

**MEMORANDUM OF UNDERSTANDING**  
**BETWEEN**  
**FIRE TECHNOLOGY & SAFETY ENGINEERING DEPARTMENT,**  
**IPS ACADEMY, INSTITUTE OF ENGINEERING & SCIENCE**  
**AND**  
**APEX ENGINEERING ENTERPRISES, INDORE**

1. **PARTIES:** This Memorandum of Understanding (hereinafter referred to as "MOU") is made and entered into by and between the Fire Technology & Safety Engineering department of IPS Academy Institute of Engineering & Science, whose address is Knowledge Village AB Road Rajendra Nagar, Indore, Madhya Pradesh 452012, and the Apex Engineering Enterprises, Indore , whose address is 623, Omex City AB bypass Road Indore, Madhya Pradesh.
  
2. **PURPOSE:** The purpose of this MOU is to establish the terms and conditions under which a team comprises of one faculty member, one lab technician and a group of six students from fire technology & safety engineering department will meet and function in the sites of fire protection system associated with Apex Engineering Enterprises, Indore. The team will visit with departmental instruments once in every six month and same will be permitted at the end of Apex Engineering Enterprises, Indore. The measured data and collected information on fire protection system shall be used in UG and PG projects of students and also the solution given by the team may be incorporated in Apex Engineering Enterprises, Indore associated sites depending upon the practical feasibility and th r consideration.
  
3. **TERM OF MOU:** This MOU is effective upon the day and date last signed and executed by the duly authorized representatives of the parties to this MOU and shall remain in full force till termination. This MOU may be terminated, without cause, by either party upon one month written notice, which notice shall be delivered by hand or by certified mail to the address listed above.
  
4. **RESPONSIBILITIES OF FIRE TECHNOLOGY & SAFETY ENGINEERING DEPARTMENT IPS ACADEMY INSTITUTE OF ENGINEERING & SCIENCE:**
  - a) The team from Fire Technology & Safety Engineering department IPS Academy Institute of Engineering & Science will arrange their own lodging, boarding and travelling arrangement from their destination to Apex Engineering Enterprises, Indore .

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29 JUN 2019

- b) The team will carry relevant instruments such as integrated sound level meter, noise dosimeter and air sampling pump unit and any other relevant instrument for the measurement of hazards associated in different sections in Apex Engineering Enterprises, Indore.
- c) The team will submit a copy of collected data after observations and analysis to the Apex Engineering Enterprises, Indore for their consideration in safety management.
- d) The team shall not be eligible for any stipend or remuneration charges from Apex Engineering Enterprises, Indore and it will be solely for qual. education purpose.
- e) The team will ensure to abide by rules and safety norms of Apex Engineering Enterprises, Indore during visit and during hazard monitoring activities.
- f) The data collected by team will be used in education purpose only and kept confidential.

**6. RESPONSIBILITIES OF MAHIMA PURESPUN:**

- a) The Apex Engineering Enterprises, Indore will permit and arrange team visit for Fire Technology & Safety Engineering department IPS Academy Institute of Engineering & Science once in every six month. The date and time of visit will be fixed based on mutual discussion and consent of both parties.
- b) The Apex Engineering Enterprises, Indore will not be eligible for any cost/charges for the team visit.
- c) The Apex Engineering Enterprises, Indore will deploy a responsible technical officer to coordinate with the team to carryout hazard monitoring activities in different sites of Apex Engineering Enterprises, Indore.
- d) The Apex Engineering Enterprises, Indore will ensure the safety of team members and associated instruments during hazard monitoring activities.

**7. GENERAL PROVISIONS:**

- A. Amendments:** Either party may request changes to this MOU. Any changes, modifications, revisions or amendments to this MOU which are mutually agreed upon by and between the parties to this MOU shall be incorporated by written instrument, and effective when executed and signed by all parties to this MOU.
- B. Applicable Law:** The construction, interpretation and enforcement of this MOU shall be governed by the laws of the State of Madhya Pradesh and local bye laws.

29 JUN 2019

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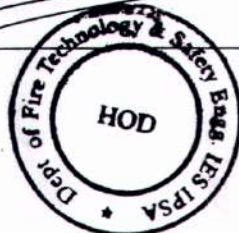
C. **Entirety of agreement:** This MOU, consisting of Three pages, represents the entire and integrated agreement between the parties and supersedes all prior representations and agreements, whether written or oral.

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

The effective date of this MOU is the date of the signature last affixed to this page.


