

**SRI KRISHNADEVARAYA EDUCATIONAL TRUST**  
No. 16, Ballari Road, Sadashivanagar, Bengaluru - 560 080

Ref.No.KET/SMVIT: 200 2021 - 2022/572

Date: 23/11/2021

**NOTE:**

Sub: Approval for renewal of MOU with M/s. Aspartika Biotech - Reg.

Ref: Your e-mail communications dated 23/11/2021

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With reference to the above subject, permission is hereby accorded to renew the MOU with M/s. Aspartika Biotech from 1<sup>st</sup> September, 2021 to 31<sup>st</sup> August, 2022 for facilitating execution of collaborative projects, students' internships / project works and students' training etc., without any financial commitment to the Institution / Trust.

  
(K. SYAMARAJU)  
SECRETARY

To  
The Principal,  
Sir MVIT,  
Bengaluru.

Copy to:

1. The HOD, Dept. of Bio-Technology, Sir MVIT, Bengaluru.
2. Accounts Officer, Sri KET, Bengaluru.

SRI KRISHNADEVARAYA EDUCATIONAL TRUST

## SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Krishnadevarayanagar, Hunasamarahalli, International Airport Road, Bangalore - 562 157.

(Affiliated to Visvesvaraya Technological University, Recognised by AICTE & Accredited by National Board of Accreditation, New Delhi. An ISO 9001 : 2008 Certified Institution)



Ph.: 080 - 2846 7248 / 2847 7024 / 25 / 26 Fax : 080-2846 7081

E-mail : principal@sirmvit.edu, sirmvitbg@gmail.com, Web : www.sirmvit.edu



### Renewal of MoU Dated 12 July 2013 & Supplement to MoU Dated 11 December 2015

With reference to the Letter No: KET/200/2019-2020/035, dated 20<sup>th</sup> March, 2020, approval is accorded for the renewal of MoU of Sir M Visvesvaraya Institute of Technology with M/s Aspartika Biotech Pvt Ltd for a period of 2 years, one month from 12/07/2018 to 12/08/2020, to pursue collaborative project.

Dr. V R Manjunath

Principal, MVIT.

Sir M. VISVESVARAYA INSTITUTE OF TECHNOLOGY  
Krishnadevarayanagar, Hunasamarahalli,  
International Airport Road, Bangalore-562157.



SRI KRISHNADEVARAYA EDUCATIONAL TRUST'S

## SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Krishnadevarayanagar, Hunasamaranahalli, Off. International Airport Road, Bangalore - 562 157.



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### SUPPLEMENTATION TO MOU DATED 12 JULY 2013

This is to mention that, the terms and conditions provided in the MoU signed on 12 July 2013 with Srinivas B V (who is currently the Director of M/s Aspartika Biotech Private Limited) presented shall be applicable to M/s Aspartika Biotech Private Limited, Company incorporated under Companies Act 2013 having registered office at # 3221, 1<sup>st</sup> Floor, 1<sup>st</sup> Main, 7<sup>th</sup> Cross, Nagamma Layout, Kavalbyrasandra, R T Nagar Post, Bangalore -32, Karnataka, India and, M/s Aspartika Biotech Private Limited, Apart from supplementation of the company in the MOU, the other terms shall remain effective for all purposes which is incubated at Sir M Visvesvaraya Institute of Technology, SIRO centre, Bangalore.

*h.s. 2013*

Dr. M S Indira  
(Principal)

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY  
Krishnadevarayanagar, Hunasamaranahalli,  
International Airport Road, Bangalore-562 157

**Memorandum of Understanding (MoU)**

1. This MoU is made and executed on the 12<sup>th</sup> July 2013

Between

**Sir M Visvesvaraya Institute of Technology located at Bangalore, hereinafter called the "INCUBATOR"**

And

**Mr. Srinivas B V, S/o R. Venkataramana, resident of Bangalore, hereinafter called the 'PARTY'**

WHEREAS the INCUBATOR is the rightful representative of the laboratory or Incubation Center in Incubator building (SCHEDULED PROPERTY) which houses the Laboratory room as prescribed.

WHEREAS THE "PARTY" herein is in need of lab space (SCHEDULED PREMISES) located in the SCHEDULED PROPERTY for its laboratory-cum-office, and has approached INCUBATOR to allow to use the SCHEDULED PREMISES for a period of 60 MONTHS and renewable thereafter by mutual consent. The purpose of using the SCHEDULED PREMISES by "PARTY" is to carry out work on **"Value Added Products such as poultry feed, aqua feed and nutraceuticals from the wastes/byproducts of palm & Silk reeling industries"**. This project is funded through the Biotechnology Ignition Grant Scheme by the Department of Biotechnology, Govt. of India for the purposes of carrying research projects.

AND WHEREAS the INCUBATOR has agreed to allow the "PARTY" to use the SCHEDULED PREMISES for a period of 60 months, renewable thereafter every 30 MONTHS, subject to terms and conditions stated hereinafter:



12.7.13

## SCHEDULE

The lab facilities included in the Incubator room, on the 2<sup>nd</sup> Floor, 5<sup>th</sup> Block,  
Sir MVIT Campus, Bangalore .

---

(1) INCUBATOR Name

*Indira K*  
*Dr. Indira K.S*  
Seal & Signature  
PRINCIPAL  
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY  
Krishnadarayanagar, Hunsuramahanalli,  
International Airport Road, Bangalore-562 157.

Witness

(i) *H. Nagendra*  
*12/7/13*  
(H.G. Nagendra)

(ii) *Rajendra Singh*  
*Rpt Singh*

(2) "PARTY" Name

SRINIVAS . B.V.  
*B.V. Srinivas*

Witness

(i) *Ashwini*  
(Ashwini M)

(ii) *Mohan K*  
(MOHAN. K)

**SRI KRISHNADEVARAYA EDUCATIONAL TRUST**  
No. 16, Ballari Road, Sadashivanagar, Bengaluru - 560 080

Ref.No.KET/MVIT/200/2021 - 2022/573

Date : 23/11/2021

**NOTE:**

Sub: Approval for renewal of MOU with M/s. Mallipathra  
Nutraceuticals Pvt. Ltd.  
Ref: Your e-mail communications dated 23/11/2021  
\*\*\*

With reference to the above subject, permission is hereby accorded to renew the MOU with M/s. Mallipathra Nutraceuticals Pvt. Ltd. from 1<sup>st</sup> September, 2021 to 31<sup>st</sup> August, 2022 for facilitating execution of collaborative projects, students' internships / project works and students' training etc., without any financial commitment to the Institution / Trust.

  
(K. SYAMA RAJU)  
SECRETARY

To  
The Principal,  
Sir MVIT,  
Bengaluru.

Copy to:

1. The HOD, Dept. of Bio-Technology, Sir MVIT, Bengaluru.
2. Accounts Officer, Sri KET, Bengaluru.

SRI KRISHNADEVARAYA EDUCATIONAL TRUST'S

## SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

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Ph.: 080 - 2846 7248 / 2847 7024 / 25 / 26 Fax : 080-2846 7081

E-mail : principal@sirmvit.edu, sirmvitbgl@gmail.com, Web : www.sirmvit.edu



Ref: No. VIT / OFF / S. 73 / 3789 / 2016 - 2017

dt: 30/3/16

### SUPPLEMENTATION TO MOU DATED 20 JANUARY 2014

This is to mention that, the terms and conditions provided in the MoU signed on 20 JAN, 2014 with Dr. Mousumi Mondal (who is currently the Director of M/s Mallipathra Nutraceutical Private Limited), shall be applicable to M/s Mallipathra Nutraceutical Private Limited, Company incorporated under Companies Act 2013 having CIN Number U15400KA2016PTC086296. Apart from supplementation of the company in the MoU, the other terms shall remain effective for all purposes which is incubated at Sir M Visvesvaraya Institute of Technology, SIRO centre, Bangalore.

(Principal)

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY  
Krishnadevarayanagar, Hunasamaranahalli,  
Off. International Airport Road, Bangalore-562 157.





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| Certificate No.           | : IN-KAS7942681946271M                       |
| Certificate issued Date   | : 18-Jan-2014 11:17 AM                       |
| Account Reference         | : MONACC (FI) kaka08/YELAHANKA/ KA-BN        |
| Unique Doc. Reference     | : SUBN-KAKAKSFCL0073891898023558M            |
| Purchased by              | : DR MOUSUMI MONDAL                          |
| Description of Document   | : Article 12 Bond                            |
| Description               | : M O U                                      |
| Consideration Price (Rs.) | : 0<br>(Zero)                                |
| First Party               | : DR MOUSUMI MONDAL                          |
| Second Party              | : SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY |
| Stamp Duty Paid By        | : DR MOUSUMI MONDAL                          |
| Stamp Duty Amount (Rs.)   | : 100<br>(One Hundred only)                  |



SHRI LAKSHMI BODHARDA  
MULTIPURPOSE CO-OP LTD  
Yelahanka Branch, Bangalore

Please write or type below this line

Memorandum of Understanding (MoU)

This MoU is made and executed on the 20<sup>th</sup> of January 2014

Between

Sir M Visvesvaraya Institute of Technology located at Bangalore, hereinafter called the "INCUBATOR"

*Handwritten signature*

PRINCIPAL

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY  
Kuvempu University, Hebbal, Bengaluru-560075  
Website: [www.smit.edu](http://www.smit.edu)

*Handwritten signature*  
20/1/14

1. The address of the Stamp Office is provided on the website [www.kstamps.gov](http://www.kstamps.gov). Any discrepancy in the details on this Certificate shall be  
2. The user of creating the digitally signed on the users of the certificate.  
3. In case of any other queries please refer the Government Authority.



**SCHEDULE**

The lab facilities included in the Incubator room, on the First Floor of KHRC Building, Sir MVIT Campus, Bangalore.

(1) INCUBATOR Name

Dr. Jairesh Me

Witness

(i) Dr. H. G. NAGENDRA  
*H. G. Nagendra*  
20/1/14

Seal & Signature

*Jairesh Me*  
Principal  
SRI M. VEYERARAYA INSTITUTE OF TECHNOLOGY  
K. R. Narayana Road, Narasimharajpet, Bangalore-560 087.  
International Airport Road, Bangalore-560 087.

(ii) *Jayashree Kar D*  
*Jayashree Kar D*  
20/1/14

(2) "PARTY" Name

Dr. Hemant Nandani

Witness

(i) IRSEETA JENA  
*Irseeta Jena*  
20/1/2014

Signature

*[Signature]*

(ii) Sankuochi B.K  
*Sankuochi B.K*  
20/1/2014

SRI KRISHNADEVARAYA EDUCATIONAL TRUST'S

## SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

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Ref: No. VIT / Off / G-73 / 3789 / 2016-2017

dat: 30/3/16

### SUPPLEMENTATION TO MOU DATED 20 JANUARY 2014

This is to mention that, the terms and conditions provided in the MoU signed on 20 JAN, 2014 with Dr. Mousumi Mondal (who is currently the Director of M/s Mallipathra Nutraceutical Private Limited), shall be applicable to M/s Mallipathra Nutraceutical Private Limited, Company incorporated under Companies Act 2013 having CIN Number U15400KA2016PTC086296. Apart from supplementation of the company in the MoU, the other terms shall remain effective for all purposes which is incubated at Sir M Visvesvaraya Institute of Technology, SIRO centre, Bangalore.

(Principal)

PRINCIPAL  
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY  
Krishnadevarayanagar, Hunasamaranahalli,  
International Airport Road, Bangalore-562 157.



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| Account Reference         | : NONACC (FI)/ kaksfcl08/ YELAHANKA1/ KA-BN  |
| Unique Doc. Reference     | : SUBIN-KAKAKSFCL0873861898023556M           |
| Purchased by              | : DR MOUSUMI MONDAL                          |
| Description of Document   | : Article 12 Bond                            |
| Description               | : M O U                                      |
| Consideration Price (Rs.) | : 0<br>(Zero)                                |
| First Party               | : DR MOUSUMI MONDAL                          |
| Second Party              | : SIR M.VISVESVARAYA INSTITUTE OF TECHNOLOGY |
| Stamp Duty Paid By        | : DR MOUSUMI MONDAL                          |
| Stamp Duty Amount(Rs.)    | : 100<br>(One Hundred only)                  |



SHRI LAKSHMI SOUHARDA  
MULTIPURPOSE CO-OP LTD  
Yelahanka Branch, Bangalore

-----Please write or type below this line-----

Memorandum of Understanding (MoU)

This MoU is made and executed on the 20<sup>th</sup> of January 2014

Between

Sir M Visvesvaraya Institute of Technology located at Bangalore, hereinafter called the "INCUBATOR"

18/1/2014

20/1/14

PRINCIPAL  
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY  
Krishnadevaraya Nagar, Hunsarayanahalli,  
International Airport Road, Bangalore - 560076,  
Karnataka

1. The authenticity of this Stamp Certificate should be verified at [www.sholestamp.com](http://www.sholestamp.com). Any discrepancy in the details on this Certificate and as available on the website renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

And

Dr. Mousumi Mondal, D/o Ananda Dulal Mondal, resident of Bangalore, hereinafter called the' "PARTY"

WHEREAS the INCUBATOR is the rightful representative of the laboratory or Incubation Center in Incubator building (SCHEDULED PROPERTY) which houses the Laboratory room as prescribed.

WHEREAS THE "PARTY" herein is in need of lab space (SCHUDULED PREMISES) located in the SCHEDULED PROPERTY for its laboratory-cum-office, and has approached INCUBATOR to allow using the SCHEDULED PREMISES for a period of 60 MONTHS and renewable thereafter by mutual consent. The purpose of using the SCHEDULED PREMISES by "PARTY" is to carry out work related to "Development of economically viable synergistic nutraceutical formulations with Cordyceps and male silkworm larvae for disorders related to pancreas, kidney, liver, impotency etc. by culturing Cordyceps on silkworm in an artificial environment" and its subsequent developments. This project is funded through the Biotechnology Ignition Grant Scheme by the Department of Biotechnology, Govt. of India for the purposes of carrying research projects.

AND WHEREAS the INCUBATOR has agreed to allow the "PARTY" to use the SCHEDULED PREMISES for a period of 60 months, renewable thereafter every 30 MONTHS, subject to terms and conditions stated hereinafter:

12/11/14  
20/11/14

PRINCIPAL  
SIR. M. VISVESVARAYA INSTITUTE OF TECHNOLOGY  
Krishnadevarayanagar, Hunsamaranahalli,  
International Airport Road, Bangalore-562 157.

**NOW THIS DEED OF MoU WITNESSETH AS FOLLOWS:**

1. The INCUBATOR hereby demises to the "PARTY" the SCHEDULED PREMISES comprising Laboratory space (with uninterrupted power and water supply) located at the SCHEDULED PROPERTY situated in the First floor of KHRC Building, Sir MVIT Campus, Bangalore.
2. Date of start of occupation: The MoU shall come into effect from 20<sup>th</sup> of Jan, 2014.
3. The INCUBATOR shall make available the facilities available in the Department (Annexure I) hereunder on a shared-basis to the "PARTY" at the SCHEDULED PREMISES for the term of this MoU and any subsequent extensions to it. While these Equipments are not for exclusive use of the "PARTY", INCUBATOR agrees to make available such Equipments to allow the "PARTY" to use them for as much time as they are in reasonable need on any of them. There shall be no additional usage charges for the Equipments by the PARTY TO THE INCUBATOR.
4. The "PARTY" would also allow the INCUBATOR to use the Equipments purchased for the purpose of the intended company/project under shared-basis with the research scholars of the INCUBATOR, without any operational charges.

20/1/14

PRINCIPAL  
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY  
Krishnadevarayanagar, Hunsamaranahalli,  
International Airport Road, Bangalore-562 157.

20/1/14



5. The consumables (operational costs) required by the "PARTY" for the successful execution of the project shall be borne by the "PARTY" from project grants.
6. In consideration for the above, The "PARTY" shall work closely with the INCUBATOR for training their students and provide academic projects and internships through the existing arrangement. The number of such students trained shall be decided on project tenure and dimensions.
7. The party shall continue to submit proposals for obtaining financial support from reputed funding agencies towards gaining knowledge capital and enabling effective utilization of the infrastructure.
8. The "PARTY" shall also acknowledge the support provided by the "INCUBATOR" in all the publications/patents/reports.
9. The "PARTY" shall not sublet or part with the possession of the SCHEDULED PREMISES in any manner without the consent of the INCUBATOR.

The "PARTY" shall be at liberty to carry on activities in the SCHEDULED PREMISES, associated with the project "**Development of economically viable synergistic nutraceutical formulations with Cordyceps and male silkworm larvae for disorders related to pancreas, kidney, liver, impotency etc. by culturing Cordyceps on silkworm in an artificial environment**". The personnel inducted towards the project will be facilitated in the purview of the project dimensions.

Indira 13  
20/11

PRINCIPAL  
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY  
Krishnadevarayana Nagar, Hampi, Samaralahalli,  
International Airport Road, Daagator-562 157.

  
20/11/14



1. The "PARTY" shall keep the SCHEDULED PREMISES neat, tidy and clean and in usable condition and shall not cause any damage to the building/equipment.
2. Damages and repairs to the SCHEDULED PREMISES: In case any damage is caused to the SCHEDULED PREMISES/equipments by the "PARTY" or the employees of the "PARTY", the "PARTY" shall repair/replace the same at their cost.
3. The INCUBATOR shall allow the statutory bodies/officials of the funding agencies who will visit the premises towards monitoring the progress of the projects.
4. Termination of the MoU: The MoU can be terminated by both the parties giving a notice of Three months.

Signed on...20<sup>th</sup>...of January 2014

20/1/14

PRINCIPAL  
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY  
Krishnadevarayanagar, Hanasamarahalli,  
International Airport Road, Bangalore-562 157

20/1/14

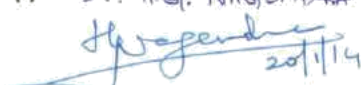
**SCHEDULE**

The lab facilities included in the Incubator room, on the First Floor of KHRC Building, Sir MVIT Campus, Bangalore.

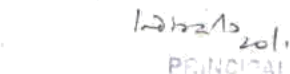
**(1) INCUBATOR Name**


DR. INDIRA M.S

**Witness**

(i) Dr. H.G. NAGENDRA  
  
20/1/14

**Seal & Signature**


  
PRINCIPAL  
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY  
Krishnadevarayanagar, Hunsarasanahalli,  
International Airport Road, Bangalore-562 157.

(ii) Jagadeesh Kar. B.  
  
20/1/14

**(2) "PARTY" Name**


Dr. Mausumi Mandal.

**Witness**

(i) IPSEETA JENA  
  
20/01/2014

**Signature**



(ii) SANTHOSH . B. K  
  
20/01/2014

Annexure I

- HPLC- High-performance liquid chromatography
- Ultra Sonicator
- C24-Cooling Centrifuge
- Fermenter - Sartorius
- Tangential flow filtration
- MilliQ water purifiers
- GelDoc,
- Biorad Electrophoresis
- Deep freezer
- Laminar Air Flow
- Electrophoresis units
- Peristaltic Pump
- Ultraviolet Visible Spectrophotometer
- Cooling Centrifuge
- PCR
- Incubator
- Binocular Microscope
- Cooling Microfuge
- High Speed Cooling Centrifuge
- Ultrafiltration Assembly
- Colony Counter
- UV -Transilluminator
- White light-Transilluminator
- Autoclave
- Distillation Setup (Simple, Packed Column, and Steam)
- Heat Transfer through packed bed
- Tray dryer
- Wetted Wall Column Equipment
- Sieve Analysis Shaker
- Leaf filter equipment
- Packed bed extraction
- Vertical Condenser
- Computerised Flow Control, Pressure Control, and Temperature Control equipments
- Interaction Systems
- Non -Interaction Systems
- Single Tank System
- Batch Reactor
- Plug Flow Reactor
- Mixed Flow Reactor
- Venturimeter Equipment
- Orifice Equipment
- Centrifugal pumps
- Reciprocating Pumps
- Plate and Frame Filtration Equipment
- Settling Equipment.
- Friction in Pipe equipment
- Open Orifice.
- GCG (Bioinformatics Lab with 30 P4 computers networked with the Linux server running GCG Wisconsin package and with full-fledged internet facilities).
- Discovery Studio 3.5- Software - The most complete modeling and simulation solution yet for both small molecules and macromolecules-based drug design.
- FlexX -commercial docking software

12/12/2011



PRINCIPAL  
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY  
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International Airport Road, Bangalore-562 157.





सत्यमेव जयते

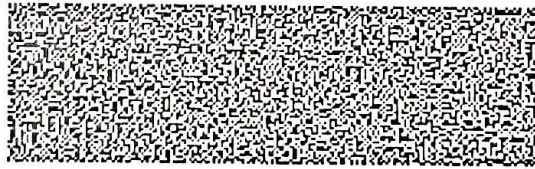
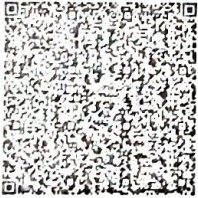
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**Government of Karnataka**

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Unique Doc. Reference : SUBIN-KAKAKSFCL0872367803542119V  
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Description of Document : Article 12 Bond  
Description : MOU  
Consideration Price (Rs.) : 0  
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First Party : SRIKEM LABORATORIES PVT LTD  
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Stamp Duty Paid By : SRIKEM LABORATORIES PVT LTD  
Stamp Duty Amount(Rs.) : 100  
(One Hundred only)



Please write or type below this line

### MEMORANDUM OF UNDERSTANDING

This memorandum of understanding (MoU) is entered into on 4<sup>th</sup> January 2023 by and between.

**Srikem Laboratories Pvt, Ltd.**, Plot No. 17.24, MIDC, Taloja, Navi Mumbai, Maharashtra 410208 represented by its Chief Managing Director Mr. Srinivasan S., hereinafter referred to as Srikem on the one part.

And

**Sir M. VISVESVARAYA INSTITUTE OF TEHNOLOGY**, Hunasamaranahalli, Village. Yelahanka, Bangalore - 562157, an affiliated college of Visvesvaraya Technological University, Belgaum, represented by its PRINCIPAL, herein after referred to as "SMVIT" on the other part (the parts herein referred, Srikem or SMVIT mean and include the respective representatives, legal heirs, successors assignees and newly formed entity).

**Statutory Alert:**

1. The authenticity of this Stamp certificate should be verified at 'www.shcilestamp.com' or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

*Srinivasan S.*



Whereas, SMVIT has the required facilities including academic strength and basic laboratory equipment for undertaking these projects.

**NOW THIS MEMORANDUM OF UNDERSTANDING WITNESSETH AS FOLLOWS:**

**1: Obligations of SMVIT:**

- To provide necessary facilities (space/equipment/manpower) to effectively conduct the research projects and assign necessary faculty members to assist in achieving the project objectives. There would NO financial obligations/implications from Sri KET / Sir MVIT.
- Periodically review with the identified faculty (faculties) to monitor the progress of the projects.

**2: Obligations of Srikem:**

- Provide the required financial resources and needful guidance towards smooth execution of the project to the identified faculty member/s.
- In case of projects identified and /or obtained from **Srikem** for which facilities are available at SMVIT, select set of student may be permitted to do such projects at SMVIT under the guidance of the identified faculty of SMVIT and experts of Srikem.

**Collaborative Project Work**

- Srikem and SMVIT may undertake collaborative research projects wherein faculty/students of SMVIT and authorized representative of Srikem can work together.
- For such collaborative efforts wherever possible joint efforts may be made for receipt of funds and/or facilities from appropriate authorities/agencies.
- Documents related to Non-disclosure Agreements may be appropriately signed, to maintain the confidentiality of the project details and process/products being developed.

**Intellectual properties Rights (IPR)**

IPR for any novel product/s or processes developed will be exclusively with Srikem. However, SMVIT is at liberty to use them for non-commercial purpose with the consent of the other party, while Srikem can use them for commercial as well as noncommercial purposes without the consent of SMVIT. However, a predefined royalty and financial benefit at the rate of 2.5 Lakhs in lump sum (Rupees Two Lakh Fifty Thousand Only) will be paid by Srikem to Sir MVIT after completion of one Ton sales of the product developed with Sir MVITs assistance.

- The methodologies utilized for the preparation of the process/product exclusively stays with Srikem and strict confidentiality is maintained by SMVIT until disclosure is permitted or disclosed by Srikem itself.
- The projects arising from this memorandum of understanding (MoU) cannot be undertaken with any other commercial organization without the consent of Srikem.

#### Publications

- Any publication/s or presentations of the project findings / outcomes, so undertaken, shall be done in concurrence with the parties/members concerned, and duly acknowledged with names of the persons associated from both SMVIT and Srikem.

#### Non-Exclusivity

- It is understood that this MoU is non-exclusive. Both Srikem and SMVIT may have similar arrangements with other organizations. However both will maintain confidentiality with regard to the collaborative projects under taken as per this MoU.

#### General

- This MOU is valid for a period of 5 years from the date of its signature. It may be renewed with mutual consent of authorities, as per requirements and with suitable amendments.
- In case of any disputes, it shall be mutually discussed and resolved by both the parties. In case of arbitration, it would be resolved at Mumbai/Bengaluru courts, as per norms.

#### Termination:

- Either party shall be free to terminate this MoU with two months (60 days) notice to the other party. However all obligations as on the date of termination notice shall be duly discharged by both parties.

#### Non-disclosure agreement

- A separate agreement for non-disclosure of proprietary information is to be signed as a part of this MoU by both the parties, and it shall have a validity period as mentioned therein.

For Srikem  
Bengaluru  
Date:



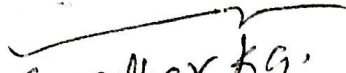

For SMVIT  
Bengaluru  
Date: 6/01/2023

PRINCIPAL  
SRI M. VISVESVARAYA INSTITUTE OF TECHNOLOGY  
K. J. Somaiya Vengaloor, Punasamaranahalli,  
International Airport Road, BANGALORE-562 167

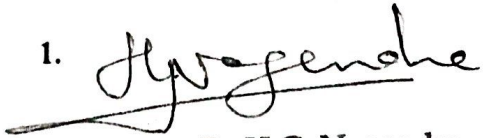


Witnesses


1.

  
Sreedhar K.G.  
Technical Director.  
Sriken Laboratories Pvt. Ltd.

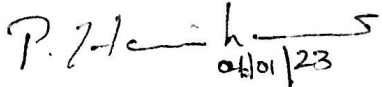
1.

  
Dr H.G. Nagendra  
Professor & Head  
Department of Biotechnology  
Sir M. Visvesvaraya Institute of Technology  
BANGALORE - 562157

2.

  
HRF Admin Executive  
Sriken Laboratories Pvt. Ltd.

2.

  
P. J. ...  
04/01/23  
Department of Biotechnology  
Sir M. Visvesvaraya Institute of Technology  
Basavanahalli Via : Yelahanka.  
BANGALORE - 562157

1.2.5 Was developed by employees or agents of Receiver independently of and without reference to Discloser's information.

1.2.6 Is released by Discloser to any third party free from any obligation or confidence.

1.2.7 Is disclosed inadvertently, provided Receiver uses the same degree of care but no less than a reasonable degree of care, as Receiver uses to protect its own **similar confidential** information of like importance, prevent any further inadvertent use, publication or dissemination of such information and promptly notify the Discloser concerning the disclosure and the results of Receiver's efforts to recover the information.

1.3 Discloser's information disclosed to Receiver shall be and remain the Property of Discloser. All such information (including copies) shall be promptly destroyed, or returned to Discloser upon Discloser's written request. If destruction is requested, Receiver shall provide written certification of compliance within thirty (30) days of such request.

1.4 Export regulations may apply to further authorized release of discloser's Information by Receiver. This Agreement does not authorize export/publication abroad of technical data.

1.5 None of the information provided under this agreement will include or Embody the proprietary information of any third party unless the Discloser has proper authority from the third party to make the disclosure.

1.6 Nothing contained herein shall restrict either party from disclosing any portion of such information pursuant to a final judicial or other lawful government order, but only to the extent of such an order. In the event of such an order or initiation of proceedings likely to result in such an order. The receiver shall immediately notify the Discloser and reasonably assist the Discloser in protecting its information to the maximum extent allowed by law.

## 2.0 TERMINATION

2.1 unless terminated earlier, termination will occur upon expiration of FIVE years from the effective date of this agreement. This agreement may be terminated earlier by either party by providing Sixty (60) days prior written notice to the other party. Termination shall not, however, affect these rights and obligation with respect to information disclosed prior to termination.

2.2. These obligations of non-disclosure shall exist and continue until three (3) years from the date of disclosure of each item of information, notwithstanding the earlier expiration or termination of this Agreement.

Two handwritten signatures in cursive script are located at the bottom of the page. The signature on the left is more compact and appears to be 'S. [unclear]', while the signature on the right is more elongated and appears to be 'J. [unclear]'. Both signatures are written in dark ink.



