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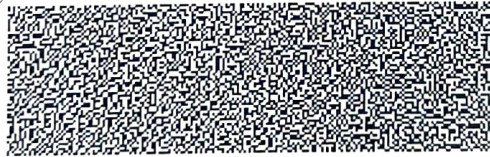
Government of Karnataka

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Ph 9742202425

Authorised Signatory



Please write or type below this line

Memorandum of Understanding (MOU)

between

**Government Tool Room & Training
Centre, Hassan**

and

**Department of Electrical & Electronics Engineering,
Malnad College of Engineering, Hassan - 573202**

Principal
Principal
GOVT. TOOL ROOM & TRAINING CENTRE
No.8, KIADB Industrial Area,
HASSAN-573 201

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This Memorandum of Understanding (hereafter referred to as the "MOU") is made at Hassan, on this 5th day of December 2023.

By and Between

Government Tool Room & Training Centre, Hassan.

Party of the First Part

&

Department of Electrical & Electronics Engineering,

Malnad College of Engineering, Hassan - 573202

Party of the Second Part

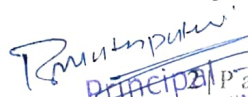
AND WHEREAS,

Government Tool Room & Training Centre (GT&TC) was established in 1972 at Bangalore with the participation of the Karnataka State Government, in collaboration with the Government of Denmark under the Bilateral Development Co-operation Agreement. GT&TC is an autonomous society and recognized as Scientific and Research Organization by the Government of India. Govt. Tool Room and Training Centre (GT&TC) is serving industries in the field of precision tooling, Defense & Aerospace sectors and providing well trained craftsmen in the area of Tooling & Precision Manufacturing. GT&TC is periodically updating to new technologies in the existing set of advanced equipment's viz. CAD / CAM, CNC machines for tooling and Precision Components, Laser for Industries. GT&TC is focusing on the Integrated development of the related segments of industries by way of providing good quality tools, trained personnel and manufacturing of precision components & sub-assemblies to Aerospace & Defense sectors. In future, the thrust would be more towards turnkey projects of the above and to support development of small and medium scale enterprises.

Govt. Tool Room & Training Centre (GT&TC), Siemens Centre of Excellence (COE), conducting Technical short term courses for the passed out students and pursuing students with expert training staff in excellent 14 laboratories like, Internet of Things (IOT),


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Industrial Robotics, Product design and validation (PDV), Automation-Advance, Process Instrumentation, Advance manufacturing, CNC controller, CNC Machines, Mechatronics-Advance, Renewable Energy, Test & Optimization, 3D-printing (RPT), Reverse Engineering and DIAS Lab.

Department of Electrical & Electronics Engineering, Malnad College of Engineering, Hassan.

- Malnad College of Engineering, Hassan, founded in the year 1960, is managed by Malnad Technical Education Society (MTES®), Hassan.
- An Autonomous Institution under Visvesvaraya Technological University (VTU), Belagavi, recognized by AICTE, New Delhi and Accredited by NAAC.
- Department of Electrical & Electronics Engineering, started in the year 1960 and accredited by NBA.

AND WHEREAS **Government Tool Room & Training Centre** and the said Department of Electrical & Electronics Engineering, Malnad College of Engineering, Hassan have offered to collaborate with each other for the purpose of making the students industry ready and to reduce the gap between industry and academia.

AND WHEREAS **Government Tool Room & Training Centre** and said **Department of Electrical & Electronics Engineering**, Malnad College of Engineering, Hassan (T&D), have in principle accepted the terms and conditions mutually agreed upon by and between them.

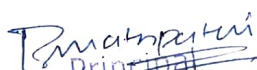
AND WHEREAS the parties hereto are desirous of recording the said terms and conditions in the manner herein after appearing:

NOW THIS MEMORANDUM OF UNDERSTANDING **WITNESSES** AND IS HEREBY AGREED BY AND BETWEEN THE PARTIES HERE TO AS UNDER: -

Permission:

Government Tool Room & Training Centre and said **Department of Electrical & Electronics Engineering**, Malnad College of Engineering, Hassan shall establish collaborations for the purpose of:


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- a) Carrying out internship programmers for enhancing the knowledge and skills of students.
- b) Carrying out project works to promote overall development of students and make them industry ready.
- c) Arranging industrial visit to students, to orient them to industrial environment and to interact with professionals.
- d) Conducting seminar by resource person from the said institution to enhance the knowledge of faculties and students.
- e) The minimum of **50** Candidates/year has to be trained under **Centre of Excellence (COE)** & other short term courses at GT&TC Hassan.

Conduct of various programs, events etc.

- a) The said courses / programs / events called by any name shall be conducted by said institution and **Government Tool Room & Training Centre** in collaboration and shall be overseen by a standing committee consisting of two representatives each of company and institution.
- b) The venue of the said courses, programs, events called by any name shall be decided and conducted by mutual understanding of both the parties.
- c) The content and delivery of the course / program shall be designed by mutual understanding by both the parties.

Goodwill:

The **Department of Electrical & Electronics Engineering, Malnad College of Engineering, Hassan**, and **Government Tool Room & Training Centre**, both shall Endeavour to maintain, promote and improve the goodwill and image of both the organizations.

Tenure:

This Memorandum of Understanding shall continue to be in operation for a period of **ten years** commencing from the date of signing this **MOU**. Upon the expiry of this Memorandum of Understanding and/or six months prior thereto, both parties are entitled to the renewal of the Memorandum of Understanding for a future period of three years by issuing a written notice to the other to that effect. Upon the extension notice being issued to

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either party and upon acceptance thereof, this Memorandum of Understanding may be continued beyond the period of **three years** on the terms and conditions as may be mutually agreed upon between the **Government Tool Room & Training Centre** and said institution.