**[FIRE TECHNOLOGY & SAFETY ENGINEERING DEPARTMENT  
IPS ACADEMY INSTITUTE OF ENGINEERING & SCIENCE]**

  
\_\_\_\_\_  
Dr. Praveen Patel  
Professor and Head



29 JUN 2019

**[APEX ENGINEERING ENTERPRISES, INDORE ]**

  
\_\_\_\_\_  
Mr. Navdeep Singh  
Business Development Manager



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**MEMORANDUM OF UNDERSTANDING**

This Memorandum of Understanding (MOU) entered on the 30/10/2018 (date) day  
of Oct 2018 (month and year) By and Between

CADD Centre Training Services, having its office at 25, Radhakrishnan Salai, Mylapore, Chennai  
(hereinafter referred as "CADD Centre" for the sake of brevity) and represented by its Centre Head Mr/Ms.

Amit sharma  
(centre head name) having the training centre at 312, Vibrant Twin Tower  
Geeta Bhawan, Indore.

(address of the centre) Which expression shall mean and include its successors and assigns.

And

IPS Academy Inst. of Engg. & Science (college name), having its campus  
at Rajendra Nagar, A.B. Road, Indore.

(address of the college), and represented by its

Dr Aschana Keerth Choudhary  
Principal (details signing authority), which

expression shall mean and include its successors in office and assigns

**CADD Centre, The party of the first part shall provide:**

- ANSYS workbench Institutional training for 3rd year engineering students from Mechanical discipline.
- Specially designed course material for the ANSYS workbench Institutional, to every student who is participating the 20days training.
- Training charge of 4000/- to every participant of min 10 student's batch.
- Institutional course completion certificate to all the participants of this unique training program; college name shall be printed on the certificate.
- Make the students aware of the latest tools and techniques through technical appreciation programs and keep them aware of the industry requirements.

## Dhara Design Centre

No. 312, III Floor, Vibrant Twin Tower,  
A.B. Road, Geeta Bhawan, Indore,  
Madhya Pradesh - 452 001.

Phone : 0731-4271772

Email : mp.indoregeetabhawan@caddcentre.com

- Assistance in downloading college version of ANSYS software on behalf of the college and assistance in installing in the college machines
- Optional advanced training required by the students at a subsidized course fee.
- Qualified trainers for the conduct of the course.
- Periodical assessment of the progress of students for their further improvements.

The L.P.S.A. I.E.S College, The party of the second part shall provide:

- The required number of computer systems with ANSYS software and other required Infrastructure
- The Class rooms with LCD projector and a Computer with ANSYS software for the conduct of the theory classes.
- To Schedule the classes during the weekdays.
- To ensure all students attend the training programs scheduled for them.
- The latest version of ANSYS software and computer systems
- Disciplinary support for the smooth conduct and timely completion of the entire course.

### Participants:

The participants would be the 3<sup>rd</sup> and 4<sup>th</sup> year students of Mechanical engineering.

### Course Contents:

1. Introduction to CAE
2. Introduction to ANSYS Workbench
3. Sketching and Part Modeling in Design modeller
4. Defining Material Properties
5. Meshing and Static Structure Analysis
6. Surface and Line Model
7. Natural Frequencies and Buckling Loads
8. Thermal Analysis and Stress

## Dhara Design Centre

No. 312, III Floor, Vibrant Twin Tower,  
A.B. Road, Geeta Bhawan, Indore,  
Madhya Pradesh - 452 001.

Phone : 0731-4271772

Email : mp.indoregeetabhawan@caddcentre.com

### Time Schedule:

The program will be conducted during the college timings. Depending on the total strength, the students will be divided into batches with a minimum of 10 and a maximum of 60 per batch. The program will be conducted according to the time table drawn up with the mutual consent of both parties.

### Jurisdiction:

All matters, queries, disputes or differences, whatsoever, arising between the parties touching the construction, meaning, operation or effect of this Memorandum of Understanding or out of or relating to this Memorandum of Understanding or breach thereof shall be settled through arbitration in accordance with the relevant Arbitration Act in force at such time. The Arbitration award shall be binding on both parties.

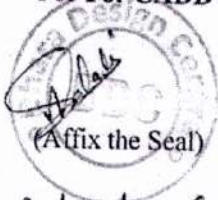
### Termination:

Both the college and CADD Centre shall have the rights to terminate this MOU by providing three months' notice. Termination of this MoU for whatever reason shall be without prejudice to the rights of either party and of the students and the ongoing academic programmes.

### Validity:

This Memorandum of Understanding will be valid for a period of one year. This Memorandum of Understanding shall come into effect from (Date) 30/10/18.