**AGREEMENT FOR NON-DISCLOSURE OF PROPRIETARY INFORMATION  
(Mutual Exchange)**

THIS AGREEMENT is effective upon date of latest signature, by and between the Srikem Laboratories Pvt. Ltd herein after referred as Srikem having a place of business at Mumbai and Sri M V Institute of Technology, hereafter referred as Institute, a college organized and existing under the laws of the state of Karnataka at Bangalore, affiliated to Visvesvaraya Technological University.

**BACKGROUND**

Reference is made to recent conversations between representatives of the parties concerning "Development of Biotech products", the parties would like to continue such discussions and anticipate that disclosure of proprietary information by Srikem may be necessary for the purpose of developing Biotech products by collaborative technology development activities, specifically for commercial proposal submissions and, resulting in projects in the area of Biotechnology and natural science produce, including commercial exploitation of such product.

**1.0 DISCLOSURE**

**1.1** Discloser (Srikem) discloses such information only for the purpose stated above and receiver (institute) may only use such information for the stated above. Unless otherwise authorized in writing by Discloser, receiver shall not disclose discloser's information to any third party, nor circulate it within its own organization except to persons with a need to know and shall protect the discloser's information by using the same degree or care, but no less than a reasonable degree of care, as receiver uses to protect its own similar confidential information of like importance. Such persons shall be instructed that such information is proprietary to Discloser and violation of the terms contained herein may attract civil and criminal proceedings against the violator/s in the personal capacity as well. They shall not utilize the information except for the purpose stated above and shall not reproduce or otherwise duplicate any portion of the information without the prior written consent of the Discloser.

**1.2** Receiver shall not be liable for disclosure to any third party of Discloser's information if and to the extent that such information.

**1.2.1** Has been published or was otherwise publicly known when disclosed to Receiver.

**1.2.2** Was lawfully in Receiver's possession, free of any obligation of confidence when disclosed to Receiver:

**1.2.3** Is or becomes a matter of public knowledge through no fault of the Receiver.

**1.2.4** Was rightfully communicated by a third party to Receiver free of any obligation of confidence after Discloser's information:






### 3.0 MISCELLANEOUS TERMS

3.1 This Agreement shall not be assigned by either party.

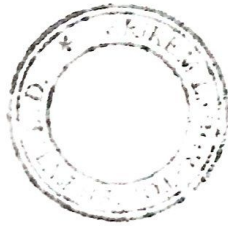
3.2 No license to manufacture, sell or use, or other authority of any kind under any **intellectual property** right including, but not limited to, any trademark, patent or copyright, shall be implied or granted by this Agreement or by conveying of information hereunder all information shall remain the property of the Discloser.

3.3 This Agreement shall be governed by and construed under the laws of the state of Karnataka, an integral part of India. Venue for any claim arising under this agreement shall be under the jurisdiction of city civil courts of Bangalore, Karnataka state.


3.4 Each party designates in writing the following employee(s) to receive all information exchanged pursuant to this agreement. Any change of individual(s) shall be communicated to the other party in writing:

  
For : Srikem Laboratories Pvt. Ltd  
Name: Srinivasan S  
Position: Managing Director  
Email: [srinivasan@srikem.com](mailto:srinivasan@srikem.com)

Address: Plot No. 17/24, MIDC,  
Taloja, Navi Mumbai,  
Maharashtra 410208  
Phone: 022 6516 7208



For: SMVIT  
Name: Prof. Rakesh S G  
Position: Principal  
Email: [principal@sirmvit.edu](mailto:principal@sirmvit.edu)

  
6/01/2013

Address: Sir MVIT: Krishnadevaraya nagar  
Via Yelahanka, Hunasmaranahalli  
Bengaluru -562157  
Phone: 28467248

PRINCIPAL  
S R M. VISVESVARAYA INSTITUTE OF TECHNOLOGY  
Krishnadevarayanagar, Hunasmaranahalli,  
International Airport Road, BANGALORE-562 157



This agreement is intended to provide only for the handling and protection of information. It shall not be construed as a teaming, joint venture, Partnership, or other similar arrangement. Specifically, this agreement shall not be construed in any manner to be an obligation to enter into a contract, nor shall it result in any claim for reimbursement of costs.

Neither party makes any representations or warranty regarding the accuracy, completeness or freedom from defects of the information disclosed or with respect to infringement of any rights, including intellectual property rights of others. A discloser shall have no liability to a receiver for any damages of whatever nature arising from a receiver's use of or reliance on information disclosed hereunder.


This agreement contains the entire agreement, and supersedes all prior and collateral communications and agreements of the parties with respect to the protection of either party's information disclosed to the other. No change or addition to any provision of this agreement shall be binding except by a written amendment signed by both parties.

Each party to this agreement represents that he/she/it possesses the legal authority to enter into this agreement and that it has taken all actions required by its procedures, bylaws, and/or applicable law to exercise that authority, and to lawfully authorize its undersigned signatory to execute this agreement and to bind the party to its terms. The person(s) executing this agreement behalf of a party represents that such person(s) have full authorization to execute this agreement.

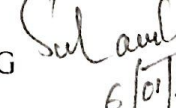
In the event that any provision of this agreement is held unenforceable for any reason, the remaining provisions of this agreement shall remain in full force and effect.

#### 4.0 NOTICES

- 4.1 All notices to parties under this agreement shall be in writing and sent to the names and addresses stated below. Either party to the agreement may change such name and address by notice to the other in accordance herewith and any such change shall take effect immediately upon receipt of such notice

  
For : Srikem Laboratories Pvt. Ltd  
Name: Srinivasan S  
Position: Managing Director  
Email: [srinivasan@srikem.com](mailto:srinivasan@srikem.com)

Address: Plot No. 17/24, MIDC,  
Taloja, Navi Mumbai,  
Maharashtra 410208  
Phone: 022 6516 7208

  
For: SMVIT  
Name: Prof. Rakesh S G  
Position: Principal  
Email: [principal@sirmvit.edu](mailto:principal@sirmvit.edu)

Address: Sir MVIT: Krishnadevaraya nagar  
Via Yelahanka, Hunasmaranahalli  
Bengaluru -562157  
Phone: 28467248



PRINCIPAL  
SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY  
Krishnadevarayanagar, Hunasmaranahalli,  
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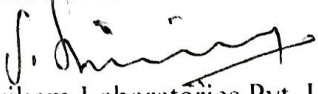
## NON-USE OF NAMES

5.1 Neither party shall use the names neither of the other party nor of any of neither its employees of components, nor any adaptation there or, in any advertising, promotional or sales literature without the prior written consent obtained from the other party, as applicable in each case.

## 6.0 WAIVER

6.1 No delay or failure to enforce any provision of this agreement shall constitute a waiver or limitation of rights enforceable under this agreement.

IN WITNESS WHEREOF, the parties have caused this agreement to be executed by their authorized representative.

  
For : Srikem Laboratories Pvt. Ltd  
Name: Srinivasan S  
Position: Managing Director  
Email: [srinivasan@srikem.com](mailto:srinivasan@srikem.com)

  
For: SMVIT  
Name: Prof. Rakesh S G  
Position: Principal  
Email: [principal@sirmvit.edu](mailto:principal@sirmvit.edu)

Address: Plot No. 17/24, MIDC,  
Taloja, Navi Mumbai,  
Maharashtra 410208  
Phone: 022 6516 7208

Address: Sir MVIT: Krishnadevaraya nagar  
Via Yelahanka, Hunsamaranahalli  
Bengaluru -562157  
Phone: 28467248



PRINCIPAL  
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY  
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International Airport Road, BANGALORE-562157




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Position: Managing Director  
Email: [srinivasan@srikem.com](mailto:srinivasan@srikem.com)

Address: Plot No. 17/24, MIDC,  
Taloja, Navi Mumbai,  
Maharashtra-410208  
Phone: 022 6516 7208



  
For: SMVIT  
Name: Prof. Rakesh S G  
Position: Principal  
Email: [principal@sirmvit.edu](mailto:principal@sirmvit.edu)

Address: Sir MVIT: Krishnadevaraya nagar  
Via Yelahanka, Hunasmaranahalli  
Bengaluru -562157  
Phone: 28467248

PRINCIPAL  
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY  
Krishnadevarayanagar, Hunsamaranahalli,  
on National Highway Road, BANGALORE-562 157

# SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Krishnadevarayanagar, Hunasamaranahalli, International Airport Road, Bangalore - 562 157.

(Affiliated to Visvesvaraya Technological University, Recognised by AICTE & Accredited by National Board of Accreditation, New Delhi. An ISO 9001 : 2008 Certified Institution)

Ph.: 080 - 2846 7248 / 2847 7024 / 25 / 26 Fax : 080-2846 7081

E-mail : principal@sirmvit.edu, sirmvitbgl@gmail.com, Web : www.sirmvit.edu



## MEMORANDUM OF UNDERSTANDING (MOU)

This Memorandum of Understanding (MOU) is made and entered on 02/12/2019 between

1. **Sir M. Visvesvaraya Institute of Technology, Bengaluru** under Sri Krishnadevaraya Educational Trust, affiliated to Visvesvaraya Technological University, Belagavi, approved by AICTE New Delhi & Govt of Karnataka an entity of incorporated in the year 1986 under the laws of India and having its principal place of activity at Bengaluru, India, represented by its PRINCIPAL.

And

2. **Kundur Constructions Pvt. Ltd, Bengaluru** incorporated as a company under the Companies Act 1969 with Registered and Corporate office at G03, Kundur Park, Jakkur, Amruthalli Main Road, Jakkur, Bengaluru – 560064, India, represented by its Sr. Executive Mr.Rakshit K B.

### WHEREAS

- A. **Sir M. Visvesvaraya Institute of Technology, Bengaluru** is a specialist in providing value-added, holistic Engineering education to students at affordable costs, in conducive academic ambience, leading to Personality development and intellectual growth.
- B. **Kundur Constructions Pvt. Ltd., Bengaluru**, incorporated in 2005, has successfully completed more than 120 projects. Their core competence is in Industrial Buildings, Commercial Buildings & Educational Institutions. They are growing consistently at 20% YOY and have projects all over state of Karnataka and few parts of TamilNadu.

### DELIVERABLES

By signing this MOU by Sir M.Visvesvaraya Institute of Technology, Bengaluru and **Kundur Constructions Pvt. Ltd., Bengaluru**, agrees to work jointly in the following areas:

1. To provide Internship for the students
2. To organize industrial visits for students
3. Assist our department students in Placements
4. Collaborative Research & Development
5. Skill Development

Above activities are carried out with mutual acceptance and within the rules and regulations of the participating institutes.



## **PRICES AND PAYMENTS:**

By signing this MOU, Sir M. Visvesvaraya Institute of Technology, Bengaluru, need not make any payments to Kundur Constructions Pvt. Ltd., Bengaluru or vice-versa.

However, the Training and Workshop program are free of charge. Kundur Constructions Pvt. Ltd., Bengaluru and Sir M. Visvesvaraya Institute of Technology, Bengaluru, will mutually decide on the fees to be paid by the candidate at the time of registration for the programs.

## **TERMS AND CONDITIONS:**

1. If the training is held at the premises of **Kundur Constructions Pvt. Ltd.**, then the Candidates have to make their own arrangements for food, accommodation and travel.
2. If the training/workshop is held at the premises of Sir M. Visvesvaraya Institute of Technology, Bengaluru, then Sir M. Visvesvaraya Institute of Technology, Bengaluru, will take care of the Local hospitality for maximum TWO resource persons deputed from **Kundur Constructions Pvt. Ltd.** from the fees collected for the Workshop, if any.
3. Jointly **Kundur Constructions Pvt. Ltd.** and Sir M. Visvesvaraya Institute of Technology, Bengaluru, will issue certificate to all the participants at the end of the programme.
4. There will be no financial liability to "SIRMVIT" or to "the Company" in this exchange programme.

## **TERMS OF AGREEMENT AND TERMINATION.**

1. This MOU shall come in to effect from the date of signature, and shall remain in force for a period of THREE years. The same can be renewed on mutual agreement by both the parties, if required.
2. Each party shall have the right to terminate this MOU upon 30 days prior written notice if the other party is in breach of any material obligation under this MOU.

## **MISCELLANEOUS**

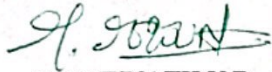
Any notice given by one party to the other shall be deemed properly given if specifically acknowledged by the receiving party in writing or when delivered to the recipient by hand, registered mail during normal business hours to the following address:

**A. Dr. MANJUNATH V R**  
Principal,  
Sir.MVIT,  
Bengaluru-562157.

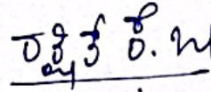
**B. Mr. RAKSHIT K B**  
Sr. Executive  
G03, Kundur Park,  
Jakkur Amruthalli Main Road,  
Jakkur, Bengaluru – 560064,



IN WITNESS WHEREOF, each of Sir M. Visvesvaraya Institute of Technology, Bengaluru and Kundur Constructions Pvt. Ltd, Bengaluru has caused this MOU to be signed and delivered by its duly authorized representative.



**Dr. MANJUNATH V R**  
Principal,  
Sir M. Visvesvaraya  
Institute of Technology, Hunsamamahalli,  
Bengaluru-562157

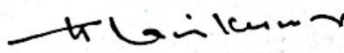


**Mr. RAKSHITH K B**  
Sr. Executive  
G03, Kundur Park,  
Jakkur, Amruthalli  
Main Road, Jakkur,  
Bengaluru - 560064.

Date: 02/12/19  
Place: Bangalore

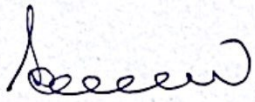
Date: 02/12/19  
Place: B'lore

Witness 1:




(Dr. Ravi Kumar H)

Witness 1:



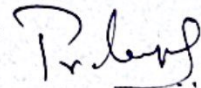
(Shivasana S)

Witness 2:



(KVR PRASAD)

Witness 2:



(Pradeepa S)



# SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Krishnadevarayanagar, Hunasamaranahalli, International Airport Road, Bangalore - 562 157.

(Affiliated to Visvesvaraya Technological University, Recognised by AICTE & Accredited by National Board of Accreditation, New Delhi. An ISO 9001 : 2008 Certified Institution)

Ph.: 080 - 2846 7248 / 2847 7024 / 25 / 26 Fax : 080-2846 7081

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And

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### WHEREAS

- A. **Sir M. Visvesvaraya Institute of Technology, Bengaluru** is a specialist in providing value-added, holistic Engineering education to students at affordable costs, in conducive academic ambience, leading to Personality development and intellectual growth.
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### DELIVERABLES

By signing this MOU by Sir M.Visvesvaraya Institute of Technology, Bengaluru and **Kundur Constructions Pvt. Ltd., Bengaluru**, agrees to work jointly in the following areas:

1. To provide Internship for the students
2. To organize industrial visits for students
3. Assist our department students in Placements
4. Collaborative Research & Development
5. Skill Development

Above activities are carried out with mutual acceptance and within the rules and regulations of the participating institutes.



## **PRICES AND PAYMENTS:**

By signing this MOU, Sir M. Visvesvaraya Institute of Technology, Bengaluru, need not make any payments to Kundur Constructions Pvt. Ltd., Bengaluru or vice-versa.

However, the Training and Workshop program are free of charge. Kundur Constructions Pvt. Ltd., Bengaluru and Sir M. Visvesvaraya Institute of Technology, Bengaluru, will mutually decide on the fees to be paid by the candidate at the time of registration for the programs.

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3. Jointly **Kundur Constructions Pvt. Ltd.** and Sir M. Visvesvaraya Institute of Technology, Bengaluru, will issue certificate to all the participants at the end of the programme.
4. There will be no financial liability to "SIRMVIT" or to "the Company" in this exchange programme.

## **TERMS OF AGREEMENT AND TERMINATION.**

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2. Each party shall have the right to terminate this MOU upon 30 days prior written notice if the other party is in breach of any material obligation under this MOU.


## **MISCELLANEOUS**

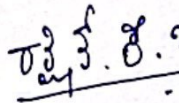
Any notice given by one party to the other shall be deemed properly given if specifically acknowledged by the receiving party in writing or when delivered to the recipient by hand, registered mail during normal business hours to the following address:

**A. Prof. RAKESH S G**  
Principal,  
Sir MVIT,  
Bengaluru-562157.

**B. Mr. RAKSHIT K B**  
Sr. Executive  
G03, Kundur Park,  
Jakkur Amruthalli Main Road,  
Jakkur, Bengaluru – 560064,


IN WITNESS WHEREOF, each of Sir M. Visvesvaraya Institute of Technology, Bengaluru and Kundur Constructions Pvt. Ltd, Bengaluru has caused this MOU to be signed and delivered by its duly authorized representative.

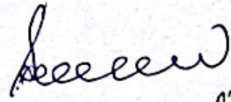
  
14/12/22  
Prof. RAKESH S G  
Principal,  
Sir M. Visvesvaraya  
Institute of Technology, Hunsamamahalli,  
Bengaluru-562157

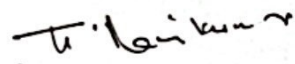
  
19/12/22.  
Mr. RAKSHITH K B  
Sr. Executive  
G03, Kundur Park,  
Jakkur, Amruthalli  
Main Road, Jakkur,  
Bengaluru - 560064.

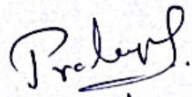
Date: 14-12-22  
Place: Bangalore

Date: 19-12-22  
Place: Bangalore

Witness 1:   
(KYR PRASAD)

Witness 1:   
(Shivanna S)

  
Witness 2: (Dv. Ravikumar)

  
Witness 2: (Pradeepo. S)



## DEPARTMENT OF CIVIL ENGINEERING

### SITE VISIT REPORT

**Site Visit at:: Anthem Bio Science , Harohalli Industrial Area , Bangalore**

**Visit Date: 09-January-2023**

**Faculty namely Associate Professor Dr. Shivanna S, Assistant Professor Pradeepa.S , Tamil Selvi N along with 5<sup>th</sup> Sem Civil Engg. Students.**

**Objective of Visit: Technical exposure of Construction.**

Students of 5<sup>th</sup> sem Civil Engineering SIRMVIT college along with faculty member visited the construction site at **Anthem Bio Science , Harohalli Industrial Area , Bangalore** on 9th January 2023. Fifty five students along with the faculty reached the around 11.30 am. Our team was welcomed by the site in charge Mr. Naveen and team . Later Mr. Rakshit B G.M of Kundur Construction company Pvt.Ltd gave a overview of the project.

First a technical Explanation by site Supervisor was given, later he explained the construction of various stages right from safety measures , foundation to erection of various structural elements. He also shared some knowledge about their experience regarding to the construction of various buildings of Pharmaceutical industries.

Safety measures in the site was explained first and then we were guided to see the foundation of the pillars. Here we were explained with the soil testing and the selection of the footing the steel placement . Later on we moved to the site where shuttering of slab, beams were under progress, the solvent segment.

The operation of the crane , i.e how the elements are placed were exhibited by the engineer. The importance of the design was also highlighted. After this session we had a lunch break and then moved towards the construction of storage tanks of waste effluents and circular water tanks.

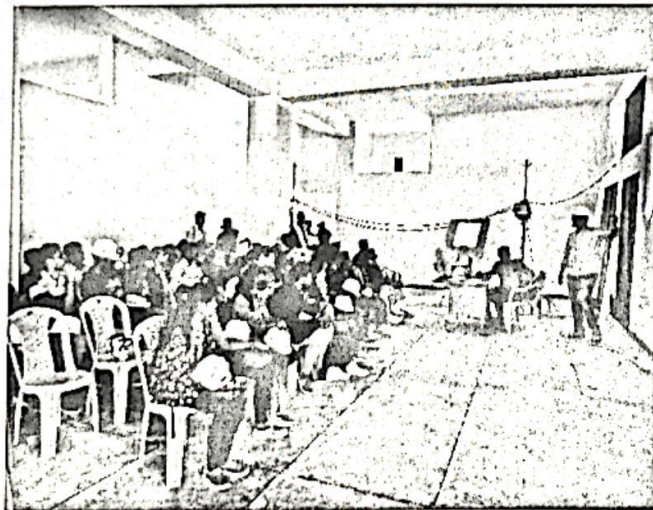
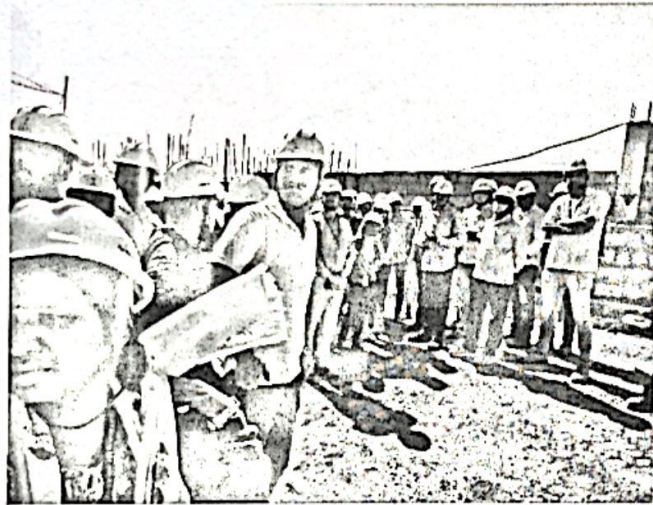
The site visit concluded with the presentation of various stages of the project ,from the ground work till date by Mr.Naveen. This was followed by an interactive session where students clarified their



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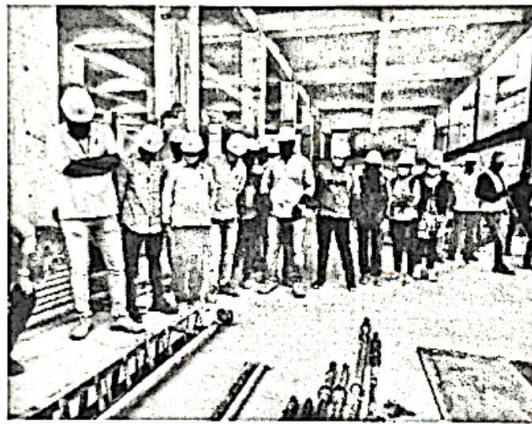
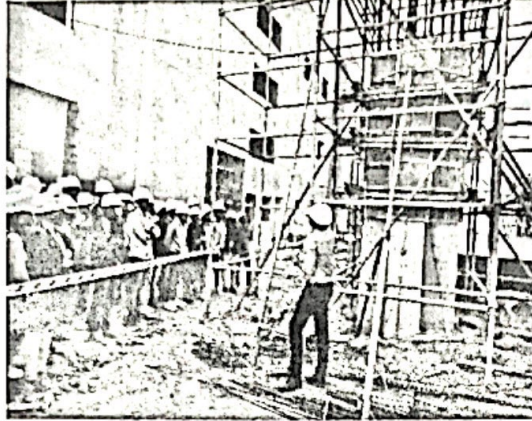
doubts about the material selection, safety measures, advanced construction process . going .we took this opportunity to connect the theoretical knowledge with the industry.

Around 5pm staff and students whole heartedly thanked the engineers of Kundur construction company for explaining and showing us the various sections. Students expressed that such site visits enhance their interest in civil engineering.





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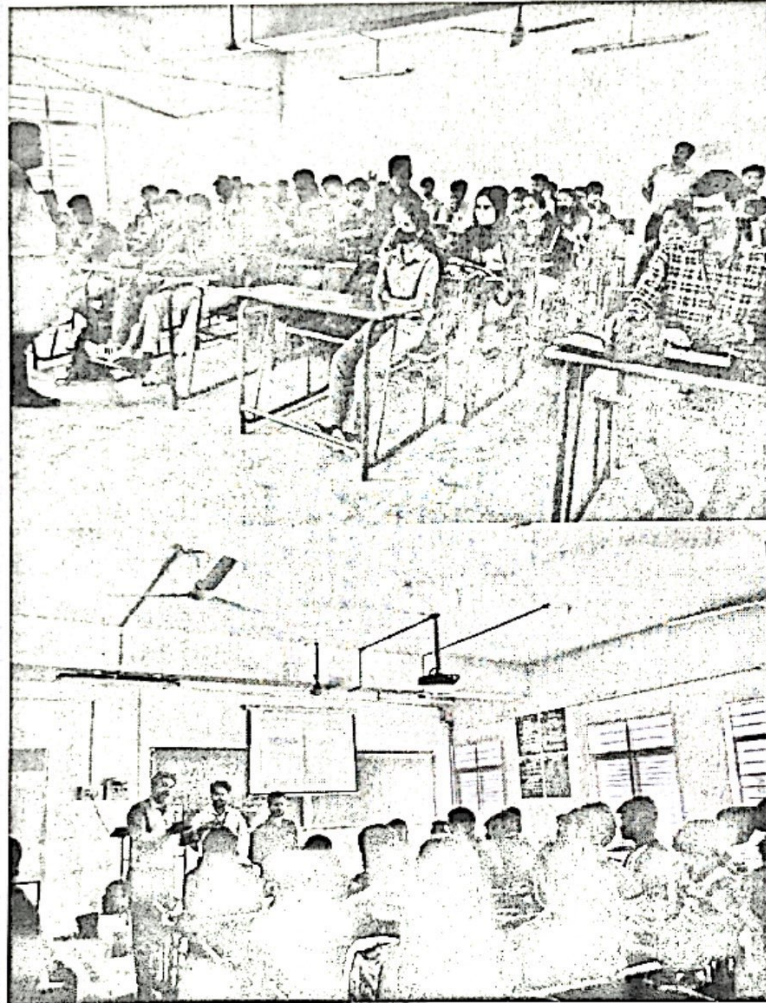


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## DEPARTMENT OF CIVIL ENGINEERING

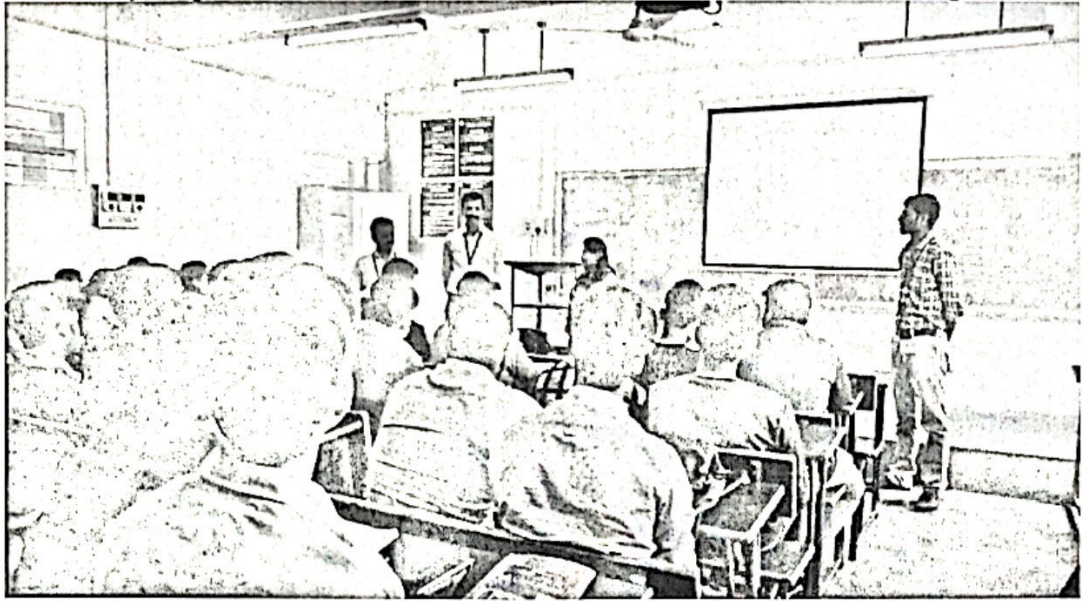
### Inculcation of knowledge culture

**Objective Of The Program: Technical Exposure Of Construction Management.**





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

**SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY, BANGALORE**  
**DEPARTMENT OF CIVIL ENGINEERING**  
**SITE VIST FEED BACK REPORT 09 JANUARY 2023**

**PROGRAM**                      **SITE VISIT**  
**VENUE**                         **ANTHEM BIO SCIENCE, HAROHALLI INDUSTRIAL AREA**  
**PARTICIPANTS**             **5<sup>TH</sup> SEMESTER CIVIL ENGINEERING**

