

Dr. M. A. Kumbhalkar

Industrial Visit Coordinator



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19	55	Basavraj S. patil	<u>Basavraj</u>
20	61	Ganesh Phalke	<u>GPhalke</u>
21	29	pranav kamthe	<u>k.pranav</u>
22	36	Yash Kulkarni	<u>YK</u>
23	24	Rusikesh Jogtap	<u>RJ</u>
24	57	Bahar Powar	<u>Bahar</u>
25	03	Rohan Gavai	<u>Rohan</u>
26	08	Siddhesh Konde	<u>SKonde</u>
27	05	Pranav Joshi	<u>Pranav</u>
28	07	Dhanraj Katkar	<u>DKatkar</u>
29	53	Aadarsh padmukhe	<u>Apadmukhe</u>
30	27	Yashdeep Karade	<u>YKade</u>
31	75	Yash Shinde	<u>Yshinde</u>
32	12	Ubed Shaikh	<u>Ushaihb</u>
33	12	Sohamrishi	<u>Srishi</u>
34	10	Sanket Raut	<u>Sraut</u>
35	60	Sairaj Patil	<u>SPatil</u>
36	72	Ashish shinde	<u>Ashinde</u>
37	65	Abhishek Sangewar	<u>AS</u>
38	74	<del>Pranav</del> शिरडी	<u>शिरडी</u>

Mr. A. A. Kamble

Dr. M. A. Kumbhalkar

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**DEPARTMENT OF MECHANICAL ENGINEERING**

Ref. No:- JSPM/NTC/MECH/ 2022-23/\_\_\_

Date: 30/11/22

To

The Manager,  
Sant Tukaram Sugar Karkhana,  
Kasarsai Darumbre Pune, Maharashtra, 410506

**Subject-** Industrial visit for our Second Year Mechanical Engineering Students.

Respected Sir/Madam,

It gives me a great pleasure to approach you with this letter, which contains a brief introduction of our college **JSPM NTC**, Pune and pleasure of arranging an interaction for our Second Year (Mech.) students with your reputed organization in the form of Industrial Visit. Under the umbrella of JSPM Educational Institutes, we are running various **Engineering courses** as well as **MBA** and **MCA** degree Courses. JSPM Narhe Technical Campus was established in year 2011 with the aim to provide quality education in the field of engineering. It is one of the few reputed engineering institutes in the jurisdiction of University of Pune. We have one of the largest and best campuses of 17 acres with excellent infrastructure. At presently we are offering various specializations for engineering courses like Mechanical, Civil, Electronics & Tele-Communication and Computer Engineering.

It will be a great opportunity for our Engineering Students to have glimpse of practical realities along with line of their academic pursuit. As a part of syllabus of Mechanical Engineering, students are supposed to have an industrial visit and to study the **Engineering Thermodynamics** applications. In view of this we request you to arrange an industrial visit for our **50 Mechanical Engg. Students** in your reputed organization. Probable date of visit Wednesday 30/11/2022.

We will be thankful if you permit for the same in your organization. Kindly let us know your reply

Thank You.

Regards,

Mr. A. A. Kamble

Industrial Visit Coordinator

Dr. M. A. Kumbhalkar

Head

Department of Mechanical Engineering  
JSPM Narhe Technical Campus  
S.O.E & R. Narhe, Pune - 411 041

Dr. S. A. Choudhari

Director

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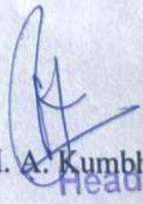
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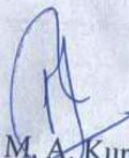
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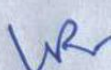
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DEPARTMENT OF MECHANICAL ENGINEERING  
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Academic Year 2022 -2023

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17	57	Basavraj S. Patil	Basavraj
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**UNDERTAKING**


Academic Year 2022 -2023

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34	12	Ubed Shaikh	<u>Ubed</u>
35	13	Ahmad Samwanshi	<u>Ahmad</u>
36	05	Pranav Joshi	<u>Pranav</u>
37	03	Rohan Gawali	<u>Rohan</u>
38	DSE	-	
39			
40	27	Yashaleep Kakade	<u>Yash</u>
41	60	Sairaj Pawar	<u>Sairaj</u>
42	72	Ashish Shinde	<u>Ashish</u>
43	75	Yash Shinde	<u>Yash</u>
44	53	Aadansh Padmukha	<u>Aadansh</u>
45			
46		Faculty Dr. P. U. Patilwad	
47		Prof. S. P. Kadu	
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BOILER TYPE - WAGASSE FIRED WATER TUBE BOILER  
BOILER MAKE - KIRLOSKAR LTD. PUNE  
SUPER HEATED STEAM PRESSURE + 32 Kg/cm<sup>2</sup>  
DESIGN PRESSURE + 38.5 kg/cm<sup>2</sup>  
HYDRAULIC TEST PRESSURE + 57.75 kg/cm<sup>2</sup>  
SUPER HEATED STEAM TEMPERATURE - 300° ± 15  
TOTAL HEATING SURFACE + 1200 sq. mt.  
CONVECTION HEATING SURFACE + 870 sq. mt.  
RADIANT HEATING SURFACE + 330 sq. mt.  
SUPER HEATER HEATING SURFACE + 105 sq. mt.  
ECONOMISER HEATING SURFACE + 263 sq. mt.  
AIR HEATER HEATING SURFACE + 615 sq. mt.



  
Dr. M.A. Kumbhalkar

Head  
(HOD Mech)  
Department of Mechanical Engineering  
JSPM Narhe Technical Campus  
R.S.S.O.E. & R. Narhe, Pune - 411041.