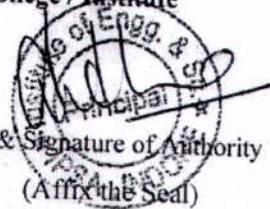
For For CADD Centre



Ashish Solanki  
[Centre manager]

Dr. Archana

For College / Institute



Name & Signature of Authority

(Affix the Seal)

16

# MEMORANDUM OF UNDERSTANDING

BETWEEN

FIRE TECHNOLOGY & SAFETY ENGINEERING DEPARTMENT,  
IPS ACADEMY, INSTITUTE OF ENGINEERING & SCIENCE

AND

MAHLE ENGINE COMPONENT INDIA PVT LTD

1. **PARTIES:** This Memorandum of Understanding (hereinafter referred to as "MOU") is made and entered into by and between the Fire Technology & Safety Engineering department of IPS Academy Institute of Engineering & Science, whose address is Knowledge Village AB Road Rajendra Nagar, Indore, Madhya Pradesh 452012, and the MAHLE Engine Component India Pvt Ltd, whose address is Plot No. 112, Sector 1, Pithampur Industrial Area, Pithampur, 454775.
2. **PURPOSE:** The purpose of this MOU is to establish the terms and conditions under which a team comprises of one faculty member, one lab technician and a group of six students from fire technology & safety engineering department will meet and function in the area of hazards control and management at the premises of MAHLE Engine Component India Pvt Ltd. The team will visit with departmental instruments once in every six month and same will be permitted at the end of MAHLE Engine Component India Pvt Ltd. The measured data concerning with hazards shall be used in UG and PG projects of students and also the solution given by the team may be incorporated in MAHLE Engine Component India Pvt Ltd depending upon the practical feasibility and their consideration.
3. **TERM OF MOU:** This MOU is effective upon the day and date last signed and executed by the duly authorized representatives of the parties to this MOU and shall remain in full force till termination. This MOU may be terminated, without cause, by either party upon one month written notice, which notice shall be delivered by hand or by certified mail to the address listed above.
4. **RESPONSIBILITIES OF FIRE TECHNOLOGY & SAFETY ENGINEERING DEPARTMENT IPS ACADEMY INSTITUTE OF ENGINEERING & SCIENCE:**
  - a) The team from Fire Technology & Safety Engineering department IPS Academy Institute of Engineering & Science will arrange their own lodging, boarding and travelling arrangement from their destination to MAHLE Engine Component India Pvt Ltd.

Contd....2

31 MAY 2019

- b) The team will carry relevant instruments such as integrated sound level meter, noise dosimeter and air sampling pump unit and any other relevant instrument for the measurement of hazards associated in different sections in MAHLE Engine Component India Pvt Ltd.
- c) The team will submit a copy of collected data after observations and analysis to the MAHLE Engine Component India Pvt Ltd for their consideration in safety management.
- d) The team shall not be eligible for any stipend or remuneration charges from MAHLE Engine Component India Pvt Ltd and it will be solely for quality education purpose.
- e) The team will ensure to abide by rules and safety norms of MAHLE Engine Component India Pvt Ltd during visit and during hazard monitoring activities.
- f) The data collected by team will be used in education purpose only and kept confidential.

**6. RESPONSIBILITIES OF MAHLE ENGINE COMPONENT INDIA PVT LTD:**

- a) The MAHLE Engine Component India Pvt Ltd will permit and arrange team visit for Fire Technology & Safety Engineering department IPS Academy Institute of Engineering & Science once in every six month. The date and time of visit will be fixed based on mutual discussion and consent of both parties.
- b) The MAHLE Engine Component India Pvt Ltd will not be eligible for any cost/charges for the team visit.
- c) The MAHLE Engine Component India Pvt Ltd will deploy a responsible technical officer to coordinate with the team to carryout hazard monitoring activities in different sections of MAHLE Engine Component India Pvt Ltd.
- d) The MAHLE Engine Component India Pvt Ltd will ensure the safety of team members and associated instruments during hazard monitoring activities.

**7. GENERAL PROVISIONS:**

- A. Amendments:** Either party may request changes to this MOU. Any changes, modifications, revisions or amendments to this MOU which are mutually agreed upon by and between the parties to this MOU shall be incorporated by written instrument, and effective when executed and signed by all parties to this MOU.
- B. Applicable Law:** The construction, interpretation and enforcement of this MOU shall be governed by the laws of the State of Madhya Pradesh and local bye laws.

31 MAY 2019

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C. **Entirety of agreement:** This MOU, consisting of Three pages, represents the entire and integrated agreement between the parties and supersedes all prior representations and agreements, whether written or oral.

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

The effective date of this MOU is the date of the signature last affixed to this page.