Please Respond below with 1, 2, 3 Grade Points

- 3 - Strong
- 2 - Moderate
- 1 - Weak

| OUTCOMES   |  |
|--|--|
| After attending this Site visit, students will be able to: |  |
| 1  | Student will be able to apply the knowledge on the quality, safety and human values for the effective construction management process. |
| 2  | Student will be able to apply the concept of entrepreneurship and its role in infrastructural development.                             |

| Sl.No. | USN        | Students Name  | I1 | I2 | Sign  |
|--------|------------|----------------|----|----|---|
| 1      | 1MV20CV001 | ABHISHEK       | 3  | 3  |  |
| 2      | 1MV20CV002 | ADARSH         | 3  | 3  |  |
| 3      | 1MV20CV003 | BHARGAV P      | 3  | 3  | Bhargav   |
| 4      | 1MV20CV004 | BHAVAN H GOWDA | 3  | 3  | Bhavan  |
| 5      | 1MV20CV005 | CHAITHRA VN    | 3  | 3  | chaithra.vn   |
| 6      | 1MV20CV006 | DARSHAN C N    | 3  | 3  | Darshan CN  |
| 7      | 1MV20CV007 | DHEERAJ C      | 3  | 3  |  |
| 8      | 1MV20CV008 | FATIMA BACHA   | 3  | 3  | Fatima  |
| 9      | 1MV20CV009 | HEMANTH DEVANG | 3  | 3  | Hemant h  |
| 10     | 1MV20CV010 | HEMANTH HJ     | 3  | 3  | Hemant h HJ   |
| 11     | 1MV20CV011 | JAGRUTHI K B   | 3  | 3  | Jagruthi  |
| 12     | 1MV20CV012 | JAYASHREE N    | 3  | 3  | Jayashree N   |
| 13     | 1MV20CV013 | JYOTHI         | 3  | 3  |  |
| 14     | 1MV20CV014 | MANJUNATH M    | 3  | 3  | manjunath.m   |

|    |            |                    |   |   |               |
|----|------------|--------------------|---|---|---------------|
| 15 | 1MV20CV015 | MARUTHI RAJESH     | 3 | 3 | Maruthi       |
| 16 | 1MV20CV016 | MEGHANA. V.R       | 3 | 3 | Meghana       |
| 17 | 1MV20CV017 | MOHAMMED AAZIM     | 3 | 3 | Aazim.        |
| 18 | 1MV20CV018 | NANDITHA N         | 3 | 3 | Nandithan     |
| 19 | 1MV20CV019 | P KIRAN            | 3 | 3 | P. Kiran      |
| 20 | 1MV20CV020 | N.PAVITRA          | 3 | 3 | N. Pavitra    |
| 21 | 1MV20CV021 | PRAJWAL T          | 3 | 3 | Prajwal       |
| 22 | 1MV20CV022 | PRASHANTH VV       | 3 | 3 | Prashanth     |
| 23 | 1MV20CV023 | R RAM ROHITH       | 3 | 3 | R. Ram Rohith |
| 24 | 1MV20CV024 | S PRUTHVI          | 3 | 3 | S. Pruthvi    |
| 25 | 1MV20CV025 | SATHVIK A          | 3 | 3 | Sathvik       |
| 26 | 1MV20CV026 | SHREERAKSHA S NAIK | 3 | 3 | Shreeraksha   |
| 27 | 1MV20CV027 | SUMEET CHALAK      | 3 | 3 | Sumet         |
| 28 | 1MV20CV028 | VIJAY TEJU RG      | 3 | 3 | Vijay Teju    |
| 29 | 1MV20CV030 | YATISH KUMAR       | 3 | 3 | Yatish        |
| 30 | 1MV21CV400 | ABDUL KALAM S      | 3 | 3 | Abdul Kalam   |
| 31 | 1MV21CV401 | ADARSHA M V        | 3 | 3 | Adarsha       |
| 32 | 1MV21CV402 | AJAY G NAIK        | 3 | 3 | Ajay          |
| 33 | 1MV21CV403 | AMZAD PASHA C      | 3 | 3 | Amzad Pasha   |
| 34 | 1MV21CV404 | APOORVA S          | 3 | 3 | Apoorva       |
| 35 | 1MV21CV405 | DARSHAN A N        | 3 | 3 | Darshan       |
| 36 | 1MV21CV406 | GAGAN Y K          | 3 | 3 | Gagan         |
| 37 | 1MV21CV407 | GANESH P N         | 3 | 3 | Ganesh        |
| 38 | 1MV21CV408 | GOWTHAM B V        | 3 | 3 | Gowtham       |
| 39 | 1MV21CV409 | HARSHITH C U       | 3 | 3 | Harshith      |
| 40 | 1MV21CV410 | JHANSY P N         | 3 | 3 | Jhansy P.N.   |
| 41 | 1MV21CV411 | KARTHIK T          | 3 | 3 | Karthik       |
| 42 | 1MV21CV412 | KIRAN YADAV        | 3 | 3 | Kiran Yadav   |
| 43 | 1MV21CV413 | MAHALAKSHMI C      | 3 | 3 | Mahalakshmi   |



|    |            |                           |   |   |                |
|----|------------|---------------------------|---|---|----------------|
| 44 | 1MV21CV414 | MANJUNATHA G U            | 3 | 3 | Manjunatha G U |
| 45 | 1MV21CV415 | MANOHAR M                 | 3 | 3 | manohar        |
| 46 | 1MV21CV416 | NANDINI J G               | 3 | 3 | Nandini.J.G    |
| 47 | 1MV21CV417 | OMKAR<br>GURUSHARANAPPA   | 3 | 3 | omkar          |
| 48 | 1MV21CV418 | PAVAN S S                 | 3 | 3 | Pavan SS       |
| 49 | 1MV21CV419 | PRAJWAL M C               | 3 | 3 | Prajwal        |
| 50 | 1MV21CV420 | PRASHANT                  | 3 | 3 | Prashant       |
| 51 | 1MV21CV421 | PRIYANKA U                | 3 | 3 | Priyanka U     |
| 52 | 1MV21CV422 | RAKESH GOWDA C S          | 3 | 3 | Rakesh         |
| 53 | 1MV21CV423 | RIFATH MOHAMMED<br>SHAIKH | 3 | 3 | Rifath         |
| 44 | 1MV21CV424 | SHAILESH V                | 3 | 3 | Shailesh       |
| 55 | 1MV21CV425 | SYED SHAAHID D            | 3 | 3 | Syed Shahid    |
| 56 | 1MV21CV426 | TARUN                     | 3 | 3 | Tarun          |
| 57 | 1MV21CV427 | VARUN KUMAR I             | 3 | 3 | Varun I.       |
| 58 | 1MV21CV428 | VISHVARAJ                 | 3 | 3 | Vishvaraj      |

COURSE COORDINATOR

Name: N TAMIL SELVI N

Signature: N.T.S.

T. Lakshminarayanan  
MODULE COORDINATOR

T. Lakshminarayanan  
HOD, CIVIL  
HEAD  
Dept. of Civil Engg.  
MVIT, Bangalore-562 157





Sir M Visvesvaraya Institute of Technology  
Hunasamaranahalli, Bengaluru-562157



Govt. Tool Room & Training Centre  
Rajajinagar Industrial Estate, Bengaluru - 560 010

## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MOU) has been entered on **02.12.2022**

By and Between

**Sir M Visvesvaraya Institute of Technology** having its campus at Hunasamaranahalli, Bengaluru-562157 and represented by **Prof. Rakesh S.G, Principal**.

AND

**Government Tool Room & Training Centre, Bengaluru** having its campus at Rajajinagar Industrial Estate, Bengaluru - 560 010. (Hereafter referred as "GTTC") and represented by **Managing Director-GTTC**.

The purpose of this agreement is with reference to defining the areas of co-operation benefiting both the organizations & agreeing to offer academic interface programs as detailed below:

1. To get an insight in to the requirement of industries and to develop relevant talents, to enable students to meet the industrial challenges.
2. To provide required Industrial Training and Internships, in order to build confidence and facilitate smooth transitions of students from academic to working environment.
3. To plan regular Industrial visits to make students understand the technical advancements in emerging domains.
4. To conduct joint seminars, workshops and short-term Training programs to regularly update the knowledge of faculty and students.
5. To organize joint meetings of industrial professionals & faculty members, to discuss possible implementation of curricular aspects in line with industry requirements.
6. To facilitate the resources available at either ends, to carry out project activities to both students and faculty members.
7. To work towards offering placement assistance to students, in core and niche areas.



Sir M Visvesvaraya Institute of Technology  
Hunasamaranahalli, Bengaluru-562157



Govt.Tool Room & Training Centre  
Rajajinagar Industrial Estate, Bengaluru - 560 010

To utilize the expertise of faculty members and Industry Professionals from both the organizations, apply for setting up of Centers of Excellence (COE) in leading edge domains.

#### **TERMS AND CONDITIONS:**

1. This agreement of MOU may be executed by both the parties each of which shall be deemed as original and together shall constitute one and the same document.
2. The parties shall keep each other informed and shall share all information that may be relevant to secure additional opportunities of interaction for mutual benefit.
3. There shall not be any issues binding legally and financially whatsoever, between Sir M Visvesvaraya Institute of Technology, Hunasamaranahalli, Bengaluru-562157 and Government Tool Room and Training Centre, Bengaluru.
4. The parties shall take all necessary steps to protect the confidentiality of technical know-how, resource materials or proprietary information, which either party shall use only for the purposes highlighted in the agreement.
5. The parties would mutually decide & agree to fix the registration/training fees to be collected from each candidate (against receipt issued by GTTC) for the training programs / workshops conceived by both parties, as per the norms of both institutes.
6. Award of certificates would be to only those who register and successfully complete the training programs/workshops.
7. Press note, public announcements or any other disclosure concerning this agreement shall be made available at relevant platforms, only after mutual consent.
8. If any dispute arises, it shall be resolved mutually by both the parties. However, the decision of Managing Director of GTTC and Prof. Rakesh S.G, the Principal of Sir M Visvesvaraya Institute of Technology, Hunasamaranahalli, Bengaluru-562157 as agreed upon will be final & binding.





Sir M Visvesvaraya Institute of Technology  
Hunasamaranahalli, Bengaluru-562157



Govt. Tool Room & Training Centre  
Rajajinagar Industrial Estate, Bengaluru - 560 010

**VALIDITY:**

This agreement of co-operation is valid for duration of five years (5 years) with effect from the date of signing of the agreement of co-operation and may be renewed with mutual consent thereafter. Either party can cancel or terminate this agreement unilaterally without assigning any reason by giving an advance notice of 30 days to the other party.

The Memorandum of Understanding shall come into effect from **02.12.2022**.

In witness where the parties have set their hands here to on the day & year written above under their representative seal of office.

For: **Sir M Visvesvaraya Institute of Technology Training**

For: **Government Tool Room & Centre**

2/12/2022

Name: **Prof. Rakesh S.G.**

Name: **Sri.H.Raghavendra**

Designation: **Principal**

Designation: **MD - GTTC**

Date: **02.12.2022**

Date: **02/12/2022**

**PRINCIPAL**

**Managing Director  
Government Tool Room & Training Centre  
Rajajinagar Industrial Estate,  
Bangalore-560 010**

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY  
Krishnadevarayanagar, Hunasamaranahalli,  
International Airport Road, BANGALORE-562 157

**Witness (Name & Designation)**

**Witness: (Name & Designation)**

1 02/12/22  
(Dr. Supriya V.G.)  
(Prof. ECE, SMVIT)

1 (Dr. N. Ramesha)  
Dy. General Manager  
GTTC, B'lore

2 02/12/2022

2

(Prof. V. SHANTHA)  
Dept. of Mech. Engrg.  
Sir MVIT, B'lore.

ASHOK WALIKAR  
Nodal Officer - COO  
GTTC  
B'lore.



# Sir M. Visvesvaraya Institute of Technology

Bengaluru-562157

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING  
PG & Research Centre  
Centre for Industry Institute Interaction – CIII

## REPORT

An Industrial Visit to the Government Tool room & Training Centre (GTTC), Bengaluru has been arranged on 01-Sept-2021 for 4<sup>th</sup> Semester Students under the banner of Centre for Industry Institute Interaction – Sir MVIT.

The main aim of this visit is to make the students get introduced to the industry standards and get the exposure to the real time scenario of how practically the issues will be resolved.

The following faculty members accompanied the students.

Dr Supriya VG – Professor, Dept of ECE

Mr Phanindar Ravi P – Assistant Professor, Dept of ECE

Mr. Chandrashekar S – Assistant Professor, Dept of ECE.

The team reached the campus of GTTC by 11:00 AM and were received by Mr Srinivas Gopal, Senior Manager –Siemens Centre of Excellence at DesignTech, GTTC. The students were introduced to various facilities available and thorough insight was given on various courses and skill training programs available at GTTC.

Then the students were taken to various lab facilities and were made them feel the industry standards. The following laboratory facilities were visited.

1. Automation, Process Instrumentation Lab, COE – Siemens Centre of Excellence.
2. Product design and validation Lab.
3. Mechatronics Lab.
4. 3-D Printing Facility

Then the students were guided to the Mechatronics Facility and field visit of manufacturing workshop. The students were taken through the entire process of how the requirements were converted to the software version and then to the manufacturing done on the CNC lathes. They were also demonstrated on how a satellite part would be manufactured on the machinery available. Various parts that were developed at the centre were shown to the students.

The visit ended with a thank note to all the organizers at GTTC center by 2:00 PM

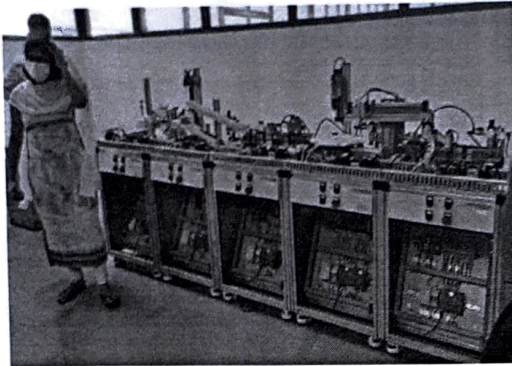




GTTC COE Rajajinagar



Orientation session by Shri Srinivasa Gopal



Visit to Automation, Process Instrumentation Lab, COE – Siemens Centre of Excellence

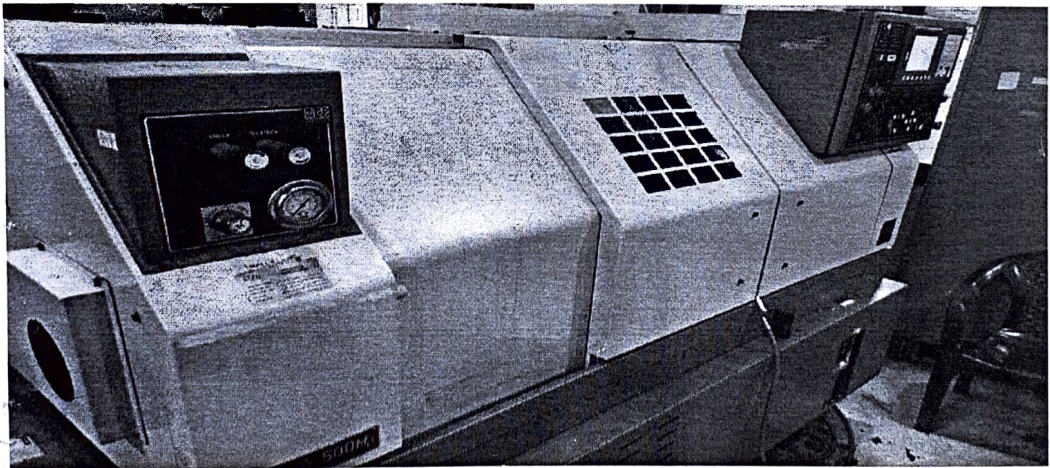
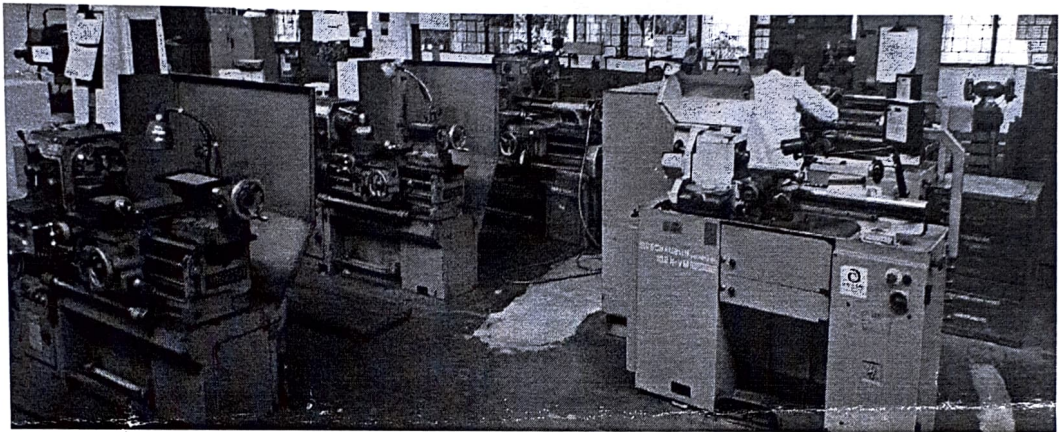


The team of students along with the faculty members and GTTC Incharges.

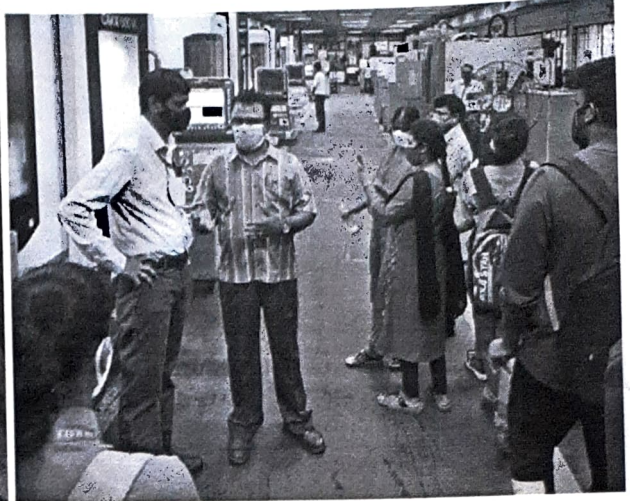




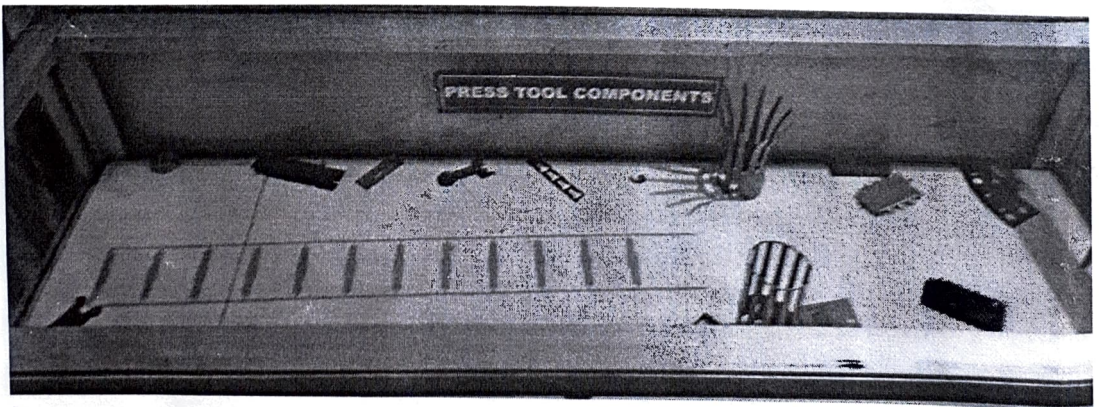
3-D Printing Lab and Components developed there







Visit to product Design and Validation Lab







The Team of students and faculty along with Mechatronics facility incharges at GTTC



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Government of Karnataka

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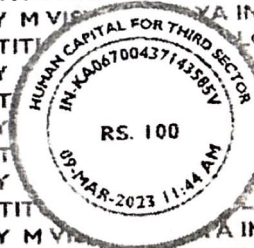
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**MEMORANDUM OF UNDERSTANDING**

This Memorandum of Understanding (MoU) is entered into at Bangalore on this 10<sup>th</sup> March, 2023

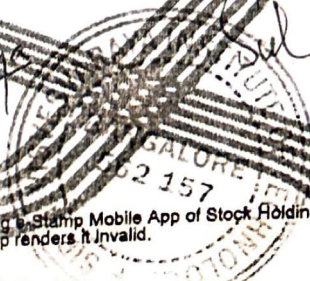
By and Between

Sir M Visvesvaraya Institute of Technology having its operational office at Krishnadevaraya Nagar, Hunsamaranahalli, International Airport Road, Bangalore - 562157. (hereinafter

*[Handwritten signatures]*

**Statutory Alert:**

- 1. The authenticity of this Stamp certificate should be verified at 'www.shcilestamp.com' or using e-Stamp Mobile App of Stock Holding Corporation of India.
- Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
- 2. The onus of checking the legitimacy is on the users of the certificate.
- 3. In case of any discrepancy please inform the Competent Authority.





- 1.1. The HCTS has agreed to enrol female engineering students, in its KATALYST programme, in the Academic year **2022-2023, 2023-2024, 2024-2025 and 2025-2026** subject to its selection criteria and verification process as laid out in **Annexure A**, and to be selected in terms of the criteria laid down in this MOU and support them during the tenure of their respective courses.
- 1.2. The Institution shall facilitate **KATALYST** to select engineering female students for the academic years **2022-2023, 2023-2024, 2024-2025 and 2025-2026** (hereinafter referred to as the "**Katalysts**") and provide a list to **KATALYST** with background data of students as required for selection and verification.

## 2. DURATION

- 2.1. This MOU shall remain valid initially for **four** years from the date of execution of this MOU unless terminated in accordance with the provisions of this MOU. The Parties to this MOU may renew this MOU on their mutual agreement.
- 2.2. The Parties agree that after the expiration and termination of this MOU, each Party's obligation under clause 5, shall survive till the end of the academic session.

## 3. OBLIGATIONS OF THE PARTIES

The roles and responsibilities of the parties are as under: -

- 3.1. The roles and responsibilities of HCTS in its **KATALYST** programme: -
- 3.1.1. To share **KATALYST** programme details with the **Institution**, conduct orientation with the target group and share the application portal link available to students.
- 3.1.2. To nominate a contact person for this Programme and inform the **Institution** in case of any change thereof.
- 3.1.3. To conduct an overall of 600 hours of training over four years, allot a mentor after thorough background check and ensure there is interaction, help with internships, arrange field visits to companies and factories and pay financial incentive based on Katalyst scorecard. In addition, **KATALYST** will provide Laptop at a subsidized cost to the **Katalysts** subject to their attendance as laid out in the laptop scheme and medical insurance to each Katalyst student and her mother.
- 3.1.4. To review the performance of the **Katalysts** on semester basis and approach the institution in case of any issue.





- 3.1.5. To share **KATALYST** training calendar periodically and seek permission for infrastructure for training whenever required, at least one week in advance.
- 3.1.6. To update the Institution about student's attendance and performance in the program

### 3.2. **The roles and responsibilities of the Institution**

- 3.2.1. To appoint a coordinator to liaise with **KATALYST** Bangalore centre manager
- 3.2.2. To allow posters in the Institution and hostel premises during college admission.
- 3.2.3. To share the list of eligible female students and their background information with **KATALYST** team for application, verification and enrolment
- 3.2.4. To share Institution's academic calendar
- 3.2.5. The Parties agree that they shall abide by the roles and responsibilities defined above.

## 4. **FINANCIAL IMPLICATIONS**

- 4.1 An average payout to Katalysts is Rs.21,000 per annum(Twenty-one thousand only). This is paid in two instalments, over two semesters. The amount shall be based on the Katalyst scorecard, which would consider their participation and attendance in Katalyst trainings and events, their academic performance and leadership initiatives. In addition, HCTS in its **KATALYST** programme will provide Laptop at a subsidized cost to the Katalyst students subject to their attendance as laid out in the laptop scheme and medical insurance to each Katalyst student and her mother.
- 4.2 The financial pay-out may be used to cover Katalysts tuition, books, mess, hostel expenses or laptop co-payment and any other expenses towards education.
- 4.3 The University i.e. Institution shall not have any financial obligations, whatsoever in the execution of the activities under MOU.

## 5. **TERMINATION**

This MOU may be terminated under the following conditions: -

- 5.1. On the expiry of this MOU
- 5.2. By either Party by giving a written notice of termination of 90 days prior to the end of any scholastic year, to the other Partner. The termination shall be effective only at the end of the ongoing academic year.
- 5.3. By mutual agreement in writing between the Parties.

-4-

*Hijaya*

*Sul*



## 6. GOVERNING LAW AND DISPUTES

All disputes and differences arising between the parties hereto, out of or regarding interpretation of this MOU shall be first tried to be resolved across the table. If still the same remains unresolved, it shall be referred to arbitration under the provisions of Arbitration & Conciliation Act, 1996 or any statutory amendments/modification thereof for the time being in force. The arbitration proceeding shall be held at appropriate location in Delhi by a Sole Arbitrator to be appointed by the Institution, whose decision shall be binding on both the parties. The HCTS hereby confirms that it shall have no objection to this appointment.

## 7. MISC TERMS

- 7.1 Institution shall not assign any of its rights, liabilities, or obligations under this MOU, without the prior written consent of the HCTS KATALYST. Likewise, HCTS-KATALYST shall not assign any of the rights liabilities or obligations under this MOU without the prior consent of the Institution.
- 7.2 If any provision of this MOU shall be held to be illegal, invalid or unenforceable, in whole or in part, under any enactment or applicable law, such provision or part shall to that extent be deemed not to form part of this MOU, and the legality and enforceability of the remainder of this MOU shall not be affected.
- 7.3 The waiver of any default or breach under this MOU by any Party shall not constitute a waiver of the right to terminate this MOU for any substantial default of a similar nature or under any other terms and conditions of this MOU.
- 7.4 No modification, alteration or amendment of this MOU or any of its terms or provisions shall be valid or legally binding on the Parties unless made in writing and duly executed by or on behalf of both the Parties.
- 7.5 The Parties agree that nothing in this MOU shall be in any manner interpreted to constitute an agency for and on behalf of any other Party.
- 7.6 All notices, requests, demands or other communication required or permitted to be given under this MoU and the provisions contained herein shall be written in English and shall be deemed to be duly sent by registered post, postage prepaid or courier to the other parties at the address indicated hereinabove or at such order address as the party to whom such notices, request, demands or other

*[Handwritten signature]*





communication is to be given shall have last notified the party giving the same in the manner provided in this clause, but no such change of address shall be deemed to have been given until it is actually received by the party sought to be charged with the knowledge of its contents. Any notice, request, demand or other communication delivered to the party to whom it is addressed as provided in this clause shall be deemed to have been given and received on the day of its receipt at such address

7.7 Nothing herein expressed or implied is intended, nor shall it be construed to confer upon or give to any third party any right, remedy or claim under or by reason of this MOU or any part hereof.

7.8 This MOU, including the attached relevant annexures hereto represent the entire agreement between the parties.

IN WITNESS WHEREOF, the Parties have signed those MoU on the date herein above mentioned.

Human Capital for Third Sector  
(HCTS)

Sir M Visvesvaraya Institute of Technology  
(SMVIT)

By: Vijaya 10/03/2023

Vijaya Rangaswamy  
Senior Manager, Catalyst  
For HCTS

By: Sulank 10/3/2023

Prof Rakesh SG  
Principal, SMVIT



1. Shaline

Witnesses

1. E. K.

2. Stephi

2. Laxshwathi

## Annexure A

### Selection Criteria

- Female students from low-income households (Income upto 5 Lakhs Per Annum)
- Minimum 80% score in Grade 10th & 12th examinations

Applications will be submitted as per its discretion by Katalyst to the verification agency appointed by it, which will do a thorough background and financial verification of the student who has applied to the programme.

*Rajya*

*Sulabh*





भारतीय गैर न्यायिक

एक सौ रुपये

Rs. 100

₹. 100



ONE  
HUNDRED RUPEES

भारत INDIA  
INDIA NON JUDICIAL

श्री. का. च. तमिलनाडु TAMILNADU

- 1 NOV 2022

CS 766067

L & T  
CHS

M. KATLASH CHAND  
STAMP VENDOR-UNIT 12/70/51  
SAIDARPET, CHENNAI-600 017

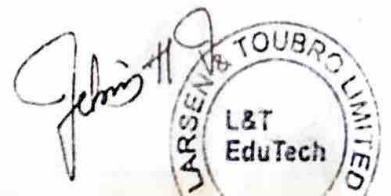
### AGREEMENT

This Agreement is entered into at Bangalore on the 10<sup>th</sup> day of Feb 2023.

Between

L&T EduTech, a business vertical of Larsen & Toubro Limited, a Company organized and validly existing under the laws of India, having a registered office located at L&T House, Narottam Morarji Marg, Ballard Estate, Mumbai - 400001, India and its business vertical L&T EduTech having its office at TCTC 1<sup>st</sup> floor, Mount Poonamallee Road, Manapakkam, Chennai 600089, India hereinafter referred to as "L&T" or First Party, unless it be repugnant to the context or meaning thereof, be deemed to mean and include its successors and permitted assigns, of the FIRST PARTY.