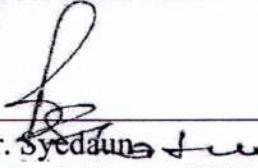
[FIRE TECHNOLOGY & SAFETY ENGINEERING DEPARTMENT  
IPS ACADEMY INSTITUTE OF ENGINEERING & SCIENCE]



Dr. Praveen Patel  
Professor and Head

31 MAY 2019

[MAHLE ENGINE COMPONENT INDIA PVT LTD]



Mr. Syedaun  
Senior Manager (HR)



## Memorandum of Understanding

**Between**  
**Moscow Institute of Physics and Technology (MIPT), Russia**  
**&**  
**IPS Academy Institute of Engineering & Science, Indore, India**

This Memorandum of Understanding is entered into on Feb 16<sup>th</sup>, 2019 by and between the Department of Computer Science and Numerical Mathematics, Moscow Institute of Physics and Technology (MIPT), Russia represented by Dr. Vasily Golubev, Associate Professor, and IPS Academy, Institute of Engineering & Science, Indore, India represented by Dr. Archana Keerti Chowdhary, Principal.

Both are agreed about the following:

1. The aims of cooperation are as follows: reinforcement of the research potential of both sides, engagement to research cooperation and practical realization of scientific development of numerical assessment methods of earthquake resistance of residential and industrial structures, which are of mutual interest.
2. The cooperation will be carried out as follows:
  - Tackling of mutual research projects;
  - Joined application for national and international grants;
  - Exchange by research and other useful information.
3. The obtained results will be available for the research community unless this contradicts to the laws of Russian Federation and Indian Republic.

IPS Academy,  
Institute of Engineering & Science,  
Indore, India

Moscow Institute of  
Physics and Technology,  
Department of Computer Science  
and Numerical Mathematics  
Moscow, Russia

Dr. Archana Keerti Chowdhary



Dr. Golubev Vasily

**MEMORANDUM OF UNDERSTANDING**  
**BETWEEN**  
**FIRE TECHNOLOGY & SAFETY ENGINEERING DEPARTMENT,**  
**IPS ACADEMY, INSTITUTE OF ENGINEERING & SCIENCE**  
**AND**  
**NARANG COLD STORAGE AND ICE FACTORY**

1. **PARTIES:** This Memorandum of Understanding (hereinafter referred to as "MOU") is made and entered into by and between the Fire Technology & Safety Engineering department of IPS Academy Institute of Engineering & Science, whose address is Knowledge Village AB Road Rajendra Nagar, Indore, Madhya Pradesh 452012, and the Narang Cold Storage and ICE Factory, whose address is Bijalpur, Indore, Madhya Pradesh 452012.
  
2. **PURPOSE:** The purpose of this MOU is to establish the terms and conditions under which a team comprises of one faculty member, one lab technician and a group of six students from fire technology & safety engineering department will meet and function in the area of hazards control and management at the premises of Narang Cold Storage and ICE Factory. The team will visit with departmental instruments once in every six month and same will be permitted at the end of Narang Cold Storage and ICE Factory. The measured data concerning with hazards shall be used in UG and PG projects of students and also the solution given by the team may be incorporated in Narang Cold Storage and ICE Factory depending upon the practical feasibility and their consideration.
  
3. **TERM OF MOU:** This MOU is effective upon the day and date last signed and executed by the duly authorized representatives of the parties to this MOU and shall remain in full force till termination. This MOU may be terminated, without cause, by either party upon one month written notice, which notice shall be delivered by hand or by certified mail to the address listed above.
  
4. **RESPONSIBILITIES OF FIRE TECHNOLOGY & SAFETY ENGINEERING DEPARTMENT IPS ACADEMY INSTITUTE OF ENGINEERING & SCIENCE:**
  - a) The team from Fire Technology & Safety Engineering department IPS Academy Institute of Engineering & Science will arrange their own lodging, boarding and travelling arrangement from their destination to Narang Cold Storage and ICE Factory.

29 JUN 2019

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- b) The team will carry relevant instruments such as integrated sound level meter, noise dosimeter and air sampling pump unit and any other relevant instrument for the measurement of hazards associated in different sections in Narang Cold Storage and ICE Factory.
- c) The team will submit a copy of collected data after observations and analysis to the Narang Cold Storage and ICE Factory for their consideration in safety management.
- d) The team shall not be eligible for any stipend or remuneration charges from Narang Cold Storage and ICE Factory and it will be solely for quality education purpose.
- e) The team will ensure to abide by rules and safety norms of Narang Cold Storage and ICE Factory during visit and during hazard monitoring activities.
- f) The data collected by team will be used in education purpose only and kept confidential.

**6. RESPONSIBILITIES OF STI INDIA LIMITED:**

- a) The Narang Cold Storage and ICE Factory will permit and arrange team visit for Fire Technology & Safety Engineering department IPS Academy Institute of Engineering & Science once in every six month. The date and time of visit will be fixed based on mutual discussion and consent of both parties.
- b) The Narang Cold Storage and ICE Factory will not be eligible for any cost/charges for the team visit.
- c) The Narang Cold Storage and ICE Factory will deploy a responsible technical officer to coordinate with the team to carryout hazard monitoring activities in different sections of Narang Cold Storage and ICE Factory.
- d) Narang Cold Storage and ICE Factory will ensure the safety of team members and associated instruments during hazard monitoring activities.

**7. GENERAL PROVISIONS:**

- A. **Amendments:** Either party may request changes to this MOU. Any changes, modifications, revisions or amendments to this MOU which are mutually agreed upon by and between the parties to this MOU shall be incorporated by written instrument, and effective when executed and signed by all parties to this MOU.
- B. **Applicable Law:** The construction, interpretation and enforcement of this MOU shall be governed by the laws of the State of Madhya Pradesh and local bye laws.

29 JUN 2019

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- C. **Entirety of agreement:** This MOU, consisting of Three pages, represents the entire and integrated agreement between the parties and supersedes all prior representations and agreements, whether written or oral.
8. **SIGNATURES:** In witness whereof, the parties to this MOU through their duly authorized representatives have executed this MOU on the days and dates set out below, and certify that they have read, understood, and agreed to the terms and conditions of this MOU as set forth herein.

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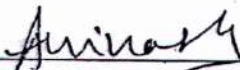
**[FIRE TECHNOLOGY & SAFETY ENGINEERING DEPARTMENT  
IPS ACADEMY INSTITUTE OF ENGINEERING & SCIENCE]**



**29 JUN 2019**

Dr. Praveen Patel  
Professor and Head

**[NARANG COLD STORAGE AND ICE FACTORY]**



Mr. Abhimanyu Narang  
General Manager

**MEMORANDUM OF UNDERSTANDING**  
**BETWEEN**  
**FIRE TECHNOLOGY & SAFETY ENGINEERING DEPARTMENT,**  
**IPS ACADEMY, INSTITUTE OF ENGINEERING & SCIENCE**  
**AND**  
**PARAKH AGRO INDUSTRIES LTD**

1. **PARTIES:** This Memorandum of Understanding (hereinafter referred to as "MOU") is made and entered into by and between the Fire Technology & Safety Engineering department of IPS Academy Institute of Engineering & Science, whose address is Knowledge Village AB Road Rajendra Nagar, Indore, Madhya Pradesh 452012, and the Parakh Agro Industries Ltd, whose address is Plot No.812/813, Sec-3, Industrial Area, District Dhar, Near Zyg Pharma, Pithampur, Madhya Pradesh, 454775.
  
2. **PURPOSE:** The purpose of this MOU is to establish the terms and conditions under which a team comprises of one faculty member, one lab technician and a group of six students from fire technology & safety engineering department will meet and function in the area of hazards control and management at the premises of Parakh Agro Industries Ltd. The team will visit with departmental instruments once in every six month and same will be permitted at the end of Parakh Agro Industries Ltd. The measured data concerning with hazards shall be used in UG and PG projects of students and also the solution given by the team may be incorporated in Parakh Agro Industries Ltd depending upon the practical feasibility and their consideration.
  
3. **TERM OF MOU:** This MOU is effective upon the day and date last signed and executed by the duly authorized representatives of the parties to this MOU and shall remain in full force till termination. This MOU may be terminated, without cause, by either party upon one month written notice, which notice shall be delivered by hand or by certified mail to the address listed above.
  
4. **RESPONSIBILITIES OF FIRE TECHNOLOGY & SAFETY ENGINEERING DEPARTMENT IPS ACADEMY INSTITUTE OF ENGINEERING & SCIENCE:**
  - a) The team from Fire Technology & Safety Engineering department IPS Academy Institute of Engineering & Science will arrange their own lodging, boarding and travelling arrangement from their destination to Parakh Agro Industries Ltd.

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16 MAY 2019

- b) The team will carry relevant instruments such as integrated sound level meter, noise dosimeter and air sampling pump unit and any other relevant instrument for the measurement of hazards associated in different sections in Parakh Agro Industries Ltd.
- c) The team will submit a copy of collected data after observations and analysis to the Parakh Agro Industries Ltd for their consideration in safety management.
- d) The team shall not be eligible for any stipend or remuneration charges from Parakh Agro Industries Ltd and it will be solely for quality education purpose.
- e) The team will ensure to abide by rules and safety norms of Parakh Agro Industries Ltd during visit and during hazard monitoring activities.
- f) The data collected by team will be used in education purpose only and kept confidential.

**6. RESPONSIBILITIES OF PARAKH AGRO INDUSTRIES LTD:**

- a) The Parakh Agro Industries Ltd will permit and arrange team visit for Fire Technology & Safety Engineering department IPS Academy Institute of Engineering & Science once in every six month. The date and time of visit will be fixed based on mutual discussion and consent of both parties.
- b) The Parakh Agro Industries Ltd will not be eligible for any cost/charges for the team visit.
- c) The Parakh Agro Industries Ltd will deploy a responsible technical officer to coordinate with the team to carryout hazard monitoring activities in different sections of Parakh Agro Industries Ltd.
- d) The Parakh Agro Industries Ltd will ensure the safety of team members and associated instruments during hazard monitoring activities.