And



**Sir M. Visvesvaraya Institute of Technology** established under Sec \_\_\_\_\_ and affiliated and having its Registered Office at International Airport Road, Hunasamaranahalli, Yelahanka, Sir M Visvesvaraya Inst Rd, Yelahanka, Bengaluru, Karnataka 562157, hereinafter referred to as "Sir MVIT" or "Second Party" unless it be repugnant to the context or meaning thereof, be deemed to mean and include its successors and permitted assigns of the, SECOND PARTY.

L&T and 8 are hereinafter referred to as such or collectively as "the Parties" and individually as "Party".

## WHEREAS


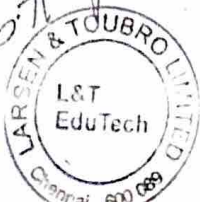
1. L&T is one of the leading engineering conglomerates operating at various parts of the globe providing technology, engineering, construction manufacturing and services including learning and assessment solutions and platforms through its EduTech business unit.
2. L&T EduTech is a new business unit from L&T, which aims to bridge the gap between Industry and Academia. The core objective would be to enhance the employability of students as well as aspiring professionals across various Engineering & Technology sectors. Keeping the focus on employability, L&T is set to launch a series of industry-led application-oriented courses under its product portfolio - L&T CollegeConnect ("CollegeConnect Program").
3. Sir MVIT has already been established as Sir M. Visvesvaraya Institute of Technology, a higher education institution in Bengaluru, Karnataka.
4. L&T will provide its CollegeConnect Program to the students of Sir MVIT.
5. Sir MVIT has accepted L&T's offer and agrees to enrol its students for the CollegeConnect Program.
6. The Parties are desirous of entering into this Agreement to set out their mutual understanding in this regard.

**NOW THESE PRESENTS WITNESSETH AND IT IS HEREBY AGREED BY AND BETWEEN THE PARTIES HERETO AS FOLLOWS:**

### 1. Scope of the Agreement

- 1.1. L&T is developing a solution to bridge the industry-academia gaps in present-day curricula for making it more application oriented, and in-tune with future skills.
- 1.2. Sir MVIT agrees to cooperate and provide the solicited inputs, infrastructure support etc. to L&T.
- 1.3. Sir MVIT and L&T has agreed to provide the CollegeConnect Series to the students of Sir MVIT in phases as set out in Annexure - 1 of this Agreement. The list of courses, unit price etc., is set out in Annexure - 1.
- 1.4. Sir MVIT shall facilitate the enrolment of students to the L&T CollegeConnect Program in such manner as set out in this Agreement.



- 1.5. Sir MVIT shall collect the payments for the CollegeConnect programme from the enrolled students and in turn make the payment to L&T for the courses as indicated in Annexure - 1.
- 1.6. L&T shall deliver the course content online as set out in Annexure - 1.
- 1.7. The Parties shall set up a committee consisting of two members from each Party, who shall monitor the progress under this Agreement on a periodic basis.

## 2. Payment Terms

- a. Sir MVIT shall pay L&T for the CollegeConnect Program offered by L&T for 1,500 Number of Licenses at a unit rate of Rs 6,500 + GST. The detailed payment terms are as set out in in Annexure-1.
- b. Sir MVIT shall pay L&T for the CollegeConnect Program offered by L&T in a manner as set out in Annexure-1.
- c. Sir MVIT will pay the Base Amount fees to L&T as an advance after signing of this Agreement prior to enrolment of students and will pay the balance fees in the manner set out in Annexure-1 of this Agreement
- d. The Invoice shall be raised by L&T. Sir MVIT shall make payment for enrolling students for each semester as indicated in the Terms & Conditions (Annexure-1). The roll-out for the learners shall commence only after receipt of payment for the semester.
- e. Prices of the CollegeConnect Program is excluding any taxes and duties. All the taxes and duties are extra and payable by the Sir MVIT as per the statutory norms and at the rates prevailing from time to time.

## 3. Obligations of Sir MVIT

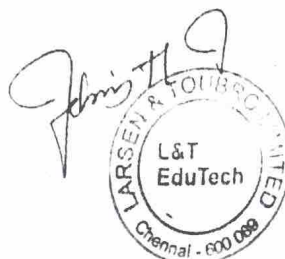
Sir MVIT hereby agrees that it shall:

- a) maintain a complete list of students enrolled in the CollegeConnect Program and their contact information which shall be available for inspection by L&T as and when required. Sir MVIT shall intimate the students regarding the sharing of information with L&T.
- b) promote the CollegeConnect Program to students and to the general public in the manner that Sir MVIT generally promotes its courses. Sir MVIT will promote the CollegeConnect Program according to course descriptions given by L&T, and usage of L&T brand and logo would always be subjected to the proprietary terms and IP rights of L&T.
- c) make payment of CollegeConnect Programme (as per annexure-1) including applicable taxes and duties.

## 4. Obligations of L&T

L&T hereby agrees that it shall:

- a) review and ensure the quality of the course materials for the CollegeConnect Program, provide institutional and academic guidance, evaluation and oversight for the Program;
- b) set standards for student performance and the evaluation of that performance, including student progression and outcomes
- c) provide technical support to all enrolled students of Sir MVIT regarding the online platform through which the courses are offered



## 5. Representation and Warranties

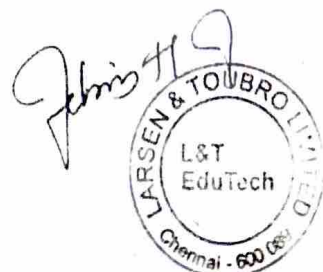
- a. The Parties hereby represent and warrant to each other that:
  - i. entering into and performing of this Agreement does not and will not conflict with any law, governmental rule/regulation or cause a breach of any other agreement to which either of the Parties is a party.
  - ii. it is duly organised and validly existing entity and it has the power and authority to enter into and perform this Agreement and the signatory to this Agreement is duly authorised by it.

## 6. Co-branding & Advertising

- a. Sir MVIT will be provided with the option of using co-branded materials in its marketing campaign, certificates, student acquisition programs, etc., only after the Parties mutually agree in writing the terms and conditions under which the courses offered by L&T and Sir MVIT will be co-branded.
- b. Usage of L&T brand and logo would always be subjected to the proprietary terms and IP rights of L&T.
- c. Sir MVIT shall be permitted to use the name, logo of L&T upon the execution of this Agreement, subject to prior written consent from L&T. Sir MVIT shall be entitled to use the name, Logo of L&T only in a form and format agreeable to L&T.

## 7. Term and Termination

- a. This Agreement shall be with effect from the date of signing hereto and shall remain valid for a period of three years unless terminated earlier.
- b. This Agreement may be terminated by either of the Parties by giving one month written notice to the other Party.
- c. This Agreement may be terminated by the Party if the other Party
  - (i) breaches the terms and conditions of this Agreement, where such breach remains uncured within 7 days from the receipt of notice from the non-defaulting party
  - (ii) violates and breaches the confidentiality and Intellectual Property terms as set out in this Agreement.
- d. In the event of any termination, the ongoing CollegeConnect Program shall be rendered to the students who had enrolled for the same prior to the termination of this Agreement. It is hereby clarified that the amounts paid by Sir MVIT prior to termination of this Agreement for availing the courses shall not be refunded under any circumstances.
- e. It is hereby agreed by the Parties that post termination of this Agreement for any reason, Sir MVIT shall cease to provide the CollegeConnect Program, either under the same name or a different brand name using the materials of L&T, to the students, and return all data, information of L&T that it may have access to and communicate to the students that the CollegeConnect Program will be no longer offered through Sir MVIT.





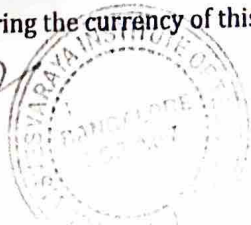
## 8. Confidentiality

- a. The Parties hereby agree that each Party may have access to Confidential Information of the other Party. Each of the Parties agrees that it shall keep confidential all the information disclosed by the other Party and will use the same only for the purposes of this agreement.
- b. Each of the Parties also agrees that it shall not disclose to any person or entity any of the terms, conditions or other facts with respect to any such possible transaction including the status, which is confidential information without the consent of the other Party.
- c. For the purposes of this Agreement, Confidential Information shall mean any information provided by a Party to another Party under this Agreement, including but not limited to, financial, marketing, technical, IPR, design, customer/learner information (sourced by the FIRST PARTY/ SECOND PARTY) or other information of the disclosing party.
- d. The Parties also affirm that there shall not be any announcement made by either Party, till both Parties have approved the content of such an announcement.
- e. Nothing in the above clause prevents a Party from disclosing any Confidential Information:
  - (a) to its employees, legal advisors and other consultants on a need-to-know basis (provided the Party uses reasonable endeavors to ensure that the relevant person is aware that the information is confidential and does not further disclose the information except in accordance with this clause);
  - (b) if required by law, or regulatory authority;
  - (c) to obtain any Regulatory or corporate approval, consent or authorization to enter into the transaction;
  - (d) if required in connection with enforcement of any right or in defence of any claim, legal proceedings or dispute resolution procedure relating to or arising out of this Agreement.

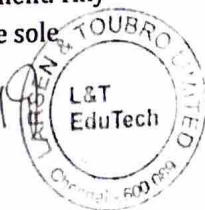
## 9. Intellectual Property Rights

- a. Intellectual Property Rights: any and all Intellectual Property Rights (hereinafter referred to as IPR) subsisting in the courses (now or in the future), including any and all patents, rights to inventions, copyright and related rights, trademarks, trade names and domain names, rights in get-up, rights in goodwill or to sue for passing off, rights in designs, rights in computer software, database rights, rights in confidential information (including know-how and trade secrets) and any other intellectual property rights, in each case whether registered or unregistered and including all applications (or rights to apply) for, and renewals or extensions of, such rights and all similar or equivalent rights or forms of protection which may now or in the future subsist in any part of the world).
- b. Sir MVIT agrees that all products/ such other things provided under this Agreement shall belong exclusively to L&T and no rights thereto shall accrue in any manner to Sir MVIT.
- c. Under no circumstances will Sir MVIT be entitled to claim the IPR (or any right of any kind) for any product, process, methodology, patent or any other thing of any nature whatsoever in relation to this Agreement. Any IPR developed during the currency of this Agreement shall be the sole

*Sud*



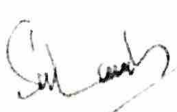

*John*


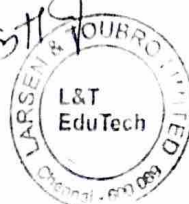


- property of L&T and Sir MVIT shall not have a right to claim any right over the same merely by working on it or instrumental in developing the same.
- d. Sir MVIT shall not along with its student(s)/faculty/client(s)/sub-contractor(s) remove or alter any of the proprietary rights notices on any Confidential Information/courses it receives from L&T and will not attempt to recreate, update, modify, create derivative works, delete, destroy or deface the courses or Intellectual Property (or any part thereof) in any manner whatsoever. In no case shall Sir MVIT or anybody connected to Sir MVIT either directly or indirectly, apply for, or seek registration of, or in any way use in any country the patents, know-how, trademark or any other intellectual property, designs, copyrights, trademarks, trade names or logos which are identical or confusingly similar to the patents, know-how, trademark or any other intellectual property, marks, trade names, logos, designs, etc., belonging to L&T.
  - e. Sir MVIT hereby fully confirms and commits that it shall take all necessary precautions, measures and steps to fully protect the Confidential Information of L&T, from any unauthorized disclosure, misuse or infringement in any manner. In this regard, Sir MVIT shall execute a suitable declaration on behalf of all its employees confirming that Sir MVIT and its employees will take such steps as may be necessary to protect such Confidential Information from unauthorized disclosure, misuse or infringement. In the event of any breach of this clause by its employees, Sir MVIT agrees to indemnify L&T in respect of the same. In addition, if any instance of any infringement or misuse of the Confidential Information including its know-how and intellectual properties comes to the knowledge of one of the Parties, they should immediately take reasonable steps for restraining such infringement or misuse and bring the matter immediately to the knowledge of the other Party.
  - f. Upon any termination of this Agreement or upon breach by Sir MVIT of any of the terms of this Agreement, Sir MVIT shall cease using the L&T IPR, the courses forthwith.

## 10. Indemnity

- a. Each Party ("Indemnifying Party") hereby irrevocably and unconditionally agrees to indemnify and hold the other Party ("Indemnified Party"), its directors, officers and employees harmless from and against any and all liabilities, losses, damages, costs, claims, or the like (collectively "Loss") which may be suffered or incurred directly, including but not limited to any claim by third party, by Indemnified Party as a result of (i) any misrepresentation or material breach of any representation or warranty made by the Indemnifying Party in this Agreement or (ii) non-fulfilment of or failure to perform any covenant or obligation or agreement or undertaking contained in this Agreement by the Indemnifying Party or (iii) violation of confidentiality and intellectual property rights of the Indemnified Party.
- b. In no event shall the maximum liability of L & T under this Agreement exceed the amount of fees paid/payable by Sir MVIT for a period of three months immediately preceding the date of the claim.



## 11. Notices

- a. Except as otherwise specified in this Agreement, all notices, requests, consents, approvals, agreements, authorizations, acknowledgements, waivers and other communications required or permitted under this Agreement shall be in writing and shall be deemed to be given when sent by electronic mail to the electronic mail address specified below or delivered by hand to the address specified below. A copy of any such notice shall also be sent by registered mail or courier on the date such notice is transmitted by electronic mail, to the address specified below:

In the case of L&T:

L&T EduTech, TCTC (First Floor), Larsen & Toubro Limited, Mount Poonamallee Road, Manapakkam, P.B.No.979, Chennai - 600 089.  
E-Mail ID: [collegeconnect@lntedutech.com](mailto:collegeconnect@lntedutech.com)

In the case of Sir M. Visvesvaraya Institute of Technology:

Sir M. Visvesvaraya Institute of Technology & International Airport Road, Hunasamaranahalli, Yelahanka, Sir M Visvesvaraya Inst Rd, Yelahanka, Bengaluru, Karnataka 562157

E-Mail ID:

## 12. Non-Solicit

- a. During the term of this agreement and for a period of thirty six(36) months thereafter, Sir MVIT shall not directly or indirectly, knowingly recruit, hire, engage or solicit for employment any technical or professional employee of L&T, its Affiliates, sub-contractors, vendors, etc. unless otherwise agreed to in writing by the Parties.

## 13. Exclusivity

- a. The L&T hereby agrees and acknowledges that Sir MVIT has executed similar agreements with third party course providers. hereby agrees and states that it shall not share/discard/use the course materials or any information pertaining to the course or otherwise made available to it by L&T with such third-party course providers under any circumstances in any manner. It is hereby agreed between the Parties hereto that any such act on the part of Sir MVIT gives L&T the right to terminate this Agreement.

## 14. Entire Agreement:

- a. This Agreement and the schedules, set forth constitute the entire agreement and understanding of the Parties with respect to the subject matter hereof, and supersedes all prior oral and written agreements, understandings, representations, conditions and all other communications relating thereto including any commercial and/or technical proposal made by Sir MVIT to L&T.



### 15. Assignment Rights

- a. Sir MVIT shall not assign or transfer its rights and liabilities hereunder to any other party without the prior written permission of the L&T, which will not be unreasonably withheld.

### 16. Survival:

- a. Any provision of this Agreement that by their content are intended to survive the performance, termination, expiration or cancellation of this Agreement shall so survive.

### 17. No partnership

- a. Nothing in this Agreement shall constitute or be deemed to constitute a partnership, agency or any other similar relationship between any of the parties and none of them shall have any authority to bind the others in any way, whether contractually or otherwise.

### 18. Severability:

- a. If any provision of this Agreement is held by a court of competent jurisdiction to be contrary to Law, then the remaining provisions of this Agreement, if capable of substantial performance, shall remain in full force and effect.

### 19. Counterparts:

- a. This Agreement may be executed in any number of counterparts, each of which will be deemed an original, but all of which taken together shall constitute one single agreement between the Parties.

### 20. Amendment

- a. This Agreement may be amended or modified in whole or in part with the mutual consent of the Parties to the Agreement in writing.

### 21. Costs of Enforcement

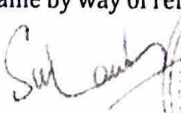
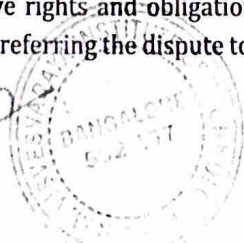
- a. If either Party shall seek to enforce any provision of this Agreement, the prevailing party in any such legal action or proceeding shall be entitled to reasonable attorney's fees in addition to any other relief provided to the prevailing party.

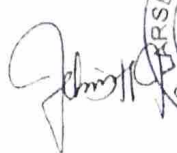
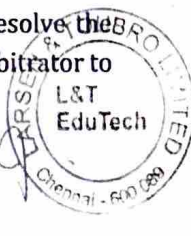
### 22. Governing Law and Jurisdiction

- a. This Agreement shall be governed by the laws of India. The Parties hereby agree that the courts in Chennai, India will have the exclusive jurisdiction to try any disputes by and between the Parties.

### 23. Arbitration

- a. The Parties shall attempt in good faith, to resolve any controversy, claim, or dispute arising out of this Agreement through bilateral mutual negotiations. It is mutually agreed that in the event of any dispute of misunderstanding that might be arising between the Parties, herein, whether as to the interpretation of the terms and conditions contained herein and / or as to the determination of the respective rights and obligations, the parties herein shall resolve the same by way of referring the dispute to the Arbitration of the sole arbitrator to



be appointed by mutual consent. If the Parties herein failed to arrive at a consensus for the appointment or a sole arbitrator, each party shall be entitled to appoint an arbitrator of their choice and the arbitrators so appointed in this regard shall by consensus appoint a third arbitrator, thereby forming an arbitration panel to resolve the dispute between the Parties herein. Each party shall be liable to bear the cost of their respective Arbitration, unless otherwise adjudged by the arbitration panel.

- b. The award to be passed by the arbitration panel shall be final and binding on the Parties herein. The procedure as prescribed under the Arbitration of Conciliation Act 1996 shall be adopted in this regard. The law applicable shall be Indian Law and the venue of arbitration shall be Chennai, India.

## 24. FORCE MAJEURE

The parties shall be excused from delays in performing or from failing to perform its obligations under this Agreement or the indentures pursuant thereof to the extent the delays or failures result from causes beyond the reasonable control of the parties, including, but not limited to: acts of God; wars; Governmental actions; fire; flood; epidemic; and freight embargoes. However, there shall be an obligation on such repudiating party to give notice to the other regarding the invocation of the Force Majeure clause at the earliest possible.

IN WITNESS WHEREOF, the parties have hereunto set their hands and seals the day and year first above written.

For Sir M. Visvesvaraya Institute  
of Technology

Prof S G Rakesh  
Principal

Sir M. Visvesvaraya Institute  
of Technology



For Larsen & Toubro

Mrs. M F Febin  
Head-CollegeConnect Business  
L&T EduTech



Witnesses:

1.

2.

Witnesses:

1.

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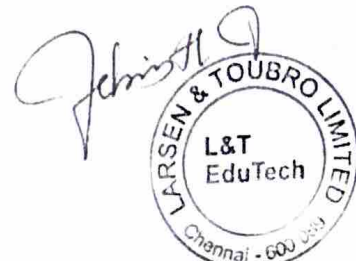
## ANNEXURE - I

| SI NO | Semester              | Number of Licenses | Price per License per Student (Rs) |  |
|-------|-----------------------|--------------------|------------------------------------|--|
|       |                       |                    | (Not Including GST)                |  |
|       |                       | A                  | B                                  |  |
| 1     | Academic Year 2023-24 | 500                | 6,500                              |  |
| 2     | Academic Year 2024-25 | 500                | 6,500                              |  |
| 3     | Academic Year 2025-26 | 500                | 6,500                              |  |
|       | <b>TOTAL</b>          | <b>1,500</b>       |                                    |  |

### Terms & Conditions

- The pricing will be valid for 1 year and it will be renewed based upon mutual agreement subsequently.
- The Cost of the package is firm and fixed for the 1,500 numbers of licenses and the courses offered to Sir MVIT by L & T as per Annexure-I. The Package cost as indicated in Annexure I will not change/vary due to the reasons of non-subscribing of any of the licenses by the students and/or students opting out of the programme for whatsoever reasons. Any increased requirement of the number of licenses /courses beyond the stipulated number of 1,500 numbers of licenses and courses as indicated in Annexure I will be offered by L&T to Sir MVIT by executing a supplementary agreement as per the terms and conditions mutually agreed upon between the parties.
- After the signing of this Agreement, on production of invoice by L&T, Sir MVIT will pay to L&T 10% of the Cost of Enrollment of the First Roll out students (Jan-23) ("the Base Amount") as an advance. Sir MVIT will be permitted to advertise about the courses and begin enrolment of students only after payment of "the Base Amount". This is applicable only for the first roll out after the agreement.
- 100% of the payment is to be made at the beginning of every semester 3 days before the start of the programme. The payment is for the students enrolled in L&T courses in that semester. This payment shall be made less the Base Amount paid as advance by Sir MVIT to L&T as mentioned in the above point.
- The invoice shall be raised from L&T 7 days before the start of the programme.
- The course content shall be delivered online as elaborated in this proposal.
- The payment made under this Agreement shall not be refundable under any circumstances including but not limited to a) if the students opt-out of the programme after the start of the programme b) if there is any decrease in number of licenses agreed upon.
- Sir MVIT may choose to inform its students and prospective students about its alliance with L&T without violating IP rights and confidentiality terms.
- Sir MVIT PAN Number:
- Sir MVIT GST Number:

*S. S. S.*





# SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

Krishnadevarayanagar, Hunasamaranahalli, International Airport Road, Bangalore - 562 157.

(Affiliated to Visvesvaraya Technological University, Recognised by AICTE & Accredited by National Board of Accreditation, New Delhi. An ISO 9001 : 2008 Certified Institution)

Ph.: 080 - 2846 7248 / 2847 7024 / 25 / 26 Fax : 080-2846 7081

E-mail : principal@sirmvit.edu, sirmvitbgl@gmail.com, Web : www.sirmvit.edu



## MEMORANDUM OF UNDERSTANDING (MOU)

This Memorandum of Understanding (MOU) is made and entered on 05/04/2021 between

1. **Sir M. Visvesvaraya Institute of Technology, Bengaluru** under Sri Krishnadevaraya Educational Trust, affiliated to Visvesvaraya Technological University, Belgavi, approved by AICTE New Delhi & Govt of Karnataka an entity of incorporated in the year 1986 under the laws of India and having its principal place of activity at Bengaluru, India, represented by its PRINCIPAL.  
And

2. **Technilab Instrument, Bengaluru** incorporated as a company under the Companies Act 1969 with Registered and Corporate office at No 10/8, 3<sup>rd</sup> Cross, Banaswadi Main Road, Maruthi Seva Nagar, Bengaluru – 560033, India, represented by its CEO **Mr J Ravi Kumar**.

### WHEREAS

- A. **Sir M. Visvesvaraya Institute of Technology, Bengaluru** is a specialist in providing value-added, holistic Engineering education to students at affordable costs, in conducive academic ambience, leading to Personality development and intellectual growth.
- B. **Technilab Instrument, Bengaluru** is a leader in the field of design. Development and manufacture of quality products based on Communication Systems, for Educational Institutes and customized solution provider for Industries.

*sp. [Signature]*

*[Signature]*

## DELIVERABLES

By signing this MOU by Sir M. Visvesvaraya Institute of Technology, Bengaluru and Technilab Instrument, Bengaluru, agrees to work jointly in the following areas:

1. To set up a Lab and provide the necessary training and learning materials for the students and faculty members.
2. To establish skill based vocational training center to impart industrial training
3. To Conduct Hands on workshop program and to provide certificates for the participants.
4. To provide Internship for the students.
5. To provide speakers for any sessions of technical talk, workshop and conferences.
6. To arrange training programs on topics related to curriculum.
7. To provide Research facilities for students and faculty members.
8. To organize industrial visits for students.
9. Assist our department students in Placements.
10. The projects designed with supporting tools will be submitted to the Department of Telecommunication Engineering, Sir M. Visvesvaraya Institute of Technology, Bengaluru with a vision to setup project Lab.

Above activities are carried out with mutual acceptance and within the rules and regulations of the participating institutes.

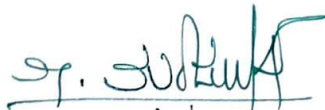
## PRICES AND PAYMENTS

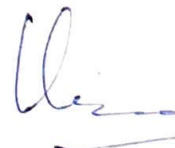

By signing this MOU, Sir M. Visvesvaraya Institute of Technology, Bengaluru, need not make any payments to Technilab Instrument, Bengaluru or vice-versa.

However, the Training and Workshop program are not free of charge. Tecchnilab Instruments, Bengaluru and Sir M. Visvesvaraya Institute of Technology, Bengaluru, will mutually decide on the fees to be paid by the candidate at the time of registration for the programs.

## TERMS AND CONDITIONS:

1. If the training/workshop is held at the premises of Technilab Instruments, then the Candidates have to make their own arrangements for food, accommodation and travel.
2. If the training/workshop is held at the premises of Sir M. Visvesvaraya Institute of Technology, Bengaluru, then Sir M. Visvesvaraya Institute of Technology, Bengaluru, will take care of the Local hospitality of maximum TWO resource persons deputed from TechniLab Instruments or concerned from the fees collected for the Workshop.
3. Jointly TechniLab Instruments, Bengaluru and Sir M. Visvesvaraya Institute of Technology, Bengaluru, will issue certificate to all the participants at the end of the programme.





## TERMS OF AGREEMENT AND TERMINATION.

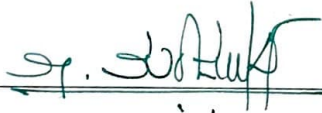
1. This MOU shall come in to effect from the date of signature, and shall remain in force for a period of THREE years. The same can be renewed on mutual agreement by both the parties, if required.
2. Each party shall have the right to terminate this MOU upon 30 days prior written notice if the other party is in breach of any material obligation under this MOU.

## MISCELLANEOUS

Any notice given by one party to the other shall be deemed properly given if specifically acknowledged by the receiving party in writing or when delivered to the recipient by hand, registered mail during normal business hours to the following address:

- A. **Dr. V.R.Manjunath,**  
Principal,  
Sir.MVIT,  
Bengaluru-562157.
- B. **Mr. J.Ravi Kumar,**  
CEO,  
Techni Lab Instrument,  
No-10/8, 3<sup>rd</sup> cross,  
Banasawadi Main Road,  
Maruthi Seva Nagar,  
Bengaluru-560033, India.

IN WITNESS WHEREOF, each of Sir M. Visvesvaraya Institute of Technology, Bengaluru and Technilab Instruments, Bengaluru has caused this MOU to be signed and delivered by its duly authorized representative.

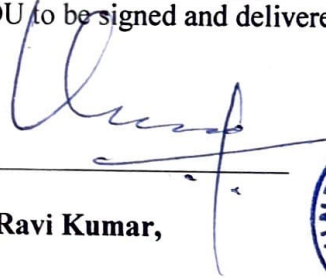


**Dr. V.R.Manjunath,**  
Principal,  
Sir M. Visvesvaraya  
Institute of Technology,  
Hunsamarnahalli,  
Bengaluru-562157

Date: 05/04/2021  
Place: Bengaluru

Witness 1: 

Witness 3: 



**Mr. J.Ravi Kumar,**  
CEO,  
Techni Lab Instrument,  
No-10/8, 3<sup>rd</sup> cross,  
Banasawadi Main Road,  
Maruthi Seva Nagar,  
Bengaluru-560033.

Date: 05/04/2021  
Place: Bengaluru

Witness 2: 

Witness 4: 



**SRI KRISHNADEVARAYA EDUCATIONAL TRUST**  
No. 16, Ballari Road, Sadashivanagar, Bengaluru - 560 080

Date : 17/02/2020

Ref.No.KET/ 200/1408 /2019 - 2020

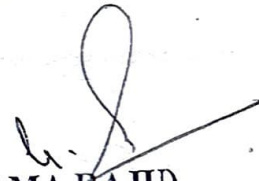
**NOTE:**

Sub: Permission to enter into MOU with M/s. Techni Lab Instruments - Reg.  
Ref: Communication from HOD, Telecommunication Engg. dated 23/01/2020, vide Principal's endorsement No. 4574, dated 28/01/2020.

\*\*\*

With reference to the above subject, permission is hereby accorded to enter into MOU with M/s. Techni Lab Instruments purely for academic purpose, which will be beneficial to conduct Faculty Development Programmes (FDP), Student Development Programmes (SDP), Internships, Projects for the students in their related domain of communication.

The above MoU is subject to the condition that there is no financial commitment to the Institution / Trust.