**7. GENERAL PROVISIONS:**

- A. **Amendments:** Either party may request changes to this MOU. Any changes, modifications, revisions or amendments to this MOU which are mutually agreed upon by and between the parties to this MOU shall be incorporated by written instrument, and effective when executed and signed by all parties to this MOU.
- B. **Applicable Law:** The construction, interpretation and enforcement of this MOU shall be governed by the laws of the State of Madhya Pradesh and local bye laws.

76 MAY 2019

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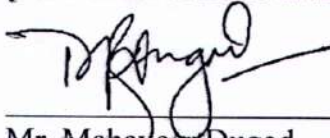
[FIRE TECHNOLOGY & SAFETY ENGINEERING DEPARTMENT  
IPS ACADEMY INSTITUTE OF ENGINEERING & SCIENCE]



Dr. Praveen Patel  
Professor and Head

15 MAY 2019

[PARAKH AGRO INDUSTRIES LTD]



Mr. Mahaveer Dugad  
General Manager





National Institutes for

Quantum and Radiological Science and Technology

1233, Watanuki, Takasaki, Gunma, 370-1292, Japan

Tel: +81-(0)27-346-9114 / Fax: +81-(0)27-346-9353

<http://www.qst.go.jp/ENG/>

J. Ponmozhi,  
Associate Professor, Department of Mechanical Engineering,  
Institute of Engineering & Science IPSA, Indore, INDIA

August 31, 2018

Dear Dr. J. Ponmozhi,

It is certified that

- 1) I and my collaborator, Dr. Funayama, agree to participate in this joint research project;
- 2) We agree with objectives and work plan of this project including projected visits from both sides;
- 3) I submit an application form of JAPAN-INDIA COOPERATIVE SCIENCE PROGRAMME to the Japan Society for the Promotion of Science (JSPS);
- 4) If our proposal is adopted, I will be responsible for completing the project and submitting the periodic progress report and financial statements to JSPS as a Japanese-side PI.

Please address all correspondence to:

Michiyo Suzuki,

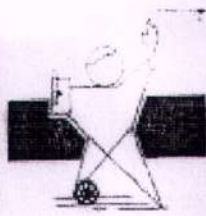
Department of Radiation-Applied Biology Research, Takasaki Advanced Radiation Research  
Institute, National Institutes for Quantum and Radiological Science and Technology  
(QST-Takasaki), 1233 Watanuki, Takasaki, Gunma 370-1292, Japan.

Tel: +81-(0)27-346-9114; Fax: +81-(0)27-346-9353; E-mail: [suzuki.michiyo@qst.go.jp](mailto:suzuki.michiyo@qst.go.jp)

Yours sincerely,

A handwritten signature in cursive script, appearing to read 'Michiyo Suzuki'.

Michiyo Suzuki, Ph.D.



Knowledge, Skill, Value

**IPS ACADEMY**

16 Colleges, 71 Courses, 58 Acre Campus

DIR IES/IPSA/2018/134

Date: 05/09/2018

**Endorsement from the Head of the Institution**

It is certified that **Dr. J. Ponmozhi (PI)** working as an associate professor in Institute of Engineering and science is submitting the project proposal entitled "*Development of a biocompatible vehicle for sustained delivery of lactobacillus spores as a treatment modalities for Bacterial Vaginosis*" to India-Japan Cooperative Science Programme (LICSP) – Department of Science & Technology (DST) with the following team of members

**Indian side**

- a. Dr. S. Dhinakaran (IIT-Indore)

**Japan side**

- a. Dr. Michyo Suzuki (Principal researcher, Takasaki Advanced Radiation Research Institute, National Institutes for Quantum and Radiological Science and Technology (QST-Takasaki))
- b. Tomoo Funayama, Senior Principal Researcher (Takasaki Advanced Radiation Research Institute, National Institutes for Quantum and Radiological Science and Technology (QST-Takasaki))

- 1) The institution agrees to participate in this joint research project;
- 2) In the event of the Indian Principal Investigator (PI) leaving the Institute due to retirement or otherwise, the Co-PI would become the PI and be responsible for completing the project and submitting the periodic progress report and financial statements;
- 3) The institution shall provide infrastructure & available facilities as mentioned above, for implementing the joint project;
- 4) The institution assumes to undertake financial & other management responsibilities for part of the project work to be carried out in this institution;
- 5) The breakup funding for manpower, consumables etc. is available to this project;
- 6) All necessary formalities as per our institution have been completed.