  
(K. SYAMA RAJU)  
SECRETARY

To  
The Principal,  
Sir MVIT,  
Bengaluru.

Copy to:

1. The HOD, Dept. of Telecommunication Engg., Sir MVIT, Bengaluru.
2. Accounts Officer, Sri KET, Bengaluru.





सत्यमेव जयते

INDIA NON JUDICIAL

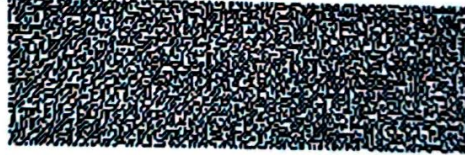
Government of Karnataka

e-Stamp

|                           |   |
|---------------------------|---|
| Certificate No.           | : IN-KA47409866392918T                        |
| Certificate Issued Date   | : 09-Nov-2021 09:47 AM                        |
| Account Reference         | : NONACC (FI)/ kaksfcl08/ VIJAYANAGAR3/ KA-BA |
| Unique Doc. Reference     | : SUBIN-KAKAKSFCL0846352302905811T            |
| Purchased by              | : CADMAXX SOLUTIONS EDUCATION TRUST           |
| Description of Document   | : Article 37 Note or Memorandum               |
| Description               | : MOU   |
| Consideration Price (Rs.) | : 0<br>(Zero)                                 |
| First Party               | : SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY  |
| Second Party              | : CADMAXX SOLUTIONS EDUCATION TRUST           |
| Stamp Duty Paid By        | : CADMAXX SOLUTIONS EDUCATION TRUST           |
| Stamp Duty Amount(Rs.)    | : 100<br>(One Hundred only)                   |

ವರವಾಗಿ ಸ್ಪಂದನ ಕ್ರೆಡಿಟ್ ಸೌಹಾರ್ದ ಸಮಿತಿಯ (ಸಿ)  
For Spandana Credit Souharda Sahakari Niyamitha (SI)

ಅಧಿಕೃತ ಸಹಿ Authorised Signatory



Please write or type below this line

### MEMORANDUM OF UNDERSTANDING (MoU)

This Memorandum of Understanding (hereinafter called as the MoU) is made and executed on this day, the 9<sup>th</sup> day of November 2021

BETWEEN

**SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY**  
Krishnadevaraya Nagar, Hunasamaranahalli, International Airport Road, Bengaluru - 562 157  
AND

**CADMAXX SOLUTIONS EDUCATION TRUST**  
#2095, 2nd floor, 9th Cross, 5th Main Rd, RPC Layout, Vijayanagar, Bengaluru-560040

1

**Statutory Alert:**

1. The authenticity of this Stamp certificate should be verified at 'www.stampstamp.com' or using e-Stamp Mobile App of Stock Holding.
2. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
3. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority

S.No. 41, 2021. ARB/2021. GOVERNMENT OF KARNATAKA, BANGALORE. THE GOVERNMENT OF KARNATAKA, BANGALORE. THE GOVERNMENT OF KARNATAKA, BANGALORE.



**WHEREAS:**

- A) First Party is a Higher Educational Institution named: **SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU.**
- B) The second party is Training and skill development organization named: **CADMAXX SOLUTIONS EDUCATION TRUST.**
- C) First Party & 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.
- D) The Parties intent to cooperate and focus their efforts on cooperation within the area of Skill Based Training.
- E) **CADMAXX SOLUTIONS EDUCATION TRUST, BENGALURU-** the Second Party will be engaged in following activities;
1. Guest Lectures
  2. Skill Lab software's (CATIA/NX CAD/SOLID WORKS) Training.
  3. Technical Competitions
  4. Technical talks
  5. Product & Industry awareness programs
  6. Industrial Training & Visits
  7. Workshops/Faculty Development Programs.
  8. Skill development and collaborative research.

Now therefore, in consideration of the mutual promises set forth in this MoU, the parties here to agree as follows:

**CLAUSE 1 CO-OPERATION**

- 1.1 Both Parties are united by common interests and objectives, and they shall establish co-operation.
- 1.2 First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities.
- 1.3 The parties shall co-operate with each other and shall as promptly as is responsibly practical, relevant agreement.

**CLAUSE 2 OBJECTIVES OF THE MoU**

- 2.1 Guest Lectures/Technical talks: Second Party to extend the necessary support to deliver guest lecturers/Technical talks to the students of the First Party on the technological trends utilizing the in-house facilities of the first party.
- 2.2 Second Party to extend the necessary support to organize the Workshops/Faculty Development Programs/ Technical Competitions/ Product & Industry awareness programs to the students/faculty of the First Party.
- 2.3 Second Party to extend the necessary support for Skill Lab-software's (CATIA/NX CAD/SOLID WORKS) Training to the students as per VTU guidelines.
- 2.4 Industrial Training & Visits: Industry and Institution interaction will provide an insight into the latest developments / requirements of the industries; the Second Party to permit the Faculty and Students of the First Party to visit its group companies and also involve in Industrial



Training Programs for the First Party. This will provide confidence & smooth transition for students work. Also, the Second party may register on the AICTE Internship Portal for the benefit of students.

2.5 There is no financial commitment on the part of the SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY, BENGALURU, the first party to take up any program mentioned in MoU. If there is any financial consideration, it will be dealt separately (applicable for software training only at nominal charge).

2.6 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required.

### CLAUSE 3 VALIDITY

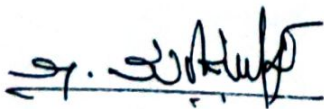
This Agreement will be valid until it is expressly terminated by either Party on mutually agreed terms. If either party is found violating the above-mentioned terms or conditions of the MoU, the other party may terminate the MoU with one month notice.

### CLAUSE 4 AMENDMENT to the MoU

During the operation of MoU, circumstances may arise which may call for alteration in the MoU, which shall be Mutually discussed and agreed upon by both parties and shall form part and parcel of the original MoU.


### CLAUSE 5 RELATIONSHIP BETWEEN THE PARTIES

It is expressly agreed that First Party and Second Party are acting under this MOU as independent contractors, and the relationship established under this MOU shall not be construed as a partnership.



**First Party**  
PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY  
Krishnadevarayanagar, Hunsamaranahalli,  
International Airport Road, BANGALORE-562 157

  
9/11/21  
**Second Party**  
9.11.21

**Centre Head**

PROFESSOR & HEAD  
Department of Mechanical Engineering  
Sir M. Visvesvaraya Institute of Technology  
Bengaluru-562 157

  
9.11.2021  
**WITNESS**

**MADHUKUMAR.K**  
(Coordinator)



Sir M Visvesvaraya Institute of Technology  
Hunasamaranahalli, Bengaluru-562157



Govt. Tool Room & Training Centre  
Rajajinagar Industrial Estate, Bengaluru - 560 010

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## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MOU) has been entered on 08.08.2019

By and Between

**Sir M Visvesvaraya Institute of Technology** having its campus at Hunasamaranahalli, Bengaluru-562157 and represented by **Dr. V R Manjunath, Principal.**

AND

**Government Tool Room & Training Centre, Bengaluru** having its CAMPUS at Rajajinagar Industrial Estate, Bengaluru - 560 010. (Hereafter referred as "GTTC") and represented by **Managing Director-GTTC.**

The purpose of this agreement is with reference to defining the areas of co-operation benefiting both the organizations & agreeing to offer academic interface programs as detailed below:

1. To get an insight in to the requirement of industries and to develop relevant talents, to enable students to meet the industrial challenges.
2. To provide required Industrial Training and Internships, in order to build confidence and facilitate smooth transitions of students from academic to working environment.
3. To plan regular Industrial visits to make students understand the technical advancements in emerging domains.
4. To conduct joint seminars, workshops and short-term Training programs to regularly update the knowledge of faculty and students.
5. To organize joint meetings of industrial professionals & faculty members, to discuss possible up gradation of curricular aspects in line with industry requirements.
6. To facilitate the resources available at either ends, to carry out project activities to both students and faculty members.
7. To work towards offering placement assistance to students, in core and niche areas.
8. To utilize the expertise of faculty members and Industry Professionals from both the organizations, apply for setting up of Centers of Excellence (COE) in niche domains.





Sir M Visvesvaraya Institute of Technology  
Hunasamaranahalli, Bengaluru-562157



Govt. Tool Room & Training Centre  
Rajajinagar Industrial Estate, Bengaluru - 560 010

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**TERMS AND CONDITIONS:**

1. This agreement of MOU may be executed by both the parties each of which shall be deemed as original and together shall constitute one and the same document.
2. The parties shall keep each other informed and shall share all information that may be relevant to secure additional opportunities of interaction for mutual benefit.
3. There shall not be any issues binding legally and financially whatsoever, between the Sir M Visvesvaraya Institute of Technology, Hunasamaranahalli, Bengaluru-562157 and Government Tool Room and Training Centre Bengaluru.
4. The parties shall take all necessary steps to protect the confidentiality of technical know-how, resource materials or proprietary information, which either party shall use only for the purposes highlighted in the agreement.
5. The parties would mutually decide & agree to fix the registration/training fees to be collected from each candidate (against receipt issued by GTTC) for the training programs / workshops conceived by both parties, as per the norms of both institutes.
6. Award of certificates would be to only those who register and successfully complete the training programs/workshops.
7. Press note, public announcements or any other disclosure concerning this agreement shall be made available at relevant platforms, only after mutual consent.
8. If any dispute arises, it shall be resolved mutually by both the parties. However, the decision of Managing Director of GTTC and the Dr. V R Manjunath, Principal of Sir M Visvesvaraya Institute of Technology, Hunasamaranahalli, Bengaluru-562157 as agreed upon will be final & binding.

**VALIDITY:**

This agreement of co-operation is valid for duration of three years (3 years) with effect from the date of signing of the agreement of co-operation and may be renewed with mutual consent thereafter. Either party can cancel or terminate this agreement unilaterally without assigning any reason by giving an advance notice of 30 days to the other party.



Sir M Visvesvaraya Institute of Technology  
Hunasamaranahalli, Bengaluru-562157



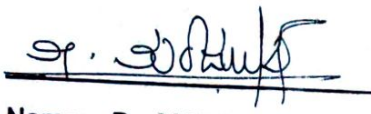
Govt. Tool Room & Training Centre  
Rajajinagar Industrial Estate, Bengaluru - 560 010

The Memorandum of Understanding shall come into effect from 08.08.2019

In witness where the parties have set their hands here to on the day & year written above under their representative seal of office.

For: Sir M Visvesvaraya Institute of Technology

For: Government Tool Room & Training Centre



Name: Dr. V R Manjunath



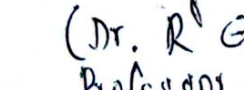
Designation: Principal

Date: 08.08.2019

PRINCIPAL

Sir M. VISVESVARAYA INSTITUTE OF TECHNOLOGY  
Krishnadevaraya Street, Hunasamaranahalli,  
International Airport Road, Bengaluru-562157.

Witness (Name & Designation)

- 1   
(Dr. SUPRIYA VB)  
Professor, Sir M VIT
- 2   
(Dr. R G Patil)  
Professor, Sir M VIT  
ECE Dept.
- 3   
(Dr. R G Patil)  
Professor, Sir M VIT  
ME Dept.

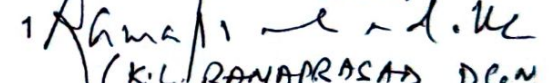



Name: Sri.H.Raghavendra

Designation: MD - GTTC

Date: 08.08.2019

Witness: (Name & Designation)

- 1   
(K.L. RAYAPRASAD, DGM  
GTTC)
- 2   
R. MUTHUKUMAR  
GTTC Manager-Training
- 3





Sir M Visvesvaraya Institute of Technology  
Hunasamaranahalli, Bengaluru-562157



Govt. Tool Room & Training Centre  
Rajajinagar Industrial Estate, Bengaluru - 560 010

## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MOU) has been entered on **02.12.2022**

By and Between

**Sir M Visvesvaraya Institute of Technology** having its campus at Hunasamaranahalli, Bengaluru-562157 and represented by **Prof. Rakesh S.G, Principal**.

AND

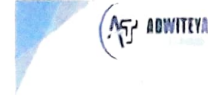
**Government Tool Room & Training Centre, Bengaluru** having its campus at Rajajinagar Industrial Estate, Bengaluru - 560 010. (Hereafter referred as "GTTC") and represented by **Managing Director-GTTC**.

The purpose of this agreement is with reference to defining the areas of co-operation benefiting both the organizations & agreeing to offer academic interface programs as detailed below:

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2. To provide required Industrial Training and Internships, in order to build confidence and facilitate smooth transitions of students from academic to working environment.
3. To plan regular Industrial visits to make students understand the technical advancements in emerging domains.
4. To conduct joint seminars, workshops and short-term Training programs to regularly update the knowledge of faculty and students.
5. To organize joint meetings of industrial professionals & faculty members, to discuss possible implementation of curricular aspects in line with industry requirements.
6. To facilitate the resources available at either ends, to carry out project activities to both students and faculty members.
7. To work towards offering placement assistance to students, in core and niche areas.



Sir M. Visvesvaraya Institute Of Technology,  
Hunasamaranahalli, Bengaluru-56



VMMJ+389, Choodasandra, Bengaluru,  
Karnataka 560035

## **MEMORANDUM OF UNDERSTANDING**

This Memorandum of Understanding (MOU) has been entered on **06.01.2023**

### **By and Between**

**Sir M Visvesvaraya Institute of Technology** having its campus at Hunasamaranahalli, Bengaluru-562157 and represented by **Prof. Rakesh S. G., Principal.**

### **AND**

**Adviteya Technology, A Venture of ADVI Group**, VMMJ+389, Choodasandra, Bengaluru-560035, Karnataka and represented by **Sri B. S. Manusudan.**

### **About the company**

Enterprises are leveraging the power of software to modernize their IT infrastructure to run operations with tranquility, drive extreme automation, re-imagine legacy business processes and remain agile through an ideal mix of on premise infrastructure, public, private and hybrid clouds. All this, while proactively countering the growing security threat landscape and optimizing the cost of operations. The company helps to explore a journey where the students are given a real time projects on the latest domains like Artificial Intelligence (AI) and Machine Learning (ML), Robotic Process Automation (RPA), Edge Computing, Quantum Computing, Virtual Reality (VR), Augmented Reality (AR), Block chain, Embedded Systems and Cyber Security on product design.

It develops and continuously evaluate system so as to pursue quality in all their deliverable. At their team, they are completely dedicated to customer's requirement. Their products are designed and devoted to empower the competitive edge and help to succeed.

### **Objective of the EDC**

1. To act as an institutional mechanism for providing various services including information on all aspects of enterprise building to budding S&T (Science and Technology) entrepreneurs.
2. To catalyze and promote development of S&T knowledge-based enterprises and promote employment opportunities in the innovative areas.
3. To respond effectively to the emerging challenges and opportunities both at national and international level relating to SMEs and micro enterprises.





Sir M. Visvesvaraya Institute Of Technology,  
Hunasamaranahalli, Bengaluru-56



VMMJ+389, Choodasandra, Bengaluru,  
Karnataka 560035

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### **Proposed Functions of EDC:**

1. Complete Lab setup will be by the ADVI group of companies excluding workstations and Internet LAN connectivity, with expert trainers and latest equipment.
2. No financial cost raised between college/universities and company.
3. To conduct research work and survey for identifying entrepreneurial opportunities (particularly in S&T areas and service sectors)
4. The students will be trained with latest technologies.
5. The trained student will be certified with the company Certificate.
6. The best productive deliverable students will be given a token of appreciation based on the project.
7. The students, who performs well in the project will be deputed to Indian office as the employee.
8. The components for the project implementation will be provided by ADVI group of Companies.
9. Any student can visit our company to work on more live projects.
10. To provide testing, calibration, quality assurance, design, tool room, pilot plant and other facilities to the students besides expertise in intellectual property rights, patents search, etc.
11. If the students have any idea they may be helped to implement on it.

### **Benefits to the Students:**

#### **Value support Mechanism**

- Critical thinking and problem solving in implementation of algorithms.
- Project management on a turnkey basis.
- Developing and implementing systems and procedures of client projects.
- Channelizing organization's objectives to improve skill set of students.
- Identifying and seizing new opportunities by providing client / consulting projects.



- Providing expert opinion and guidance from wide panel of mentors.
- Hands-on session for the students to handle the projects on board.
- Embedded system kernel programming for students on device drives.
- Research Scholars can work on innovative product, problems on a specific domain will be shared among research students.
- Internship for students will be provided on consulting projects.
- One Project In charge/coordinator can be always seated on campus to assist students, if required.

#### **Benefits to college:**

- Facilitating the workshop / FDP in cutting edge Technology.
- Working knowledge on LIVE projects.
- Certified Courses for students will be conducted as per the requirement of colleges.
- Complete equipment will be set up by the company, like components, software other funding agencies in the name of tools, hardware modules and accessories required for the conduction of project, providing mentors at the University Campus in the ratio of 1:30.
- If performance is best, the student will be directly absorbed by the company. At the end of Internship we provide a test on modules designed, if he/she delivers the output the same will be appointed.
- Incorporation of any advanced technology in the market.





Sir M. Visvesvaraya Institute Of Technology,  
Humasamaramahalli, Bengaluru-56



VMMJ+389, Choodasandra, Bengaluru,  
Karnataka 560035



## **MEASURABLE BENEFITS**

- Creates a zero-ego state of mind.
- Enhances professional-personal efficiencies.
- Awakens dormant potentials within.
- Reinforces self-confidence.
- Builds work-life balance.
- Induces positive personal score cards.
- Creates masteries in every sphere of life.

## **KEY NOTE:**

1. No Financial burden to the college.
2. For each domain Company will set up the lab from company account.
3. Damage of any components, no fine will be collected from students Internship.
4. New tool learning charges are by dividing system for students, components like ARM board, Pi boards and embedded \_ board free cost.
5. Best performance students will be absorbed by company.

## **TERMS AND CONDITIONS:**

1. This agreement of MOU may be executed by both the parties each of which shall be deemed as original and together shall constitute one and the same document.
2. The parties shall keep each other informed and shall share all information that may be relevant to secure additional opportunities of interaction for mutual benefit.



Sir M. Visvesvaraya Institute Of Technology,  
Hunasamaranahalli, Bengaluru-56



AS2  
ADVITIA



VMMI+389, Choodasandra, Bengaluru,  
Karnataka 560035

3. There shall not be any issues binding legally and financially whatsoever, between Sir M Visvesvaraya Institute of Technology, Hunasamaranahalli, Bengaluru-562157 and ADVI Group.
4. The parties shall take all necessary steps to protect the confidentiality of technical know-how, resource materials or proprietary information, which either party shall use only for the purposes highlighted in the agreement.
5. Award of certificates would be to only those who register and successfully complete the training programs/workshops.
6. Press note, public announcements or any other disclosure concerning this agreement shall be made available at relevant platforms, only after mutual consent.
7. If any dispute arises, it shall be resolved mutually by both the parties. However, the decision of CEO of ADVI Group and Prof. Rakesh S.G, the Principal of Sir M Visvesvaraya Institute of Technology, Hunasamaranahalli, Bengaluru-562157 as agreed upon will be final & binding.

#### **VALIDITY:**

This agreement of co-operation is valid for duration of three years (3 years) with effect from the date of signing of the agreement of co-operation and may be renewed with mutual consent thereafter. Either party can cancel or terminate this agreement unilaterally without assigning any reason by giving an advance notice of 30 days to the other party.





Sir M. Visvesvaraya Institute Of Technology,  
Hunasamaranahalli, Bengaluru-56



VMMJ+389, Choodasandra, Bengaluru,  
Karnataka 560035

The Memorandum of Understanding shall come into effect from **06.01.2023**

In witness where the parties have set their hands here to on the day & year written above under their representative seal of office.

For: **Sir M Visvesvaraya Institute of Technology**

For: **ADVI GROUP**

06/01/2023

Name: **Prof. Rakesh S.G.**

Designation: **Principal**

Date: 06.01.2023.

6/1/23

Name: **Sri B. S. Manusudan**

Designation: **CEO-ADVI**

Date: 06.01.2023.

**Witness (Name & Designation)**

1   
6/1/23  
(Dr. Ch. Vani Pragna)  
H.O.D., Dept of MCA

2

3

**Witness: (Name & Designation)**

1   
6/1/23  
[L. A. Lalitha]

2

3

ORIGINAL

# Power Research & Development Consultants Pvt. Ltd.

# 5, 11th Cross, 2nd Stage, West of Chord Road, Bengaluru, India - 560086.

Tel: +91-80-4245 5555 | 6715 6100 | Ext: 211

Fax: +91 - 80 -23192210

Website: [www.prdcinfotech.com](http://www.prdcinfotech.com)



SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY  
Krishnadevarayanagar, Hunasamaranahalli, International Airport Road,  
Bangalore-562157.

(Affiliated to Visvesvaraya Technological University, recognized by AICTE & Accredited  
National Board of Accreditation New Delhi, An ISO 9001:2008 Certified institution)

Phone: 080-28467248, 28477024/25/26 Fax:080-28467081

Email:[principal@sirmvit.edu](mailto:principal@sirmvit.edu), [sirmvitbgl@gmail.com](mailto:sirmvitbgl@gmail.com)



## MEMORANDUM OF UNDERSTANDING (MOU)

BETWEEN

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY,  
KRISHNADEVARAYA NAGAR, HUNASAMARANAHALLI,  
INTERNATIONAL AIRPORT ROAD,  
BENGALURU-562157

AND

POWER RESEARCH AND DEVELOPMENT  
CONSULTANTS PRIVATE LIMITED,  
BANGALORE-560086

SEPTEMBER 2019



# Memorandum of Understanding

This MEMORANDUM OF UNDERSTANDING ("MOU") is made on this 20<sup>th</sup> day of September, 2019

BY AND BETWEEN

**SIR M Visvesvaraya Institute of Technology**, through its Principal

**Dr. V R Manjunath** having its office at Hunasamaranahalli, Bangalore-562157 (hereinafter referred to as "SIR MVIT" which expression shall, unless excluded by or represent to the context be deemed to include its successors in office and assigns) of the ONE PART.

AND

**Power Research and Development Consultant Limited** a company incorporated under the Companies Act, 1956 through its Managing Director **Dr. R Nagaraja** having its registered office at # 5, 11<sup>th</sup> Cross, 2<sup>nd</sup> Stage, West of Chord Road, Bangalore-560086. (hereinafter referred as "PRDC" which expression shall, unless excluded by or represent to the context, be deemed to include its successors, executors, administrator, heirs, representatives and assigns) of the OTHER PART.

WHEREAS:

- A. In this MOU, SIR MVIT AND PRDC shall be referred to individually as "Party" or collectively as "Parties"
- B. This MOU is a statement of joint interest of both parties on the "Student Program" on nonbinding, non-obligation basis unless and otherwise specifically mentioned.
- C. PRDC involved in the development of software and consultancy as keeping the validation environment running smoothly.
- D. SIR MVIT is a registered college under Visvesvaraya Technological University, Belagavi running an engineering college and providing formal education of engineering to its Students as per, AICTE requirement and guidelines.
- E. SIRMVIT and PRDC wishes to enter into an informal, non-obligation and non-binding tie up with each other to give the Students of SIR MVIT an opportunity to learn and work (hereinafter referred to as "Students")

NOW, THEREFORE, the parties have come to the following understanding:

1. The purpose of this MOU is to establish a collaborative relationship between the parties in general terms for the purpose of "Student Program"
2. Prior to this MOU, the parties have not entered into any MOU which may require some amendments based on this MOU
3. PRDC shall provide the opportunity to the selected Students of SIR MVIT to work on temporary basis, subject to PRDC's policies and business requirement. The selection process shall be sole PRDC's discretion.

4. The selected Students shall get to work at PRDC on various projects or technologies depending upon the business requirement of PRDC from time to time. The selected Students shall be provided a rewarding experience with training on proactive engineering and incident management in a fast and complex paced environment. The Students shall get the opportunity to automate processes, test and implement their ideas under the supervision and as per the permission of the PRDC authorized personnel. At the completion of their academic course, Students would have gained a rounded experience in technology and corporate culture which is likely to provide them an invaluable advantage in today's competitive job market.

5. PRDC's role

- a. PRDC shall invest time in preparing adequate trainings and tools to help the students integrate into the work environment. Senior engineers/Authorized employees of PRDC shall provide mentoring and shadowing support to guide the students
- b. Students shall have access to PRDC's lab which can be used for testing and working on Power System related projects
- c. PRDC shall work with SIR MVIT on the internship schedules for students, wherever required based on availability of resources.
- d. Internship schedule shall be determined on the basis of students availability to ensure high commitment on attendance
- e. A representative from PRDC shall work with a point of contact from SIR MVIT to ensure this opportunity is meaningful for the Students
- f. Students Internship: Selected Student's Internship with PRDC shall be subject to PRDC's guidelines, which may undergo a change based on PRDC's discretion based on business requirements from time to time.
- g. Students may be considered for permanent positions on successful completion of their course, based on student's performance. PRDC's policies, business and hiring requirements.
- h. Provide free access to knowledge resources of the Institute to the Industry and vice versa based on mutually agreed term for each specific case.
- i. Pool up the knowledge and expertise of the technical people of the industry and the Department of Electrical and Electronics Engineering, Sir MVIT for mutually agreed execution of joint ventures/activities. Any publication resulting from such joint venture shall be acknowledged with names of those associated with Sir MVIT and PRDC
- j. Collaborative training program for students based on mutually agreed academic modules to be developed.

6. SIR MVIT's Role

SIR MVIT shall nominate a Professor/Guide from SIR MVIT. The role of this Guide will be as follows:



a. Counsel and support Students

- i. Counsel and support Students to gain the maximum from this opportunity
- ii. Helps Students link and balance their studies and work.
- iii. To support students with the domain expertise

b. Partner with PRDC and help sustain the program

- i. Provide regular feedback regarding the program: Have quarterly meetings with the manager/point of contact from PRDC so as to help PRDC continue to make the work meaningful for the student.
- ii. Provide Document/Process related support regarding student course schedules as well as confirmation of Students continued association with SIR MVIT

7. Expectations from students

SIR MVIT shall provide its assistance to PRDC by guiding and mentoring its Students to achieve the objective of this MOU in best possible manner. Some of the expectations from the students by PRDC will be

a. Students will be expected to follow PRDC's guidelines and demonstrate PRDC's values

- i. Students must familiarize themselves with PRDC Code of Conduct and other policies to ensure that their conduct is aligned with those all times while at PRDC

b. Students should give adequate notice to the Manager in case of requiring any changes to the work schedules.

c. Students are expected to be compliant with PRDC information Security Policy:

- i. Confidentiality-Information placed in their custody will be disclosed only to those authorized, whether internal or external
- ii. Integrity- Students must ensure that information placed in their custody is modified or destroyed only by those authorized
- iii. Availability - Students must ensure that information placed in their custody is available to those who need it, when they need it.
- iv. The more sensitive or critical the information, the more care they must exercise in protecting it.

8. The terms of this MOU are statements of intent only and are intended only to provide the general principles and key term for initial cooperation, understanding and

negotiation between the Parties. This is not a binding agreement between the parties and does not contain all matters upon which agreement must be reached in order for any transaction between the Parties to be consummated. This MOU does not constitute an offer, binding commitment or obligation on either Party, nor shall it be construed as creating a contract or deemed to be a contract of any nature and under no circumstances and no legally binding agreement shall exist until both parties have negotiated, prepared and executed separate individual written agreement(s) establishing the binding obligations of the Parties as approved by each party's management and legal entities. PRDC shall not be under any obligation to ensure performance commitment under this MOU

9. Except as required by law, no press release or other statements in connection with work performed under this MOU intended for use in the public media, having or containing any reference to PRDC or Institute shall be made without approval of PRDC. The basic information of the company relating to name, address, business information in short, which is available in public domain may be disclosed. But any confidential information shared, project report details etc shall not be disclosed.

10. Nothing in this MOU shall mean or shall be construed to mean that either Party is at any time precluded from having similar arrangements with any other person or third party, subject always to maintaining confidentiality obligations stated herein.

11. In no event shall either Party be liable to the other for any damages including, without limitation, direct, speculative, indirect, incidental, special or consequential damages in connection with this MOU.

12. Except as may be otherwise stated in this MOU, each Party will be responsible for its own expenses in connection with all matters relating to this MOU. In no event shall either Party be liable to the other for any damages of any kind whatsoever (even if such Party has been advised of the possibility of such losses or damages) based upon or arising out of either Party's performance of or failure to perform the activities described herein, except for any damages arising from any breach of the non-disclosure provisions herein.

13. The Parties disclaim all warranties of any kind (including all express, implied and statutory warranties, and all conditions of merchantability, fitness for particular purpose, and any warrant of non-infringement of any intellectual property of any third party) in connection with this MOU and any related products, technologies, or services. Each party shall be solely responsible for the quality, warranty and functionality of its own products and services.