Seal of  
IPS Academy,  
Institute of Engineering & Science

Signature

Dr. Archana Kanti Chowdhary  
Principal  
IPS Academy  
Institute of Engineering & Science



**INSTITUTE OF ENGINEERING & SCIENCE**

Approved by AICTE, New Delhi, M.P. Government, Affiliated to RGPV, Bhopal

Phone: 0731-4014601-607, Telefax: 0731-4014602

Website: www.ipsacademy.org, www.ipsgroup.in, E-mail: director.ies@ipsacademy.org

**MEMORANDUM OF UNDERSTANDING**

**BETWEEN**

**FIRE TECHNOLOGY & SAFETY ENGINEERING DEPARTMENT,  
IPS ACADEMY, INSTITUTE OF ENGINEERING & SCIENCE**

**AND**

**RAJRATAN GLOBAL WIRE LIMITED**

1. **PARTIES:** This Memorandum of Understanding (hereinafter referred to as "MOU") is made and entered into by and between the Fire Technology & Safety Engineering department of IPS Academy Institute of Engineering & Science, whose address is Knowledge Village AB Road Rajendra Nagar, Indore, Madhya Pradesh 452012, and the Rajratan Global Wire Limited, whose address is Plot No.200,, Sector 1, Pithampur, Madhya Pradesh.
2. **PURPOSE:** The purpose of this MOU is to establish the terms and conditions under which a team comprises of one faculty member, one lab technician and a group of six students from fire technology & safety engineering department will meet and function in the area of hazards control and management at the premises of Rajratan Global Wire Limited. The team will visit with departmental instruments once in every six month and same will be permitted at the end of Rajratan Global Wire Limited. The measured data concerning with hazards shall be used in UG and PG projects of students and also the solution given by the team may be incorporated in Rajratan Global Wire Limited depending upon the practical feasibility and their consideration.
3. **TERM OF MOU:** This MOU is effective upon the day and date last signed and executed by the duly authorized representatives of the parties to this MOU and shall remain in full force till termination. This MOU may be terminated, without cause, by either party upon one month written notice, which notice shall be delivered by hand or by certified mail to the address listed above.
4. **RESPONSIBILITIES OF FIRE TECHNOLOGY & SAFETY ENGINEERING DEPARTMENT IPS ACADEMY INSTITUTE OF ENGINEERING & SCIENCE:**
  - a) The team from Fire Technology & Safety Engineering department IPS Academy Institute of Engineering & Science will arrange their own lodging, boarding and travelling arrangement from their destination to Rajratan Global Wire Limited.

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**15 APR 2019**

- b) The team will carry relevant instruments such as integrated sound level meter, noise dosimeter and air sampling pump unit and any other relevant instrument for the measurement of hazards associated in different sections in Rajratan Global Wire Limited.
- c) The team will submit a copy of collected data after observations and analysis to the Rajratan Global Wire Limited for their consideration in safety management.
- d) The team shall not be eligible for any stipend or remuneration charges from Rajratan Global Wire Limited and it will be solely for quality education purpose.
- e) The team will ensure to abide by rules and safety norms of Rajratan Global Wire Limited during visit and during hazard monitoring activities.
- f) The data collected by team will be used in education purpose only and kept confidential.

**6. RESPONSIBILITIES OF RAJRATAN GLOBAL WIRE LIMITED:**

- a) The Rajratan Global Wire Limited will permit and arrange team visit for F... Technology & Safety Engineering department IPS Academy Institute of Engineering & Science once in every six month. The date and time of visit will be fixed based on mutual discussion and consent of both parties.
- b) The Rajratan Global Wire Limited will not be eligible for any cost/charges for the team visit.
- c) The Rajratan Global Wire Limited will deploy a responsible technical officer to coordinate with the team to carryout hazard monitoring activities in different sections of Rajratan Global Wire Limited.
- d) The Rajratan Global Wire Limited will ensure the safety of team members and associated instruments during hazard monitoring activities.

**7. GENERAL PROVISIONS:**

- A. Amendments:** Either party may request changes to this MOU. Any changes, modifications, revisions or amendments to this MOU which are mutually agreed upon by and between the parties to this MOU shall be incorporated by written instrument, and effective when executed and signed by all parties to this MOU.
- B. Applicable Law:** The construction, interpretation and enforcement of this MOU shall be governed by the laws of the State of Madhya Pradesh and local bye laws.

15 APR 2019

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C. **Entirety of agreement:** This MOU, consisting of Three pages, represents the entire and integrated agreement between the parties and supersedes all prior representations and agreements, whether written or oral.

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

The effective date of this MOU is the date of the signature last affixed to this page.