14. **This MOU will be valid for 3 years from the date of signing and may be extended on mutual consent in writing between the parties or until it is terminated by one of the Parties. Either Party may terminate this MOU at any time for any or no reason upon 30 days written notice to the other Party, or immediately if a Party has failed to cure a material breach of this MOU 10 days after receiving written notice of such breach.**



15. Under This MOU either Parties has not granted the other Party any license or other right to any trademarks, logos or other intellectual property of the other Party, and use of any such other Party's intellectual property must be governed by a separate trademark license agreement.

16. This MOU shall be governed by and construed in accordance with the laws of India. Both the parties irrevocably submit to the exclusive jurisdiction of the Courts in Bangalore, for any action or proceeding regarding this MOU.

17. The Parties are independent contractor, and no agency, partnership, joint venture or employee-employer relationship is intended or created by this MOU. Neither Party will make any warranties or representations on behalf of the other.

18. This MOU sets forth the entire and final understanding and agreement of the Parties, and supersedes any all oral or written agreements or understandings between the Parties, as to the subject matter hereof. No amendments or modifications shall be effective unless in writing and signed by authorized representatives of both Parties. The waiver of a breach of any provision of this MOU will not operate or be interpreted as a waiver of any other or subsequent breach. No right, duty or obligation under this MOU may be assigned, delegated factored or subcontracted in any manner by either Party without the other Party's prior written consent, except that PRDC may assign its rights or delegate its duties to one or more direct or indirectly owned subsidiaries of PRDC:.

19. All notices shall be directed in writing to the address aforesaid of the parties

IN WITNESS WHEREOF, the parties have caused this MOU to be executed by their duly authorized representatives on the date first set forth above



IN WITNESS WHEREOF, the parties have caused this MOU to be executed by their duly authorized representatives on the date first set forth above

FOR AND ON BEHALF OF SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

By

Dr. V R Manjunath,  
Principal  
SIR MVIT, Bengaluru-562157

Signature

  
**PRINCIPAL**  
**Sir M.V.I.T., Bangalore-562157.** 21.07.19  


WITNESSES:

1. Dr. H L Suresh  
Professor & Head, Department of EEE  
SIR MVIT, Bengaluru-562157
2. Dr. M S Suresh  
Associate Professor, Department of EEE  
SIR MVIT, Bengaluru-562157

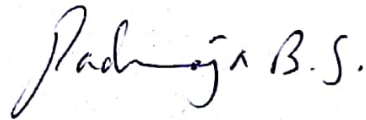



FOR AND ON BEHALF OF POWER RESEARCH AND DEVELOPMENT CONSULTANT LIMITED

By   
Dr. R Nagaraja,  
Founder & Managing Director  
PRDC, Bangalore



WITNESSES:

1. PADMASA B.S. 
2. ARYESH . N 



Ref: PRDC/OFFER/2019-20

Date: 2<sup>nd</sup> July, 2019

Dear Ragala Chethan

**Congratulations!**

Welcome to the PRDC family.

PRDC provides better career opportunity and growth for PRDCians and we sincerely believe that you will also grow with our company and build a successful profession.

We are delighted to inform that you have been chosen to be a part of our team. We are pleased to offer you the position of **Engineer** on the following terms and conditions

- 1) It has been decided to offer you the Annual CTC of Rs. **3, 20, 000 (Rupees Three lakhs and Twenty Thousand only)**.
- 2) Your reporting date will be informed by 2<sup>nd</sup> week of July 2019.
- 3) You will be on probation for **12 months** from the date of joining which may be extended at the discretion of the company.
- 4) You will sign an agreement with us for a period of **30 months** which includes your training period and probationary period.
- 5) In order to comply with the company's Policies and Procedures, please bring the following originals along with a set of photo copies at the time of joining:
  - ✓ Completed Educational and Professional certificates (Original with photo copy) for verification
  - ✓ Relieving letter / Experience letter from pervious employers (if any)
  - ✓ Personal documents like Aadhar, Pan, DL, Voter ID, Address proof with photocopies
  - ✓ Your previous PF / ESI account detail and related documents (in case you were working)
  - ✓ 6 Passport size photos for our records and bank application form
  - ✓ Two reference letters only from your college HOD, Professors / Lecturers indicating your Conduct for the past four years

The other terms of the organization will be indicated in detail in the letter of appointment.

We are confident that you will build a long term association with us which would be memorable & mutually rewarding.

With Regards,  
for Power Research & Development Consultants Pvt Ltd.

  
Mamatha Nagaraja  
Director, Human Resources

\_\_\_\_\_  
I agree

### Job Announcement Form - 2020 – BE (EEE)

|   |  |                                  |           |
|---|--|----------------------------------|-----------|
| <b>Name of the Organization</b>   | <b>Power Research &amp; Development Consultants Pvt. Ltd,</b><br>#5, 11th Cross, 2nd Stage,<br>West of Chord Road, Bengaluru – 560086, India   |                                  |           |
| <b>Website URL</b>  | <a href="http://www.prdcinfotech.com">www.prdcinfotech.com</a>   |                                  |           |
| <b>Contact person</b>   | Ananda Kumar, Senior Manager, Human Resources  |                                  |           |
| <b>Contact numbers</b>  | +91 80 4245 5555 / 6715 6100   |                                  |           |
| <b>Mail ID</b>  | <a href="mailto:hr@prdcinfotech.com">hr@prdcinfotech.com</a>   |                                  |           |
| <b>Sector</b>   | Power systems Consultancy & product development  |                                  |           |
| <b>Category</b>   | Private company  |                                  |           |
| <b>Eligibility</b>  |  |                                  |           |
| <b>SSLC / X</b>   | 70%  | <b>PUC / XII / Diploma (EEE)</b> | 70%       |
| <b>Bachelors of Engineering</b>   | Electrical and Electronics with minimum 70% with no back logs in any semester  |                                  |           |
| <b>Selection Procedure</b>  |  |                                  |           |
| <ol style="list-style-type: none"> <li>Online exam on core electrical subjects with basics in software and aptitude for 100 minutes.</li> <li>The exams shall be taken by the students in their respective colleges under the supervision of the TPO.</li> <li>Shortlisted students shall have a telephonic interview on core technical subjects.</li> <li>Those selected in the telephonic interviews shall be invited for the face to face interview at our PRDC Office at Bengaluru for further technical and HR round.</li> </ol> |  |                                  |           |
| <b>Job Profile</b>  |  |                                  |           |
| <b>Job Title</b>  | Engineer   | <b>Work location</b>             | Bangalore |
| <b>Probationary period</b>  | 12 months (training period)  |                                  |           |
| <b>Service agreement</b>  | <b>30 months</b>   |                                  |           |
| <b>Salary</b>   | 3.2 LPA (Rupees Three Lacs and Twenty thousand only)   |                                  |           |
| <b>Department</b>   | <ul style="list-style-type: none"> <li>– Power System Studies</li> <li>– Software</li> </ul>   |                                  |           |
| <b>Why PRDC</b>   | <ul style="list-style-type: none"> <li>– PRDC® a core domain company is specialized in providing engineering consultancy services for power system analysis, power evacuation studies, network simulation and design.</li> <li>– MiPower™ - Power System Simulation software a flagship product developed by our experts, caters to the needs of planning, operations and protection engineers in the power utilities while exclusively supporting the needs of researchers in power domain.</li> <li>– Over the past decade, PRDC® has established a unique reputation as world-class hardware design and embedded software development partner for industry leader.</li> <li>– PRDC is a recognized research center under VTU, Belgaum and we offer both post graduate and doctoral degree programs (M.Sc Engg. &amp; Ph.D.)</li> <li>– Employee friendly Policies &amp; benefits (apart from CTC) that include Medi-claim Insurance, Personal Accident Coverage, Gratuity.</li> </ul> |                                  |           |



| Timestamp          | Score | USN        | College                     | Student Name           |
|--------------------|-------|------------|-----------------------------|------------------------|
| 7/10/2021 14:32:13 | 0     | 1MV17EE096 | Sir M VIT                   | Walusha Awnoory        |
| 7/10/2021 14:51:27 | 0     | 1MV17EE046 | Sir M Visvesvaraya Institu  | Navya Shree A          |
| 7/10/2021 14:53:00 | 0     | 1MV17EE065 | Sir Mvit                    | SACHIN KOPPAD          |
| 7/10/2021 14:55:01 | 0     | 1MV18EE414 | SIR M VISVESVARAYA II       | PRAVEEN R              |
| 7/10/2021 14:55:31 | 0     | 1MV17EE013 | Sir M VISVESVARAYA IN       | Arcilla Breena Pinto   |
| 7/10/2021 14:58:50 | 0     | 1MV17EE020 | SIR MVIT Bangalore          | CHAITHRA G M           |
| 7/10/2021 15:00:37 | 0     | 1MV17EE027 | Sir M Vishweshwaraya ins    | Giri Varshini H S      |
| 7/10/2021 15:09:14 | 0     | 1MV17EE089 | SIR M VISVESVARAYA II       | VAISHALI SAHA          |
| 7/10/2021 15:15:53 | 0     | 1MV17EE047 | Sir. M Visvesvarayya of In  | Nayana N               |
| 7/10/2021 15:16:59 | 0     | 1MV17EE037 | SIR MVIT                    | Manoj M                |
| 7/10/2021 15:17:11 | 0     | 1MV17EE037 | SIR MVIT                    | Manoj M                |
| 7/10/2021 15:17:49 | 0     | 1MV17EE019 | SIR.MVIT                    | BHAVANA G              |
| 7/10/2021 15:24:47 | 0     | 1MV18EE406 | Sir MVIT, Bangalore         | DIKSHITHA K            |
| 7/10/2021 15:39:57 | 0     | 1MV17EE009 | Sir Mvit                    | Aniket Kumar           |
| 7/10/2021 15:48:58 | 0     | 1MV17EE086 | Sir M Visvesvaraya institu  | Tarun Y N              |
| 7/10/2021 15:53:11 | 0     | 1MV17EE038 | SIR M VISVESVARAYA II       | MANOJKUMAR PG          |
| 7/10/2021 16:00:24 | 0     | 1MV17EE012 | Sir M Visvesvaraya Institu  | Aparna S               |
| 7/10/2021 16:06:20 | 0     | 1MV17EE044 | Sir MVIT                    | Naveenkumar K Guravanr |
| 7/10/2021 16:25:47 | 0     | 1MV17EE061 | Sir M Visvesvaraya institu  | Rakshitha B H          |
| 7/10/2021 17:38:32 | 0     | 1MV17EE054 | Sir M Visvesvaraya Institu  | Pavan Kumar N          |
| 7/10/2021 18:11:34 | 0     | 1MV17EE061 | Sir M Visvesvaraya institu  | Rakshitha B H          |
| 7/10/2021 18:16:09 | 0     | 1MV17EE061 | Sir M Visvesvaraya institu  | Rakshitha B H          |
| 7/10/2021 20:36:09 | 0     | 1MV17EE060 | SIR M VISHWESHWARA          | RAKSHITH GOWDA N B     |
| 7/10/2021 21:30:12 | 0     | 1MV17EE093 | SIR MVIT                    | VINIT BURAD            |
| 7/10/2021 21:35:52 | 0     | 1MV17EE071 | Sir MVIT College            | Shivam Bhardwaj        |
| 7/11/2021 8:52:54  | 0     | 1MV18EE417 | Sir MVIT                    | RAKESH D S             |
| 7/11/2021 10:35:42 | 0     | 1MV18EE403 | SIR M VISVESVARAYA II       | BHAVANA P              |
| 7/11/2021 11:03:50 | 0     | 1MV17EE058 | Sir M. Visvesvaraya institu | Prerana N S            |
| 7/11/2021 11:28:08 | 0     | 1MV17EE088 | Sir M Visvesvaraya Institu  | Umme Kulsoom           |
| 7/11/2021 11:46:24 | 0     | 1MV17EE081 | Sir M VISVESVARAYA IN       | Sushma N               |
| 7/11/2021 18:14:02 | 0     | IMV17EE056 | Sir M Visvesvaraya Institu  | Pavan Kumar H          |

| Gender | B.Tech/B.E Score             | II PUC Score    | X Std. Score     |        |
|--------|------------------------------|-----------------|------------------|--------|
| Female |                              | 8.23            | 90.4             | 8      |
| Female |                              | 7.44            | 80               | 70     |
| Male   |                              | 8               | 85.5             | 92.48  |
| Male   | 7.3 cgpa                     | 71.95 (diploma) |                  | 82.88  |
| Female |                              | 84%             | 91%              | 94.24% |
| Female | Electrical and electronics E |                 | 90.06%           | 88.60% |
| Female |                              | 82%             | 87%              | 88%    |
| Female |                              | 83.22           | 92.7             | 9.6    |
| Female |                              | 8.5             | 84.5             | 81.44  |
| Male   |                              | 7.4             | 88.90%           | 93.60% |
| Male   |                              | 7.4             | 88.90%           | 93.60% |
| Female | 8 CGPA                       |                 | 79.00%           | 89.12% |
| Female |                              | 8.1             | 76.54            | 84.16  |
| Male   |                              | 7.5             | 63%              | 7.8    |
| Male   |                              | 7.8             | 73               | 80     |
| Male   |                              | 8.3             | 84.3             | 93.7   |
| Female |                              | 8.3             | 88               | 92.64  |
| Male   |                              | 7.45            | 87               | 7.4    |
| Female |                              | 8.5             | 81.5             | 86.08  |
| Male   |                              | 9.3             | 90.2             | 91.2   |
| Female |                              | 8.6             | 81.5             | 86.08  |
| Female |                              | 8.6             | 81.5             | 86.08  |
| Male   |                              | 76.5            | 88.5             | 92     |
| Male   |                              | 73              | 77               | 86     |
| Male   |                              | 78%             | 72.30%           | 95%    |
| Male   |                              | 7.1             |                  | 7      |
| Female |                              | 8.3             | 76.02% (Diploma) | 72.96% |
| Female | 8.12 CGPA / 73.7%            |                 | 89.33%           | 92%    |
| Female | 8.54 CGPA                    |                 | 91.67%           | 93.92% |
| Female | 8.1 CGPA                     |                 | 82.66%           | 85.92% |
| Male   | 7.87CGPA                     |                 | 90.66%           | 86.24% |



| E-mail id                  | Mobile Number | Date of Birth(DD/MM/YYYY | Native address              |
|----------------------------|---------------|--------------------------|-----------------------------|
| walushaaun@gmail.com       | 9483593293    | 18/11/1999               | M-5/13, Vidyanagar, Torar   |
| navyashreea17@gmail.co     | 9886067110    | 18/03/1999               | #446, 8th Cross, 13th Mair  |
| sachinkoppad111@gmail.     | 8618365275    | 11/01/1999               | Bagalkot                    |
| praveenr1998.01@gmail.c    | 9739141418    | 01/12/1999               | No 9, 11th cross addigana   |
| arcillapintoarci@gmail.com | 8495834524    | 15/08/1999               | 1st cross , Suraj Mal encla |
| chaithramuniraj5@gmail.c   | 8217482958    | 15/05/2000               | Gentiganahalli ,kalavra (P  |
| hsgirivarshini@gmail.com   | 9113844352    | 21/06/1999               | Honnampalli (V), Bagepall   |
| vaishalisaha1998@gmail.    | 9739814406    | 14/11/1998               | FLAT NO. 108, HOYSALA       |
| nayanamn22@gmail.com       | 9880685208    | 16/09/1999               | #142A, THALAKAVERY L.       |
| manojmuniraju10@gmai.c     | 8310903162    | 18/10/1997               | Doddaballapur               |
| manojmuniraju10@gmai.c     | 8310903162    | 18/10/1997               | Doddaballapur               |
| bhavanag322@gmail.com      | 09663335858   | 03/02/2000               | 14,1st A cross, MS PALYA    |
| dikshitha.kj@gmail.com     | 9743900150    | 17/08/1999               | Vinayaka Nagar, yerringali  |
| w.aniket009@gmail.com      | 7301525163    | 28/12/1999               | Bihar                       |
| sudeetarun7@gmail.com      | 7483669274    | 01/01/2000               | Beerganahalli, yediyur kur  |
| panjinimanojkumar@gmai     | 7204424756    | 23/05/1999               | 959, kuchhappapet , Dodd    |
| aparnagowda9929@gmail      | 8105501885    | 02/11/1999               | Door no:467, Bajane mane    |
| guravannavarnaveen@gr      | 9731198780    | 15/8/1999                | At post belkud.,tq chikkodi |
| rakshithabh6@gmail.com     | 9113847628    | 06/05/1999               | 2nd main,6th C cross Han    |
| pavankumar77n@gmail.c      | 9845370412    | 07/01/1999               | Bangalore                   |
| rakshithabh6@gmail.com     | 9113847628    | 06/05/1999               | 2nd main,6th C cross Han    |
| rakshithabh6@gmail.com     | 9113847628    | 06/05/1999               | 2nd main,6th C cross Han    |
| rakshithgowdanb147@gm.     | 8792224229    | 23/06/1999               | #69, 2nd main srinivasa ga  |
|                            | 9214884184    | 20/09/1998               | G 102/11 B SHYAM VIHA       |
| shivam.aryan141298@gm      | 07903679399   | 14/12/2000               | Krishna Niketan campus k    |
| rakeshds726@gmail.com      | 6363251635    | 10/02/2000               | Mandya                      |
| bhavananayaka122@gma       | 8792333761    | 01/02/2000               | Bangalore                   |
| prerana99.ns@gmail.com     | 9902679092    | 03/03/1999               | Qtrs no. 325 GC CRPF TY     |
| ummekulsoom640@gmail       | 9663508677    | 04/11/1999               | Kousar Nagar, BB Road, C    |
| sushmapoornima78@gma       | 9972645792    | 14/01/2000               | #20, 3rd cross, 8th main, E |
| pavanh42@gmail.com         | 7019448253    | 08/10/1999               | Escaurt Engineer's layout,  |

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### Job Announcement Form - 2022 – BE (EEE)

|  |   |                                  |           |
|--|---|----------------------------------|-----------|
| <b>Name of the Organization</b>  | <b>Power Research &amp; Development Consultants Private Limited</b><br>#5, 11th Cross, 2nd Stage,<br>West of Chord Road, Bengaluru – 560086, India  |                                  |           |
| <b>Website URL</b>   | <a href="http://www.prdcinfotech.com">www.prdcinfotech.com</a>  |                                  |           |
| <b>Contact person</b>  | Human Resources   |                                  |           |
| <b>Contact numbers</b>   | +91 80 4245 5555  |                                  |           |
| <b>Mail ID</b>   | <a href="mailto:hr@prdcinfotech.com">hr@prdcinfotech.com</a>  |                                  |           |
| <b>Sector</b>  | Power Consultancy   |                                  |           |
| <b>Category</b>  | Private company   |                                  |           |
| <b>Eligibility</b>   |   |                                  |           |
| <b>SSLC / X</b>  | 60%   | <b>PUC / XII / Diploma (EEE)</b> | 60%       |
| <b>Bachelors of Engineering</b>  | Electrical and Electronics with minimum 65 % with no back logs  |                                  |           |
| <b>Selection Procedure</b>   |   |                                  |           |
| <ol style="list-style-type: none"> <li>1. Online exam on core electrical subjects with basics in software and aptitude for 90 minutes</li> <li>2. The exams will be taken by the students in their respective colleges under the supervision of the TPO</li> <li>3. Shortlisted students will have a telephonic interview on core technical subjects</li> <li>4. Those selected in the telephonic interviews will be invited for the interview for further technical and HR round</li> </ol> |   |                                  |           |
| <b>Job Profile</b>   |   |                                  |           |
| <b>Job Title</b>   | Engineer  | <b>Work location</b>             | Bengaluru |
| <b>Probationary period</b>   | 12 months (training period)   |                                  |           |
| <b>Service agreement</b>   | 30 months by executing Service agreement  |                                  |           |
| <b>Salary</b>  | 3.2 LPA   |                                  |           |
| <b>Department</b>  | Power System Studies / Software   |                                  |           |
| <b>Why PRDC</b>  | <ul style="list-style-type: none"> <li>– PRDC® a core domain company is specialized in providing engineering consultancy services for power system analysis, power evacuation studies, network simulation and design</li> <li>– MiPower™ - Power System Simulation software a flagship product developed by our experts, caters to the needs of planning, operations and protection engineers in the power utilities while exclusively supporting the needs of researchers in power domain</li> <li>– Over the past decade, PRDC® has established a unique reputation as world-class hardware design and embedded software development partner for industry leader</li> <li>– PRDC is a recognized research center under VTU, Belgaum and we offer both post graduate and doctoral degree programs (M.Sc Engg. &amp; Ph.D.)</li> <li>– Employee friendly Policies &amp; benefits (apart from CTC) that includes - Medi-claim Insurance, Personal Accident Coverage, Gratuity</li> </ul> |                                  |           |

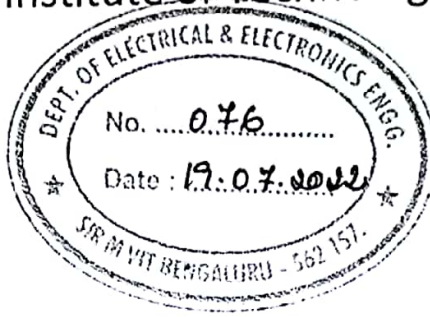


**Power Research & Development Consultants Private Limited**  
 #5, 11<sup>th</sup> Cross, 2<sup>nd</sup> Stage, West of Chord Road, Bangalore –560086  
 Phone No: +91-80- 4245 5555; Fax: +91-80-4245 5556  
 E-mail: [hr@prdcinfotech.com](mailto:hr@prdcinfotech.com); Website: [www.prdcinfotech.com](http://www.prdcinfotech.com)

| USN        | Name                | College  |
|------------|---------------------|--|
| 19BTREE004 | Jeet Kumar          | School of Engineering & Technology             |
| 19BTREE036 | Md Mohtamim Hossain | School of Engineering & Technology             |
| 19BTREE011 | Shriram             | School of Engineering & Technology             |
| 1SV19EE007 | Manu S N            | SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY |
| 1SV19EE011 | Nazmeen Khanum      | SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY |
| 1SV19EE017 | Sultana Khanam      | SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY |
| 1MV19EE037 | HARISH              | Sir M Visvesvaraya Institute of technology     |
| 1MV19EE092 | SOUMICK             | Sir M Visvesvaraya Institute of technology     |
| 1JB19EE024 | NAYANA              | SJB INSTITUTE OF TECHNOLOGY                    |
| 1JB19EE030 | PUNYASHREE          | SJB INSTITUTE OF TECHNOLOGY                    |
| 1JB19EE031 | RANJITHA            | SJB INSTITUTE OF TECHNOLOGY                    |
| 1JB19EE036 | SHASHANK            | SJB INSTITUTE OF TECHNOLOGY                    |
| 1JB19EE048 | THEJASWINI          | SJB INSTITUTE OF TECHNOLOGY                    |
| 1JB19EE052 | VENKATESH C         | SJB INSTITUTE OF TECHNOLOGY                    |
| 1SB19EE006 | LIKITHA             | Sri Sairam College of Engineering              |
| 1SB19EE007 | PAVAN KUMAR         | Sri Sairam College of Engineering              |
| 1SB19EE008 | RAJENDRA            | Sri Sairam College of Engineering              |
| 1SB19EE009 | Roopeshkumar        | Sri Sairam College of Engineering              |
| 1SB19EE016 | UDHAY KIRAN         | Sri Sairam College of Engineering              |
| 19EE029    | Mahaboob            | Sri Siddhartha Institute of Technology, Tumkur |
| 19EE051    | Rohan               | Sri Siddhartha Institute of Technology, Tumkur |
| 19EE063    | Shravana            | Sri Siddhartha Institute of Technology, Tumkur |
| 19ee076    | Veerendra           | Sri Siddhartha Institute of Technology, Tumkur |



Department of Electrical and Electronics Engineering  
Sir M Visvesvaraya Institute of Technology, Bengaluru



19/07/2022

To

Principal  
SIRMVIT  
Bengaluru

Proper Channel

Respected Sir,

Subject: MOU Renewal of SirMVIT\_KSCST IP CELL-Reg.


With reference to the above subject, we like to bring to your kind notice that SirMVIT\_KSCST IP CELL MOU is to be renewed. The MOU between SirMVIT and KSCST was done on 14<sup>th</sup> July 2020, for a time period of 2 years and the renewal is due for this month.


We have already initiated the process of renewal of MOU with KSCST and they have agreed for the renewal for 3 years of period. As MOU done earlier, MOU should be done on RS 100 (exclusive of Service charge) E Stamp.

In this regard kindly give permission to renew the MOU and sanction amount of Rs 200/- towards the E Stamp and bond sheets.

Looking forward for your kind approval and needful.

Regards

  
Dr. Mahesh K  
Professor  
Dept of EEE  
SIRMVIT  
Bengaluru.

Forwarded for kind  
consideration.  


Enclosed: Earlier MOU copy of SIRMVIT\_KSCST IP CELL

PROF. & HEAD, 10/7/2022  
DEPT. OF ELECTRICAL ENGG.  
SIR M. VISVESVARAYA INST. OF TECHNOLOGY  
(Krishnadevarayanagar, Hunasamaranahalli)  
(Via) Yelabanka, Bangalore-562 157

Recommended by Dr.

The IPR cell at

our institution is actively conducting many  
events (20+ programs), and facilitating the  
awareness about IPR aspects. This cell  
is a valuable requirement for any higher  
Education Institute, and hence its renewal  
is highly recommended, and the

required amount of Rs 200/-  
may kindly be sanctioned.

  
20/7/2022





सत्यमेव जयते

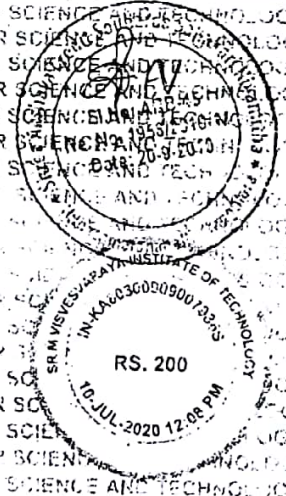
INDIA NON JUDICIAL

Government of Karnataka

Rs. 200

e-Stamp

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY  
 KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY  
**Certificate No.** : IN-KA80300909007986S  
**Certificate Issued Date** : 10-Jul-2020:12:08 PM  
**Account Reference** : NONACC (FI)/kaksfci08/ HUNASAMARANAHALLI/KALBA  
**Unique Doc. Reference** : SUBIN-KAKAKSEGL0863628247812630S  
**Purchased by** : SR M.VISVESVARAYA INSTITUTE OF TECHNOLOGY  
**Description of Document** : Article 12 Bond  
**Description** : MOU BETWEEN KSCST AND SIR M VIT  
**Consideration Price (Rs.)** : 0  
 (Zero)  
**First Party** : KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY  
**Second Party** : SR M-VISVESVARAYA INSTITUTE OF TECHNOLOGY  
**Stamp Duty Paid By** : SR M.VISVESVARAYA INSTITUTE OF TECHNOLOGY  
**Stamp Duty Amount (Rs.)** : 200  
 (Two hundred only)



MEMORANDUM OF UNDERSTANDING BETWEEN



Karnataka State Council for Science and Technology (KSCST), IISc, Bengaluru

AND

Statutory Alert:

1. The authenticity of this Stamp Certificate should be verified at "www.shclrestamp.com". Any discrepancy in the details on this Certificate and as available on the website renders it invalid.
2. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.





Sir M. Visvesvaraya Institute of Technology, Bengaluru

FOR COLLABORATION BETWEEN

Karnataka State Council for Science and Technology  
(KSCST), IISc, BENGALURU

AND

Sir M. Visvesvaraya Institute of Technology, Bengaluru

**Sir M Visvesvaraya Institute of Technology (Sir MVIT)** is an Institute of repute in the state of Karnataka founded by Sri Krishnadevaraya Educational Trust (Sri KET) in 1986 . The institute offers nine B.E. degree programs in Civil, Mechanical, Electrical & Electronics, Electronics & Communication, Computer Science & Engg., Industrial Engineering & Management, Telecommunication, Information Science and Bio Technology and four Masters Programs in Computer Applications, Business Administration, Computer Integrated Manufacturing and Electronics.

The Institute is affiliated to Visvesvaraya Technological University and approved by All India Council for Technical Education, New Delhi and is accredited by National Board of Accreditation, New Delhi. Sir MVIT is an ISO 9001:2008 Certified Institution. Department of Mechanical Engineering, Department of Electrical & Electronics Engineering, Department of Electronics & Communication Engineering and Department of Biotechnology are declared R&D centers by the university.

Sir MVIT is situated on a vast campus of 133 acres on the Bellary road near Air Force station, Yelahanka, close to Bengaluru International Airport (21 km from Bangalore city station). The institute has 2800 students & over 260 well-experienced faculty members, fully equipped labs (including project labs), seminar halls (For each department adequately equipped with multimedia facilities).

With well qualified and motivated faculty, state-of-art laboratory facilities, well-equipped library and high speed Internet browsing center with connectivity and almost 100% placement, it is no wonder that the institute

*H. Kumar*



has been ranked No. 1 among the engineering colleges in the State by the reputed magazine 'Dataquest'. All our departments spread over on 53.8 hectares of greenery and serenity, are well connected by optical fiber backbone network. The Institute has, on its campus, Men's & Women's hostels, 100 bed general hospital, Ladies amenities center, staff quarters, Guest house, Cafeteria, outdoor sports facility spread over 12.1 hectares and an indoor games complex. The Institute power requirements are met by a dedicated HT power connection from BESCO and Captive Power generating units. The institute is connected to all the parts of the city by its own fleet of buses. All the students admitted to the institute are covered by insurance for life and medical care.

The college has a full-fledged training & placement cell headed by an officer with vast experience in HR / HRD matters. Top companies like WIPRO, ADITI TECHNOLOGIES, INFOSYS, COGNIZANT, HP, De-Shaw, TCS, CROMPTON GREAVES, TATA ELXSI, ACCENTURE, ROBERT BOSCH, ITC INFOTECH, HCL Technologies, L&T INFOTECH, CARITOR INDIA, BIRLASOFT, SASKEN, LG SOFT, SONATA SOFT, ACCORD SOFTWARE. HUGHES, CATER PILLAR, SATYAM, MINDTREE, IGATE, IFLEX etc have been conducting campus recruitment in the institute students on continuous basis. Every year around 35 to 40 top companies (including non-IT companies) visit the institute and 90 to 100% students are placed.

This institute is identified by All India Council for Technical Education as a c- Nance training center. Apart from the curricular activities, there are adequate facilities for sports / games, cultural activities.

The vision of Sir MVIT is to become an autonomous Institute and later to be a Deemed University of repute through concerted efforts of our management, faculty and students.

**Karnataka State Council for Science and Technology (KSCST)** was established in the year 1975. It is one of the first State S&T Councils to be set up in the country. KSCST is an autonomous S&T organization under Department of Science & Technology, Government of Karnataka.

During the last 44 years, KSCST has been pro-actively engaging itself to identify, propose and implement S&T based solutions to locale specific needs / problems in the broad areas of Water, Education, Energy, Ecology and Environment, Waste management and Infrastructure. In co-operation with the Indian Institute of Science and several other premier R&D institutions, KSCST executes many projects and programmes aimed at improving socio-economic conditions of the people of the state.





Over the years, a number of technologies have been translated, from research and demonstration phase, to the implementation and operational phase. KSCST provides support to the Central and State Governments, in formulation of S&T based policies, scientific surveys, project implementation, evaluation, co-ordination & monitoring, organization of scientific meets and awareness campaigns. The Department of Science and Technology, Government of India advocated KSCST as a model to all the states.

The Principal, Sir M Visvesvaraya Institute of Technology (Sir MVIT), Bengaluru and the Executive Secretary, Karnataka State Council for Science and Technology (KSCST), Bengaluru have arrived at the agreement for mutual co-operation and collaboration on matters of mutual interest. Hence, this Memorandum of Understanding (MOU).

The following are the terms of agreement:

1. For the purpose of this MOU Karnataka State Council for Science and Technology (KSCST), Bengaluru to provide the legal assistance in matters relating to Intellectual Property Rights on need basis as agreed upon. Sir M Visvesvaraya Institute of Technology (Sir MVIT), Bengaluru shall provide the support in terms of Technical inputs for effective understanding of drafting of patents towards filing of them.
2. The PIC of KSCST would provide assistance for the activities related to:
  - a. Internships, Project (Science, Humanities and Commerce), setting up of an IPR Cell, training personnel on IPR etc.,
  - b. Any other areas of co-operation to be mutually agreed by the parties.
3. KSCST and Sir M Visvesvaraya Institute of Technology (Sir MVIT), Bengaluru may in joint collaboration organize workshops training programme, conduct research activities, involve in publications of books and journals and offer academic course.
4. KSCST may depute qualified officers/ Individuals to sensitize and training the faculties, students and research bodies, in order to create an ecosystem that stimulates innovation and independent thinking to evolve innovative ideas for developing value added products, process or services.
5. The MOU between KSCST and Sir M Visvesvaraya Institute of Technology (Sir MVIT), Bengaluru Shall be supplemented by detailed work plans to be developed jointly which describe more specially the activities to be carried out under this collaborative programme.

H. Kumar —

6. As per needs, the Karnataka State Council for Science and Technology (KSCST) and the Sir M Visvesvaraya Institute of Technology (Sir MVIT), Bengaluru may constitute a Joint Committee to work out the practical problems of collaborations between the two institutions to ensure proper and effective implementation of this MOU.

7. Such details agreed upon will be effective through exchange of letters by the Karnataka State Council for Science and Technology (KSCST) and Sir M Visvesvaraya Institute of Technology (Sir MVIT), Bengaluru and such letters shall form part of this agreement.

#### SCOPE OF THE MOU:

##### KSCST Roles and Responsibilities

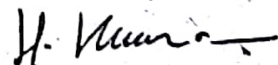
- KSCST may provide technical assistance in securing the registration for IPR.
- There shall be no financial responsibility from the side of the KSCST.
- KSCST may associate with Sir M. Visvesvaraya Institute of Technology (Sir MVIT), in organizing programmes.

##### Sir M Visvesvaraya Institute of Technology (Sir MVIT),

##### Roles and Responsibilities

- Sir M Visvesvaraya Institute of Technology (Sir MVIT), may make available suitable conference rooms and amenities for IPR activities.
- Sir M Visvesvaraya Institute of Technology (Sir MVIT), students may be part of the programs organized in their venue.

This agreement shall be in effect initially for a period of 2 years from the date on which this MOU is signed by both the parties and may be renewed thereafter, if mutually agreed. Either party may terminate the agreement by written notification sent to the proper Officer of the institution. Such notice must be received by either Party within six months prior of the effective termination date.





In witness where off the parties hereto caused this instrument to be executed as of the date, month and year indicated below.

On behalf of the **Sir M Visvesvaraya Institute of Technology (Sir MVIT), Bengaluru**

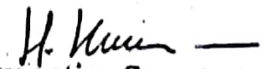


**SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY**  
K. R. Mangalakar, H. S. Rangarajulu,  
International Airport Road, Bangalore-562 157

Sir M Visvesvaraya Institute of Technology

Date: ...14.07.20.....

On behalf of the **Karnataka State Council for Science and Technology (KSCST), Bengaluru,**



**Karnataka State Council for Science and Technology (KSCST) for Karnataka and Bengaluru**  
Executive Secretary,  
Science and Technology  
Indian Institute of Science Campus  
BANGALURU - 560 012

Date: BANGALURU - 560 012  
14/7/2020



## 5 Day Faculty Development Programme on “Intellectual Property Rights “and Inauguration of Sir MVIT - KSCST IP Cell

Dates: 19<sup>th</sup>, 20<sup>th</sup>, 21<sup>st</sup>, 22<sup>nd</sup> & 23<sup>rd</sup> October 2020

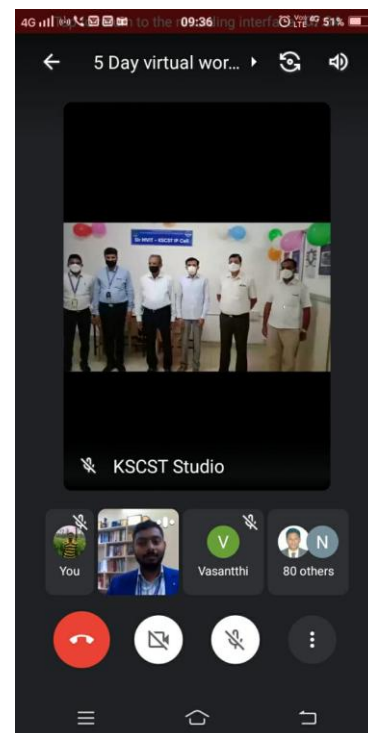
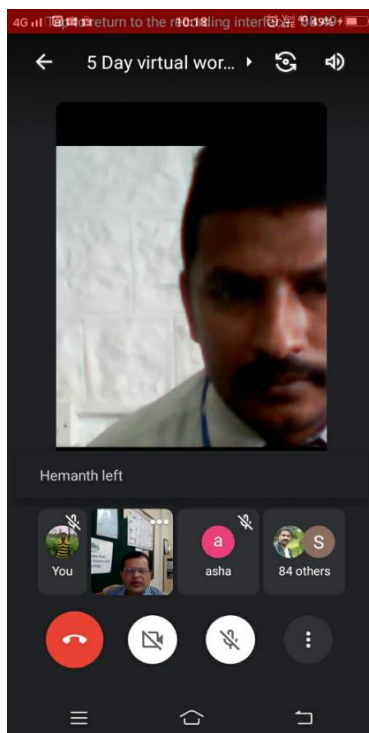
Time: 10-00 am – 11.30 am

### Summary of the Programme:

Compiled by – Dr.Mahesh.K, Professor, EEE dept , SirMVIT.

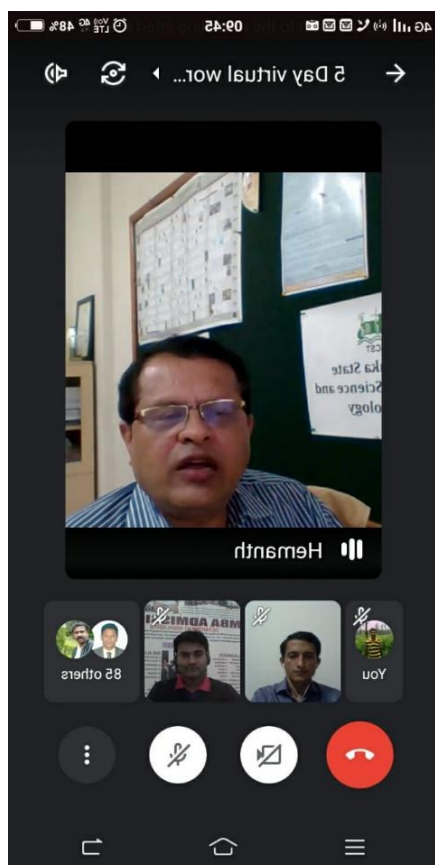
SirMVIT in association with KSCST and CIPAM has organized 5 day Faculty Development programme on Intellectual property Rights and also inaugurated SirMVIT-KSCST IP cell. The Inauguration of SIRMVIT- KSCST IP Cell and National Workshop on significance of IPR was held on 19<sup>th</sup> oct -23<sup>rd</sup> oct 2020 at SirMVIT. The workshop was organised with the motive of spreading the knowledge on the Intellectual Property Rights, its importance and protection and attended by over 120 participants from various educational institutions.

The day 1 workshop began with the invocation song by the students of EEE dept *Ms Pooja* and was followed by the Welcome Address by *Dr.Mahesh K* , professor , EEE dept and IP cell coordinator. He welcomed the Honorable Guests for the workshop and gave a brief introduction on the IPR. The Dignitaries and faculty of the SirMVIT, unfolded the virtual Inauguration of the SirMVIT-KSCST IP Cell, which was attended/ Inaugurated by *Sri K.Syama Raju*, Secretary, Sri Krishnadevaraya Education Trust, *Sri G. Prabhakar Raju*, Academic Chairman, SIRMVIT, *Dr V R Manjunath*, Principal, SIRMVIT , *Dr. H L Suresh*, HOD-Electrical, SIRMVIT , *Dr.Mahesh.K* , Coordinator, SirMVIT-KSCST IP Cell and other dignitaries from college were present.



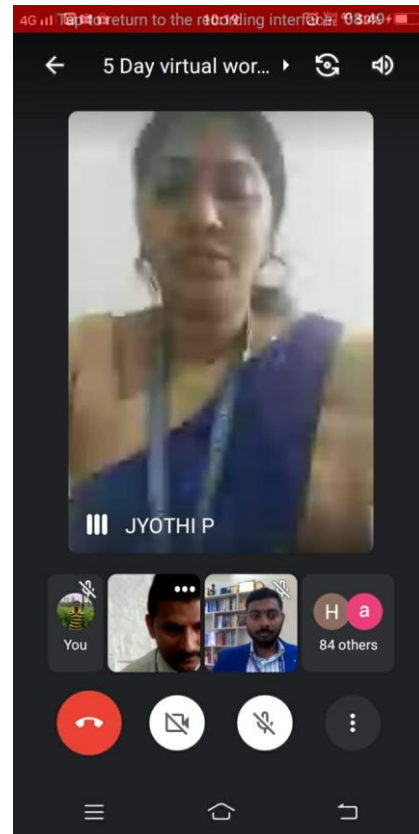
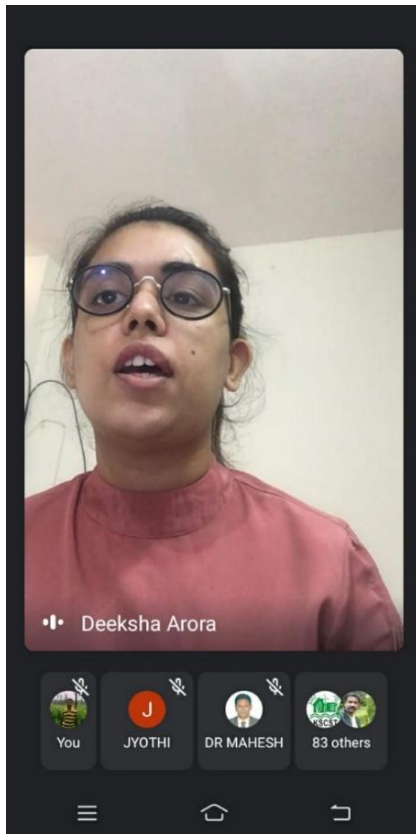


The opening remarks was presented by **Dr H L Suresh**, Prof and HOD of EEE dept, SirMVIT, He enlightened the participants by focusing on the importance of the IP cell in the institution and also explained the importance of the research. The next speaker was **MR. Hemant Kumar H.**, Chief Scientific Officer at Karnataka State Council for Science & Technology. He is currently investigating the Karnataka Natural Data Management (NRDMS). He inspired the audience by sharing his working experience in this field. He elaborated on the policies and technologies being followed by the KSCST. He concluded by sharing his aim to establish 100 IP cells. He also shared that he had been successful to establish 10 cells from 2015. After such an inspiring inauguration, The Academic Chairman of SirMVIT, **Sri G. Prabhakar Raju** congratulated the IP Cell Coordinator's and expressed his insights for such an auspicious day. He stressed on the point: "Every Policy has emphasis on Intellectual Property". He linked the other polices with the Intellectual property, explained the origin of the Intellectual Property Policy and stated its development over time. He concluded by giving suggestions for established the Intellectual Property policy for the IP Cell and gave advice for its smooth administration.



The final taught about this FDP was shared by **Ms Deekash arora**, Coordinator of CIPAM, who is a Legal Trainee in CIPAM at Ministry Of Commerce and Industries and with Cell for Intellectual Property Rights Promotion and Management (CIPAM) team. She started with the background of the IPR policy framed, its vision and mission statement, and its objectives. She elaborated the work of the CIPAM team and awareness programs. He explained the four major sectors such as awareness, enforcement, commercialisation and misc. She concluded with the phrase "Creative India, Innovative India". The last part of the Inauguration was vote o thanks by **Ms Jyothi P**, Asst prof, EEE dept, she thanked all the participants for join the program and thanked all the members of the Management, College,

KSCST and CIPAM for their support to establish the IP Cell.



The first day Technical session of the workshop was addressed by **Dr. Sarasija Padmanabhan**, who is currently an IP Analyst and Patent Agent, and is also working as an Associate Expert in a project with the World Intellectual Property Organisation (WIPO). Her main area of focus was a very interesting topic- Prior art. She first delved into the definition of prior art (any evidence that your invention is already known), and then went on to the objectives and importance of prior art search. She posed interesting questions to the audience and kept them entertained and well-informed by giving illustrative cases such as the “Donald Duck as prior art” case. After that, she applied the theoretical part practically through a series of videos that showcased exactly how to conduct the prior art search which was undoubtedly very useful to the audience.



Day 2 : The technical session was addressed by **Mr. B. Vivek Anand Sagar** who is a consultant and an IPR Attorney in Patent Information Centre, Karnataka State Council for



Science and Technology in IISC Campus, Bangalore. His presentation was full of life, and he did not shy away from having fun with the audience and lightening the mood by adding a few jokes in between. He combined all the points of the previous speakers before him and delivered his own view points in his own unique style. He broached the subject of Traditional Knowledge Digital Library which is an excellent tool to protect the ideas that have been part of the Indian culture since time immemorial. With the help of some fun Trademark Identification games, he engaged the audience fully and gave a fitting summary to all that had been spoken in the workshop.



Day 3: The technical session was addressed by **Mr Nagarjun M G** , is currently working as project associate at Karnataka State Council for Science and Technology (KSCST), IISc campus Bengaluru. Now he has been assigned to coordinate the KSCST - Patent Information Centre (PIC) and Technology and Innovation Support Centre – TISC, WIPO. At PIC he follows up all the Information Education & Communication activities of PIC, IP filings, Establishment of IP Cells, Institutional Policymaking, and other projects and programmes of the Patent Information center. He spoke extensively on the area of patent commercialisation and the different options available to a person once their work is patented.



Day 4: The technical session was addressed by **Mr. M.G. Kodandaram**, IRS, who is an Assistant Director (Retd), Master Trainer of GST for CBIC, GOI and has contributed immensely to the field of training and capacity building. His speech was eloquent and heartfelt as he talked about the negative effects that widespread commercialization of patents has had on humanity. He spoke about how this kind of commercialization has led to the up liftment of individual interest rather than public interest and has propelled humankind to be more and more materialistic each day. Yet, he accepted the fact that this change is now inevitable and is a part of life, and therefore, encouraged everyone to inculcate ethical habits

especially in matters of intellectual property rights. Lastly, he cheered on the spirit of innovation, which is the need of the hour today.



Day 5: The concluding speech of the 5 day FDP was delivered by **Dr. Sanjeeva Kumar Majumdar** is working as Manager in StartUp Activities & Intellectual Property Division of National Research Development Corporation, New Delhi, which is an enterprise of Department of Scientific & Industrial Research under the Ministry of Science & Technology, Government of India. NRDC was created with the mandate to promote and commercialize indigenously developed technologies emanating from various Research Institutes, Universities & Academic Institutions in the Country. He spoke on IP Commercialization& Licensing and Through his speech, he simplified the concepts in a way that was beneficial to the audience. His speech focused around understanding patents, filing and processing of patent application, types of patent applications, filing requirements, procedure and the fees required. Thus, he gave an overview of the entire process of patenting in a simple and profound way.





After the Concluding speech /Session of Dr. Sanjeeva Kumar , we had the quiz for all the participants , were in the quiz had 25 questions , 2 marks each with time limit of 30 minutes for total of 50 marks was conducted . At the end of the day 5, IP cell coordinator **Dr.Mahesh.K** , thanked all the participants for actively involving in all sessions of the 5 day FDP and also thanked the all the speakers for their valuable time and taught to share with all the participants and special thanks to KSCST and CIPAM Coordinator Mr Nagarjun and Deeksha arora for all the support provided for conducting this 5 day FDP on IPR and Thank our Principal and Heads of all the dept of SIRMIVT for their Guidance and encouragement and not forgetting our Management SriKET for providing Finical support for setting up the SIRMVIT-KSCST IP Cell and the 5 day FDP on IPR. The workshop then came to an end and needless to say, it had been a grand success.

More glimpse of workshop :



**SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY**  
Krishnadevarayanagar, Hunasamaranahalli, Yelahanka, International Airport Road., Bengaluru- 562 157  
Phone: 080-28467248, 28477024  
Website: [www.sirmvit.edu](http://www.sirmvit.edu)

## Five days virtual workshop on “Intellectual Property Rights and Inauguration of Sir MVIT - KSCST IP Cell”

**Thank You all for the active participation 🌟**



Meeting details

(42)

Pratima Khandeal 10:48 AM  
No  
It's a well known design

Nandan N 11:00 AM  
NO

Nandan N 11:15 AM  
May I know the maximum time once the patent application submitted??

Nandan N 11:17 AM  
Is there any way to reduce the time of two years of patent process...??

Anima Upadhyay 11:18 AM  
Can 2-3 people jointly file the patent

Pratima Khandeal 11:20 AM  
How long it takes to get design application to complete all associated formalities and get awarded?  
Any maintenance fee to be paid for its life?

Pratima Khandeal 11:21 AM  
Fine. Thank you

Nandan N 11:22 AM  
If the patent filed from college side the Who will benefited...??

Nandan N 11:23 AM  
Thank you Sir

Send a message to everyone

Meeting details

Turn on captions Present now

Type here to search

19:25 21-10-2020

Meeting details

(57)

Experimentation

Halima Jeeish 10:14  
review of papers

Basavarajeshwari Hukarani 10:14  
review of literature

Ravi Parimi 10:15  
And results oriented work

Shiva Kumar 10:15  
Abstract

SIDDAPPAJI M R 10:15  
practical application

Halima Jeeish 10:15  
utility

Shanti Iyer Principal, NSAM FDC Bengaluru 10:15  
Scope of the work

Basavarajeshwari Hukarani 10:15  
problem

Poojashri Shalini 10:15  
innovative ideas

Ravi Parimi 10:15  
Proof of concept??

Shanti Iyer Principal, NSAM FDC Bengaluru 10:15  
Gap to be identified

Send a message to everyone

Meeting details

Turn on captions Present now

Type here to search

10:15 20-10-2020



REC Madihalhi Kodandaram is presenting

meet.google.com/pib-qbys-dzc 10:17 AM

IPR and Cyber interface

M G KODANDARAM, IRS  
ASSISTANT DIRECTOR (Retd) NACIN

Meeting details

Speaker/Headphone (Realtek High Definition A...

10:17 22-10-2020

Feasibility Report of Tribal propo... shikakai powder - Google Search Azacia concinna - Wikipedia WhatsApp Meet - pib-qbys-dzc Department of Tribal Welfare, Ki...

meet.google.com/pib-qbys-dzc

REC

Meeting details

(41)

KIRAN B V 11:57 AM  
VERY... INFORMATIVE SESSION... THANK YOU SIR

Basavarajeshwari Hokarani 12:02 PM  
very informative and inspiring session thank you sir for enlighten us

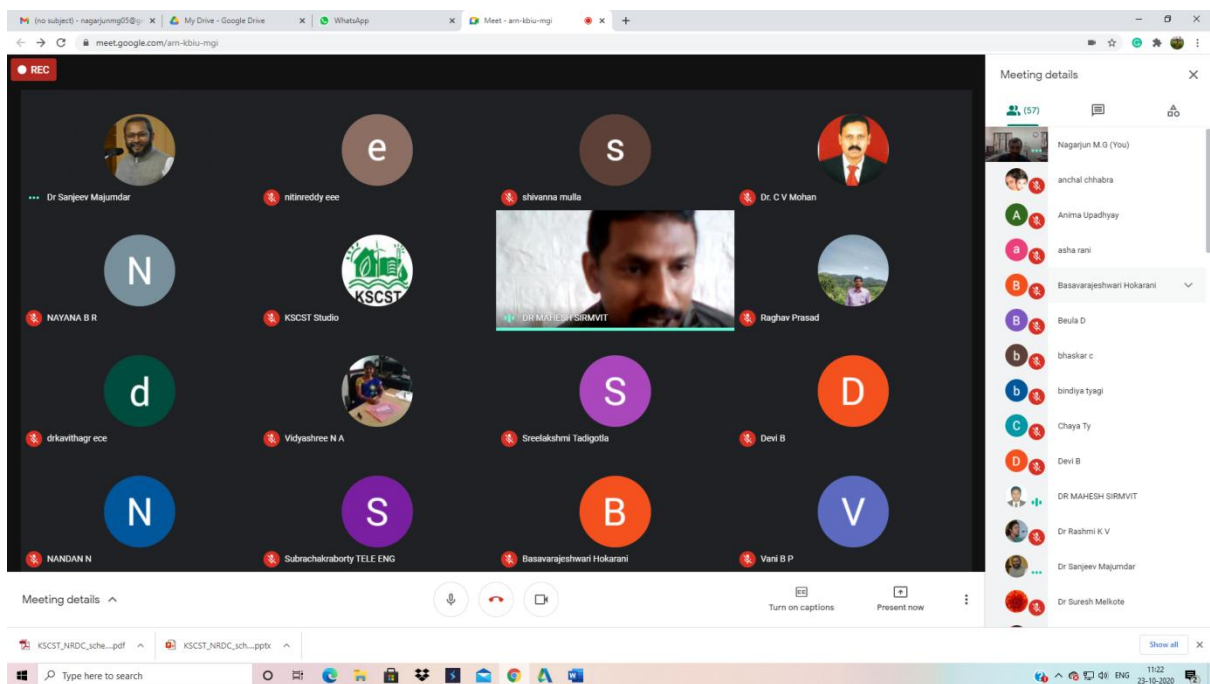
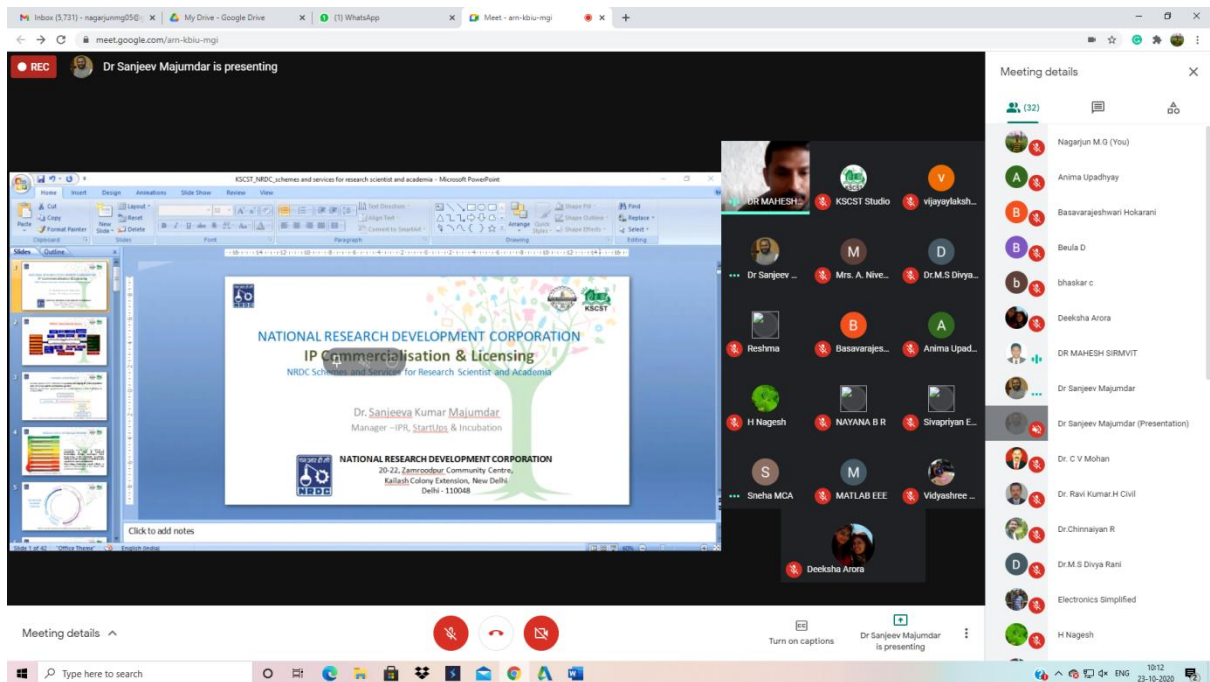
Meeting details

Turn on captions Present now

Send a message to everyone

Feasibility Report...docx

12:08 22-10-2020



Sir.MVIT - KSCST& CIPAM 5 day FDP on IPR Quiz Link: <https://forms.gle/F9weWncqFNJKW5nV8>



## **Report on Intellectual Property Rights (IPR) and IP Management for Start-ups workshop**

**Presentation Topic:** Overview on Intellectual Property Rights (IPR) and IP Management for Start-ups

### **Resource Person:**

**Dr. K. GOPALAKRISHNAN**

Secretary General of University Space Engineering Consortium-India  
Founder and Convener, 75 Students' Satellites Consortium: Mission 2022!