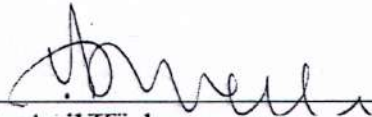
**[FIRE TECHNOLOGY & SAFETY ENGINEERING DEPARTMENT  
IPS ACADEMY INSTITUTE OF ENGINEERING & SCIENCE]**



Dr. Praveen Patel  
Professor and Head

15 APR 2019

**[RAJRATAN GLOBAL WIRE LIMITED]**



Mr. Anil Kashyap  
General Manager (HRM)

# MEMORANDUM OF UNDERSTANDING

BETWEEN

FIRE TECHNOLOGY & SAFETY ENGINEERING DEPARTMENT,  
IPS ACADEMY, INSTITUTE OF ENGINEERING & SCIENCE

AND

STI INDIA LIMITED

1. **PARTIES:** This Memorandum of Understanding (hereinafter referred to as "MOU") is made and entered into by and between the Fire Technology & Safety Engineering department of IPS Academy Institute of Engineering & Science, whose address is Knowledge Village AB Road Rajendra Nagar, Indore, Madhya Pradesh 452012, and the STI India Limited, whose address is Tota Road, Indore, Madhya Pradesh 452002.
2. **PURPOSE:** The purpose of this MOU is to establish the terms and conditions under which a team comprises of one faculty member, one lab technician and a group of six students from fire technology & safety engineering department will meet and function in the area of hazards control and management at the premises of STI India Limited. The team will visit with departmental instruments once every six month and same will be permitted at the end of STI India Limited. The measured data concerning with hazards shall be used in UG and PG projects of students and also the solution given by the team may be incorporated in STI India Limited depending upon the practical feasibility and their consideration.
3. **TERM OF MOU:** This MOU is effective upon the day and date last signed and executed by the duly authorized representatives of the parties to this MOU and shall remain in full force till termination. This MOU may be terminated, without cause, by either party upon one month written notice, which notice shall be delivered by hand or by certified mail to the address listed above.
4. **RESPONSIBILITIES OF FIRE TECHNOLOGY & SAFETY ENGINEERING DEPARTMENT IPS ACADEMY INSTITUTE OF ENGINEERING & SCIENCE:**
  - a) The team from Fire Technology & Safety Engineering department IPS Academy Institute of Engineering & Science will arrange their own lodging, boarding and travelling arrangement from their destination to STI India Limited.

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- b) The team will carry relevant instruments such as integrated sound level meter, noise dosimeter and air sampling pump unit and any other relevant instrument for the measurement of hazards associated in different sections in STI India Limited.
- c) The team will submit a copy of collected data after observations and analysis to the STI India Limited for their consideration in safety management.
- d) The team shall not be eligible for any stipend or remuneration charges from STI India Limited and it will be solely for quality education purpose.
- e) The team will ensure to abide by rules and safety norms of STI India Limited during visit and during hazard monitoring activities.
- f) The data collected by team will be used in education purpose only and kept confidential.

**6. RESPONSIBILITIES OF STI INDIA LIMITED:**

- a) The STI India Limited will permit and arrange team visit for Fire Technology & Safety Engineering department IPS Academy Institute of Engineering & Science once in every six month. The date and time of visit will be fixed based on mutual discussion and consent of both parties.
- b) The STI India Limited will not be eligible for any cost/charges for the team visit.
- c) The STI India Limited will deploy a responsible technical officer to coordinate with the team to carryout hazard monitoring activities in different sections of STI India Limited.
- d) The STI India Limited will ensure the safety of team members and associated instruments during hazard monitoring activities.

**7. GENERAL PROVISIONS:**

- A. Amendments:** Either party may request changes to this MOU. Any changes, modifications, revisions or amendments to this MOU which are mutually agreed upon by and between the parties to this MOU shall be incorporated by written instrument, and effective when executed and signed by all parties to this MOU.
- B. Applicable Law:** The construction, interpretation and enforcement of this MOU shall be governed by the laws of the State of Madhya Pradesh and local bye laws.

7 JUN 2019

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C. **Entirety of agreement:** This MOU, consisting of Three pages, represents the entire and integrated agreement between the parties and supersedes all prior representations and agreements, whether written or oral.

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

The effective date of this MOU is the date of the signature last affixed to this page.

**[FIRE TECHNOLOGY & SAFETY ENGINEERING DEPARTMENT  
IPS ACADEMY INSTITUTE OF ENGINEERING & SCIENCE]**

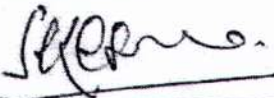


**7 JUN 2019**

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Dr. Praveen Patel  
Professor and Head

**[STI INDIA LIMITED]**



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Mr. S.K. Verma  
General Manager (HRM)