Sir M Visvesvaraya Institute of Technology in association with Institutions Innovation Council, Sir MVIT – KSCST IP CELL and Department of Electrical and Electronics Engineering had organized an workshop on 16<sup>th</sup> July 17, 2021. The Objective of the workshop was to give a general introduction to the concept of Intellectual Property Rights and Their Role in Technology Transfer and Startups to students, Research scholar and faculty

Due to the deadly pandemic spread happening, the workshop was organized online. Dr. Mahesh.K, Professor , EEE dept. and Coordinator of SirMVIT- KSCST IP Cell , Introduced Dr. K. GOPALAKRISHNAN , Speaker , of the workshop to the participant and Highlighted the importance of such workshops. Dr. K. GOPALAKRISHNAN, started is session by giving a brief introduction of the intellectual Property Rights and is importance in Academics, Research and startups. He explained about various types of Intellectual property rights like Patents, Trade Marks, Design, Copy Rights and Geographical Indications. He spoke about the Indian patent and its office in our country and also explained the importance of holding patents in the other countries. He touched up Patent search, IP Filing, process of patent awarding and many more key points about IPR. At the end he instead that all the academic institution to support the talented students, research scholar and faculty to go for IPR and encourage Startups. He did not forget to thank SirMVIT, Management and Principal, for providing an opportunity to be speaker of this workshop. The last 15 minutes of the workshop, QA session was taken up and participants asked their questions and the speaker answered to them all.

Indeed, the workshop was lead to its objective and all the participants thank the speaker for the wonderful session.

The workshop had received 150+ registrations and over 100+ participated in the session.

We would like to thank Sri Krishnadevaraya Trust, SirMVIT IIC, SirMVIT-KSCST IP CELL and Dept of EEE, for providing us an opportunity to organize this workshop.



SHOT ON MI A2  
MI DUAL CAMERA



**SRI KRISHNADEVARAYA EDUCATIONAL TRUST**

# SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi, RECOGNISED by AICTE AND Accredited by NBA & NAAC)  
Krishnadevarayanagar, OFF INTERNATIONAL AIRPORT ROAD, HUNASAMARAHANAHALLI, BENGALURU-562157



## SIR MVIT - KSCST IP CELL

Supported by Patent Information Center  
Karnataka State Council for Science and Technology (KSCST)



IN ASSOCIATION WITH DEPT. OF ELECTRICAL AND ELECTRONICS ENGINEERING

PRESENTS

26<sup>TH</sup>  
APRIL  
2023

# WORLD INTELLECTUAL

THEME  
"CAN DO"  
ATTITUDE OF  
WOMEN  
INVENTORS

ATTRACTIVE  
PRIZES FOR  
WINNERS

PROPERTY RIGHTS DAY

ENTRY  
FREE

EVENTS

● QUIZ ● IDEA SUBMISSION ● ESSAY WRITING

CONVENER

**PROF. RAKESH S.G.**  
PRINCIPAL

FACULTY COORDINATOR

**DR. MAHESH K**  
PROFESSOR DEPT. OF EEE

COORDINATOR

**DR. H. L. SURESH**  
PROF. & HOD OF EEE

STUDENT COORDINATORS

**VAIBHAVI - 8217303579**  
**PUNITH M R - 8951465606**

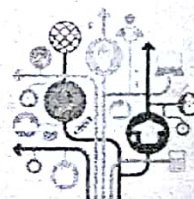


REGISTER

**CERTIFICATES WILL BE PROVIDED FOR ALL QUALIFIED PARTICIPANTS**



**INSTITUTION'S  
INNOVATION  
COUNCIL**  
(Ministry of Education Initiative)



JOIN US HERE





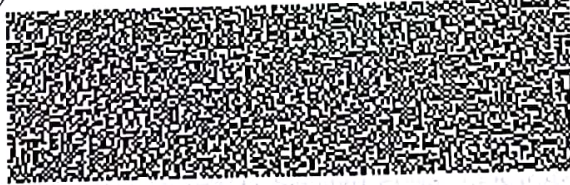
INDIA NON JUDICIAL

Government of Karnataka

e-Stamp

Certificate No. : IN-KA99273077962984U  
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 SAHAKARI NIYAMITHA  
 Authorised Signatory



Please write or type below this line

MEMORANDUM OF UNDERSTANDING

Between  
 Department of EEE  
 Sir. MVIT, Bangalore  
 Bangalore  
 AND

Harmonizer India Pvt Ltd.,  
 BANGALORE

PRINCIPAL

SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY  
 Krishnadevarayanagar, Hunasamaranahalli,  
 International Airport Road, BANGALORE-562 157



Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.shcilestamp.com' or using e-Stamp Mobile App of Stock Holding  
 Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.

This Memorandum of Understanding is entered into on this **5<sup>th</sup> day of January 2022** between

Department of EEE, Sir. M Vishweswaraya Institute of Technologies (hereinafter called SMVIT) situated at Hunesemaranahalli, Bangalore -560056, Karnataka and represented by Principal **Dr.V R Manjunath** having its office at Hunasamaranahalli, Bangalore-562157 (hereinafter referred to as "SIR MVIT" which expression shall, unless excluded by or represent to the context be deemed to include its successors in office and assigns) of the ONE PART.

and

Harmonizer India Pvt Ltd., 557, 15<sup>th</sup> Cross, 1<sup>st</sup> Main, RHCS Layout, Annapurneshwari Nagar, Nagarbhavi 2<sup>nd</sup> stage, Bangalore - 560091 and represented by M/s. Harmonizer India Pvt Ltd., founded by **Mr. M.R. Srinivas, Mr. Manoj Soni**, (hereinafter called "Harmonizer") which expression shall include its successors and permitted assignees with its registered office at Bangalore, of the OTHER PART

## 1. PREAMBLE

SMVIT is one of the leading Engineering college in Karnataka, located at new airport road, Hunasemaranahalli, Bangalore under VTU.

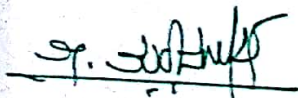
Founded in 1986, and named after Bharat Ratna Sir.Mokshagundam Vishveswaraya, the Institute is affiliated to Visvesvaraya Technological University (VTU), Belgaum and is accredited by AICTE.[1] It offers graduate and postgraduate courses.

The institute is one among the top colleges in Karnataka that most preferred by Engineering aspirants across the country.

M/s. Harmonizer India Pvt Ltd., founded by **Mr. M.R. Srinivas, Mr. Manoj Soni**, with its registered office at Bangalore, India, was established in 2019 to provide various solutions related to Power Quality, Power System, IoT Solutions, Machine Learning/AI solutions for Engineering Domain (such as Electrical, Electronics, Communication, Mechanical, Civil, CSC etc), Training, Workshops etc. The Harmonizer is having a Registered office in Bangalore, Abudhabhi-UAE and Canada.

Harmonizer has state of the production facilities in UAE & India to produce state of the art technologies in Power Solutions, IIOT Products, EV Chargers, Smart meters, AI Based Hardware / Software solutions for Industry & Building application.

Harmonizer vision is to provide knowledge driven / knowledge centric solution for customer to enable customer design and business sustainability.







Harmonizer is also keen to work closely with Academic institutions to bridge the knowledge gap between Industry & Academic institutions.

Harmonizer is having a collective expertise of more than 60 years both technically and in the business process.

## 2. OBJECTIVE

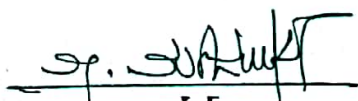
The Core objective is to establish a long-term linkage with Harmonizer to reduce the knowledge gap between Company expectations (practice) and academic offerings (theory) by direct involvement of Company to attain a symbiosis.


(ca) Thereby, Company, Institution, Faculty, Students and Society stand to gain with a synergistic partnership. The Institutions stand to gain by way of updated curricula, consultancy and R & D, source of manpower for employment, societal relevance, and most importantly acquisition of brand name/equity; Company stands to gain by way of availability of employable manpower pool, and increased productivity, deploy/manage Learning Center; faculty stand to gain by way of exposure to latest Company practices for more effective teaching-learning processes, students stand to gain through hands-on training, reduction of learning curve in industrial practices, Internship topics/execution, registering in Learning center to have Industry oriented workshops on various topics; and, society stands to gain by way of improved quality of goods and services.

## 3. SCOPE

### (a) The Key benefits from Harmonizer to MVIT are:

- (e)
- Partnering with Institution in establishing *i-Labs* (Intellectual laboratories) and incubation centers
  - Bridge the Gap between Academia and Industries
  - Participating in joint R&D activities and consultancy
  - Providing assistance for improving employability including internships, entrepreneurial training specialized skill training required by Company and placement opportunities.
  - Participating in bodies as the Board of Governors, Academic Council, Boards of Studies, Industry-Institute-interaction Cell and College Research Mentoring Cell
  - Participating in curriculum design, development and update of the engineering programs
  - Collaborating in joint educational/Certification and extension programs
  - Commercialization of technologies and products from joint intellectual property development.





- Organizing joint professional activities like conferences, workshops and seminars.
- Organizing add-on programs in emerging areas.
- Providing opportunities for student groups to undertake problem-solving projects
- Supporting student research projects
- Training students, faculty and technical staff in new technologies and processes with the help of *i-Labs*

**(b) *i - Labs*:**

- Here is a significant knowledge gap between Academia & the Industry, due to which the industry is having exertion in selecting Engineering Graduates for specific job.
- *i-Labs* enables to bridge the gap between Academia and Industry by bringing both on same platform.
- *i-Labs* is designed for collaborative "Learning - Innovation - Upgradation" for Faculty and Students about Industry oriented technologies and training.

Objective of *i-Labs*:

- ✓ Enable Students, Teachers to:
  - Learn new concepts related to Industries
  - Orient towards Industrial Technologies
  - Collaborative R&D / Innovation on core domain Electrical, Electronics, Mechanical, Civil, Communication and Computer Science Engineering
  - R&D / Innovation on EMS, Meters, IoT Systems (for Engineering domain), Power Quality, Power System, Safety, Reliability, Machine Learning, AI etc
  - Provide a great platform for the students to work on Internship topics.
- ✓ Bridge the Gap between Academia and Industries
- ✓ Enable Students to prepare for Interviews due to practical exposure
- ✓ Enable Teachers / Students to work on patents in an open environment in collaboration with Harmonizer

Dr. Subhankar







- ✓ Networks Issues
- ✓ Power Quality
- ✓ Machines
- ✓ Earthing system
- ✓ Load Flow
- ✓ Unbalance
- ✓ MV/LV networks
- ✓ Applications

Electrical



- ✓ PCBs
- ✓ Components
- ✓ Electronics meters
- ✓ Transducers

Industrial Electronics



- ✓ Protocols
- ✓ Gateways
- ✓ Blue tooth
- ✓ Zog Bee
- ✓ WIFY
- ✓ TCPIP
- ✓ Modbus

Telecommunication



- ✓ Machine Learning for Engineering
- ✓ AI for Engineering
- ✓ IoT Solutions
- ✓ EMS
- ✓ Cloud systems
- ✓ Python coding
- ✓ Embedded C Coding

Computer Science



### Benefits for Students:

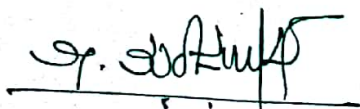
- ✓ Exposure to Latest Industry Trends
- ✓ Practical guidance / exposure to Electrical, Electronics, Telecommunication and Computer Science application
- ✓ Machine Learning Concepts for Engineering domain
- ✓ AI Learning concepts for Engineering domain
- ✓ Collaborative learning between the domain
- ✓ Training by Global Industry Experts
- ✓ Internship options for Toppers
- ✓ Enable to face Interview with enriched knowledge about the Industry

### Benefits for College / Institution / University:

- ✓ Exposure to Latest Industry Trends
- ✓ Practical guidance / exposure to Electrical, Electronics, Telecommunication and Computer Science application for Faculty
- ✓ Machine Learning Concepts for Engineering domain
- ✓ AI Learning concepts for Engineering domain
- ✓ Collaborative learning between the domain
- ✓ Training by Global Industry Experts
- ✓ Enhanced Teaching abilities
- ✓ Brand image and contribution to the Industry
- ✓ Enhanced Campus selection
- ✓ Continuous Revenue from the Lab

### What we need from Institution?

- ✓ Space to set up i-Labs (about one class room size)
- ✓ 3phase power connection
- ✓ Interiors for the Lab
- ✓ Investment of about INR 1,00,000/- for basic components as per the Annexure 1.





What will Harmonizer provide?

- ✓ Embedded components (Micro controller, Micro-processor, PCBs, Sensors, Actuators etc)
- ✓ Software tool for Machine Learning / AI (Embedded C, Python, Anaconda etc)
- ✓ EMS
- ✓ Experts for Training the students
- ✓ Enable R&D / Innovation across the domain
- ✓ Enable Patent filing
- ✓ Internship for Toppers in any of the office of Harmonizer (Bangalore, UAE or Canada).
- ✓ Certificate of participation

Fee to enroll to iLabs:

- ✓ Upto 500 Students = INR.1000/- per student per semester
- ✓ 501 to 1000 Students = INR.900/- per student per semester
- ✓ Beyond 1000 students = INR 800/- per student per semester

Revenue Sharing:

- Sir MVIT = 25% of the Fee
- Harmonizer = 75% of the Fee

#### 4. GENERAL

- This MOU shall enter in force upon signature by both Parties and remains in force, unless terminated earlier by either Party upon ninety (90) days, written notice to the other Party.
- The termination this MOU shall not affect the validity or duration of projects under this MOU that are initiated prior to such termination.

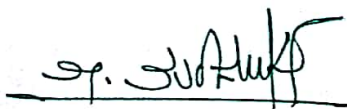
#### 5. MONITORING AND IMPLEMENTATION

Coordination Committee consisting of The Head of the Department, one senior faculty member of Department of EEE, MVIT and an officer nominated by the Harmonizer will look into the monitoring and implementation of the various aspects of the MOU. An annual review will be conducted to monitor the progress and in furtherance of the activities covered under the MOU.

#### 6. SIGNED IN DUPLICATE

This MOU was executed in duplicate with each copy being an official version of the Agreement and having equal legal validity with effect from 5<sup>th</sup> January 2022.

Now this copy is made on stamp paper for compliance of statutory authorities such as AICTE, UGC, NIRF, NBA and NAAC etc.







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.

**For Harmonizer India,  
Bangalore.**

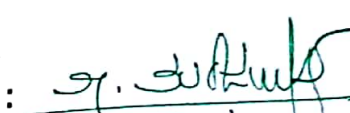


Signature :   
Name : **M.R.Srinivas**  
Designation: **Chief Technical Officer**  
Place : **Bangalore**  
Date : **05-01-2022**

Witness:

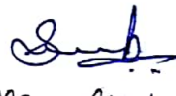

1. **LOHIT R. HANNU** 
2. **JAGADEESAN.V** 

**For SIR MVIT  
Bangalore**

Signature :   
Name : **Dr. V R Manjunath**  
Designation: **Principal**  
Place : **Bangalore**  
Date : **05-01-2022**



Witness:

1. **DR. H.L. SURESH** 
2. **DR. M.S. SURESH.** 



## Certificate of Internship



This is to Certify that

**ROHAN KEDIA, 6<sup>th</sup> Semester-EEE at sir.MVT**

**has attended the Internship program conducted by Harmonizer India Pvt Ltd.,**

---

**Method to detect, measure, analyze Temperature, Vibration of Electric motor using IIoT and  
Machine Learning technologies**

**21<sup>st</sup> Aug – 20<sup>th</sup> Sept 2022**

---

**M.R. Srinivas - CTO**





## Certificate of Internship

This is to Certify that  
**NILESH SAHAY, 6<sup>th</sup> Semester-EEE at sir.MVT**  
has attended the Internship program conducted by Harmonizer India Pvt Ltd.,

---

Method to detect, measure, analyze Temperature, Vibration of Electric motor using IIoT and  
Machine Learning technologies  
**21<sup>st</sup> Aug – 20<sup>th</sup> Sept 2022**

---

**M.R.Srinivas - CTO**



## Certificate of Internship

This is to Certify that

**KAUSHIKI, 6<sup>th</sup> Semester-EEE at sir.MVIT**

has attended the Internship program conducted by Harmonizer India Pvt Ltd.,

---

Method to detect, measure, analyze Temperature, Vibration of Electric motor using IIoT and  
Machine Learning technologies

**21<sup>st</sup> Aug – 20<sup>th</sup> Sept 2022**

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A handwritten signature in black ink, appearing to be 'M.R. Srinivas'.

M.R.Srinivas - CTO





# Certificate of Internship

This is to Certify that

Saiymeen Fatima,

6<sup>th</sup> Semester-EEE at sir.MVIT

has attended the Internship program conducted by Harmonizer India Pvt

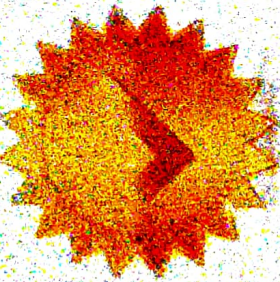
Method to detect, measure, analyze Temperature, Vibration of Electric motor using IIoT  
and Machine Learning technologies

21<sup>st</sup> Aug – 20<sup>th</sup> Sept 2022



M.R.Srinivas - CTO





## Certificate of Internship

This is to Certify that

**AMAN SINGH, 6<sup>th</sup> Semester - EEE at sir.MVIT**

has attended the Internship program conducted by Harmonizer India Pvt Ltd.,

---

Method to detect, measure, analyze Temperature, Vibration of Electric motor using IIoT and  
Machine Learning technologies

**21<sup>st</sup> Aug – 20<sup>th</sup> Sept 2022**

---

**M.R.Srinivas - CTO**





# Certificate of Internship

This is to Certify that

**Tanya Singh,**

**6<sup>th</sup> Semester-EEE at sir.MVIT**

**has attended the Internship program conducted by Harmonizer India Pvt  
Ltd.,**

**Method to detect, measure, analyze Temperature, Vibration of Electric motor using IIoT  
and Machine Learning technologies**

**21<sup>st</sup> Aug – 20<sup>th</sup> Sept 2022**



**M.R.Srinivas - CTO**



## Certificate of Internship

This is to Certify that

**ALI AHMED, 6<sup>th</sup> Semester-EEE at Sir.MVIT**

**has attended the Internship program conducted by Harmonizer India Pvt Ltd.,**

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**Method to detect, measure, analyze Temperature, Vibration of Electric motor using IIoT and  
Machine Learning technologies**

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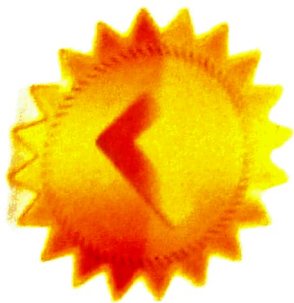
**21<sup>st</sup> Aug – 20<sup>th</sup> Sept 2022**

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**M.R.Srinivas - CTO**





# Certificate of Internship

This is to Certify that

**Sowmyashree K, 6<sup>th</sup> Semester-EEE at sir.MVIT  
has attended the Internship program conducted by Harmonizer India Pvt  
Ltd.,**

**Method to detect, measure, analyze Temperature, Vibration of Electric motor using IIoT  
and Machine Learning technologies**

**21<sup>st</sup> Aug – 20<sup>th</sup> Sept 2022**

**M.R.Srinivas - CTO**



# Certificate of Internship

This is to Certify that

**VARUN B BANNAKKAR, 6<sup>th</sup> Semester-EEE at sir.MVIT**  
has attended the Internship program conducted by Harmonizer India Pvt Ltd.,

---

Method to detect, measure, analyze Temperature, Vibration of Electric motor using IIoT and  
Machine Learning technologies

**21<sup>st</sup> Aug – 20<sup>th</sup> Sept 2022**

---

**M.R.Srinivas - CTO**





## Certificate of Internship

This is to Certify that

**SONAL KUMAR, 6<sup>th</sup> Semester-EEE at sir: MVIT**  
has attended the Internship program conducted by Harmonizer India Pvt Ltd.,

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Method to detect, measure, analyze Temperature, Vibration of Electric motor using IIoT and  
Machine Learning technologies

**21<sup>st</sup> Aug – 20<sup>th</sup> Sept 2022**

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**M.R.Srinivas - CTO**



## Certificate of Internship

This is to Certify that

**ANUPRIYA K V, 6<sup>th</sup> Semester-EEE at sir.MVT**  
**has attended the Internship program conducted by Harmonizer India Pvt Ltd.,**

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**Method to detect, measure, analyze Temperature, Vibration of Electric motor using IIoT and  
Machine Learning technologies**

**21<sup>st</sup> Aug – 20<sup>th</sup> Sept 2022**

---

A handwritten signature in black ink, appearing to be 'M.R. Srinivas'.

**M.R.Srinivas - CTO**





# Certificate of Internship

This is to Certify that

**CHARAN PB, 6<sup>th</sup> Semester-EEE at sir.MVIT**

**has attended the Internship program conducted by Harmonizer India Pvt Ltd.,**

---

**Method to detect, measure, analyze Temperature, Vibration of Electric motor using IIoT and  
Machine Learning technologies**

**21<sup>st</sup> Aug – 20<sup>th</sup> Sept 2022**

---

**M.R.Srinivas - CTO**



# *Certificate of Internship*

**This is to Certify that**

**SYED IRFAN, 6<sup>th</sup> Semester-EEE at sir.MVIT**  
**has attended the Internship program conducted by Harmonizer India Pvt Ltd.,**

---

**Method to detect, measure, analyze Temperature, Vibration of Electric motor using IIoT and  
Machine Learning technologies**

**21<sup>st</sup> Aug – 20<sup>th</sup> Sept 2022**

---

**M.R.Srinivas - CTO**





## Certificate of Internship

This is to Certify that

*Reet Gupta, 6<sup>th</sup> Semester - EEE at sir: MVIT*

has attended the Internship program conducted by Harmonizer India Pvt Ltd.,

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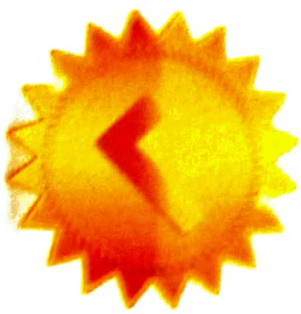
Method to detect, measure, analyze Temperature, Vibration of Electric motor using IIoT and  
Machine Learning technologies

**21<sup>st</sup> Aug – 20<sup>th</sup> Sept 2022**

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**M.R.Srinivas - CTO**



# Certificate of Internship

This is to Certify that

**YESHWANTH RAJ, 6<sup>th</sup> Semester-EEE at sir.MVIT**  
has attended the Internship program conducted by Harmonizer India Pvt Ltd.,

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**M.R.Srinivas - CTO**





## Certificate of Internship



This is to Certify that

**ISHRATH KHUSHBUDA, 6<sup>th</sup> Semester - EEE at sir.MVT**  
has attended the Internship program conducted by Harmonizer India Pvt Ltd.,

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**PRAITYUSH RAJ PANDEY, 6<sup>th</sup> Semester-EEE at sir: MVIT**  
has attended the Internship program conducted by Harmonizer India Pvt Ltd.,

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A handwritten signature in black ink, appearing to read 'M.R. Srinivas'.

**M.R.Srinivas - CT0**





# *Certificate of Internship*

This is to Certify that

**SREEJITH C S, 6<sup>th</sup> Semester-EEE at sir.MVIT**  
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**SWAPNA N, 6<sup>th</sup> Semester-EEE at sir.MVIT**  
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**HARSH PRAKASH, 6<sup>th</sup> Semester-EEE at sir: MVIT**  
has attended the Internship program conducted by Harmonizer India Pvt Ltd.,

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This is to Certify that  
**CHAITRA C, 6<sup>th</sup> Semester-EEE at sir.MVT**  
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## Certificate of Internship

This is to Certify that  
**Anmol Anand, 6<sup>th</sup> Semester - EEE at sir.MVIT**  
has attended the Internship program conducted by Harmonizer India Pvt Ltd.,

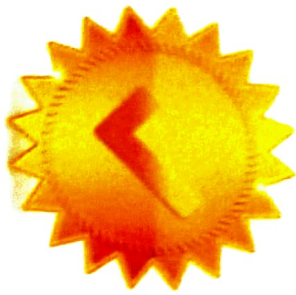
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## Certificate of Internship

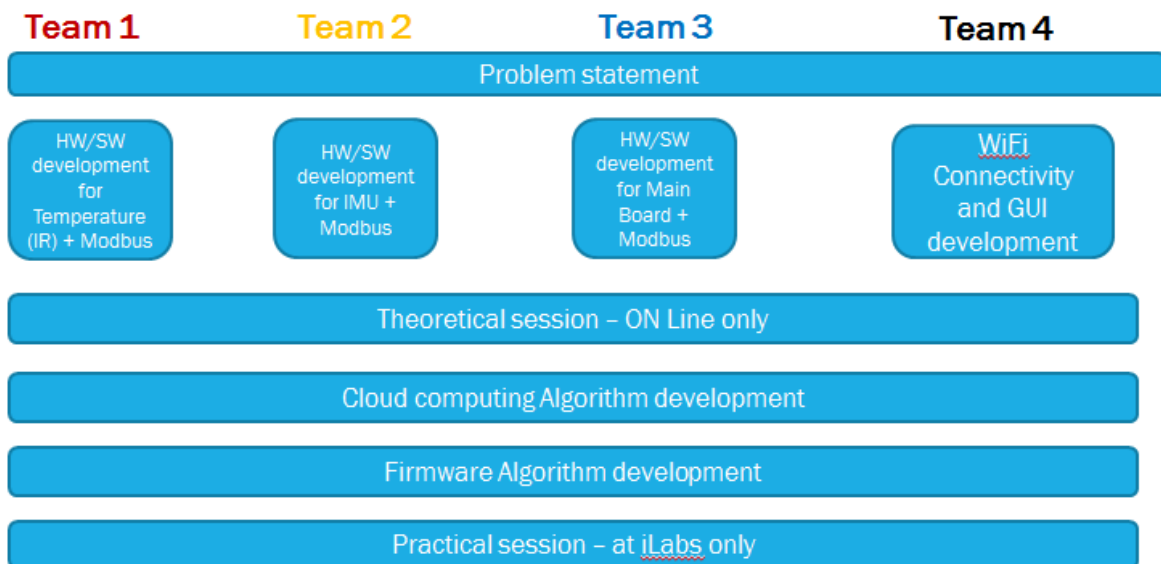
This is to Certify that

**Suyesha Bhattacharjee, 6<sup>th</sup> Semester-EEE at sir.MVIT**  
has attended the Internship program conducted by **Harmonizer India Pvt Ltd.,**

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**M.R.Srinivas - CTO**

## PROJECT INTRODUCTION



### TASK PERFORMED

Week 1- Project introduction

Week 2- Problem assigned

Week 3- Implementing Inertial Measurement Unit (IMU) sensor

Week 4- Solution Implemented & Output Result

### COMPLETED PROJECT LIST IN ILAB -2022-23

A. Condition Monitoring for Motors-Industry 4.0

B. Home and Industrial Automation

C. Transformer Condition Monitoring-Industry 4.0



## A. Condition Monitoring for Motors-Industry 4.0

**HARMONIZER SCIENTIFIC RESEARCH**

**iLABS**

### Condition Monitoring for Motors - Industry 4.0

#### ABOUT

- Issues with the motor can result in huge downtime which could lead to production and financial losses to the Industry.
- Harmonizer condition monitoring concept allow Industries and asset owners to predict the downtime and maintain the equipment's accordingly
- The Prototype consist of a three axis accelerometer which detect mechanical vibrations across all three axis. It also consists of an embedded controller for performing signal processing and enabling Ai.

**Further scope:** Studies regarding the behavior of motor under different failure conditions. Analysing the signals in amplitude and frequency domain

#### BLOCK DIAGRAM

- Accelerometer
- Embedded Processor
- Digital Signal Processing and AI
- WiFi Enabled
- Cloud Storage

#### BOQ

|                                    |
|------------------------------------|
| • Embedded Microcontroller - ESP32 |
| • Accelerometer - MPU6050          |
| • PCB                              |
| • Wifi Modem - ESP32               |
| • Electric Motor                   |
| • Harmoniser Cloud                 |

## B. Home and Industrial Automation





## C. Transformer Condition Monitoring-Industry 4.0

**HARMONIZER SCIENTIFIC RESEARCH**

**C**

### Transformer Condition Monitoring - Industry 4.0

**ABOUT**

- Monitor heating on transformer windings and core
- Trigger Cooling unit if Temperature exceeds certain Threshold

Further scope: Integrate system for earth leakage, buchholz alarms and other fault relays

AI Analytics to enhance asset performance

Introduce sound based acoustic monitoring system to find the humming frequency and predict downtime

**BOM**

- Embedded Microcontroller - ESP32
- Relay Board
- IR Temperature Sensor
- Contact Temperature Sensor
- Harmonizer Meters Transformer PCB
- Wifi Modem - ESP32
- AC Fan
- Harmonizer Cloud - MQTT Broker

**BLOCK DIAGRAM**

Transformer

Temperature Sensor

Embedded Controller

Cooling Unit

Cloud Storage and AI algorithms

WiFi Gateway