Termination

1. If there is a breach of any of the conditions by either party, then Memorandum of Understanding may be terminated with one-month prior notice by either party without affecting the students or participants of larger interest.

On Termination:

On termination of this Memorandum of Understanding:

- a) No joint, collaborative programmes, called by any name shall be undertaken by either of the institutes thereafter.
- b) Neither **Government Tool Room & Training Centre** nor the said **Department of Electrical & Electronics Engineering**, Malnad College of Engineering, Hassan, shall be responsible for any loss or damage which may be caused because of destruction of any materials, cancellation of any programmes or in any other manner or on account of termination of the Memorandum of Understanding.
- c) Parties hereto agree to settle outstanding dues if any.
- d) Neither **Government Tool Room & Training Centre** nor the said **Department of Electrical & Electronics Engineering**, Malnad College of Engineering, Hassan, shall have any right or title or interest in the name and goodwill of the other party.
- e) None of the parties shall, after termination of the Memorandum of Understanding claim, advertise or suggest any association with another party.
- f) Legitimate interests of students and participants will be protected, within one year of discontinuation of Memorandum of Understanding as applicable.

Third party Agencies:

This Memorandum of Understanding shall not create any mutual agency between the Parties to this Memorandum of Understanding. Neither party shall be authorized to make any commitment to any third party with respect to this Memorandum of Understanding.

Force Majeure:

Neither party to the Memorandum of Understanding shall be liable to the other party for


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any delay or failure on its part to performing any of its obligations under this Memorandum of Understanding resulting from any cause beyond its reasonable control, including, but not limited to strikes, riots, civil commotion or other concerned action of workmen, material, shortage, fire, flood, explosions, acts of God, acts of state, war, enemy action or terrorist action.

IN WITNESS WHEREOF the parties hereto have hereunto set and subscribed their respective hands and seals to this writing on the day and year first herein above written.

Signed, Solved and Delivered on behalf of the above named

Government Tool Room & Training Centre, Hassan.

By its **Principal, Mr. Basavaraj Mathapathi**

Signature: Basavaraj Mathapathi
Principal
GOVT. TOOL ROOM & TRAINING CENTRE
No.8, KIADB Industrial Area,
HASSAN-573 201

In the presence of the Witnesses:

1. Name of the Witness: Basavaraj M. CHETHANIKUMAR,

Signature of Witness: Chethanikumar

2. Name of the Witness: MADHUSUDHAN S.

Signature of Witness: Madhusudhan S.

Signed, Solved and Delivered on behalf of the above named

Department of Electrical & Electronics Engineering, Malnad College of Engineering, Hassan,

By its Principal, **Dr. S. Pradeep**

Signature: Dr. S. Pradeep
Principal
Malnad College of Engineering
Hassan-573 202

In the presence of the Witnesses:

1. Name of the Witness: **Dr. N.S. Jyothi, Professor & Head, Dept. of Electrical & Electronics Engineering**

Signature of Witness:  **Dr. N.S. Jyothi, M.Tech., Ph.D.,**
Professor & Head
Department of E&E Engineering
Malnad College of Engineering

2. Name of the Witness: **Dr. S. Rajanna, Professor, Dept. of Electrical & Electronics Engineering**

Signature of Witness: 



**GOVERNMENT TOOL ROOM & TRAINING CENTRE
SOCIETY OF GOVERNMENT OF KARNATAKA
&
VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI**



'MEMORANDUM OF UNDERSTANDING'

This Memorandum of Understanding (MoU) is made on 25/09/2024 between Government Tool Room & Training Centre (GTTC) which was established in 1972 at Bangalore by Government of India & GoK with the assistance of DANIDA, government of Denmark under the Bilateral Development Co-operation Agreement. The excellent performance of GTTC Bangalore, proactive Government of Karnataka which saw the need for expansion, got second unit of GTTC started in 1992 with DANIDA assistance.

Proliferation of technology towards development of the industries with supply of skilled manpower is the key factor to meet the needs of the global requirement. With this Government of Karnataka encouraged GTTC to start 32 more sub-centres to train in the area of Diploma in Tool & Die Making, Precision Manufacturing, Electronics & Communication, Mechatronics, Electrical and Electronics, Automation & Robotics, AIML Post Diploma in Tool Design, Post Diploma in Mechatronics, M.Tech in Tool Engineering and also conducting Short-Term Skill Training programs and Skill up-gradation training programs for working professionals in various parts of Karnataka. GTTC is also recognised as Scientific & Industrial Research Organisation by Ministry of Science & Technology, Government of India.

AND

Visvesvaraya Technological University (VTU) is one of the largest Technological Universities in India with 25 years of Tradition of excellence in Engineering & Technical Education, Research and Innovations. It came into existence in the year 1998 to cater the needs of Indian industries for trained technical manpower with practical experience and sound theoretical knowledge. University has very successfully achieved the tremendous task of bringing various colleges affiliated earlier to different Universities, with different syllabi, different procedures and different traditions under one umbrella. The university having 218 affiliated colleges, 1 constituent college and 20 Autonomous colleges with undergraduate courses in 35 disciplines, PG program in 94 disciplines and Ph.D. & M.Sc (Eng.) with research programs in 592 departments, over 4 lakhs Engineering Students study in the various institutes affiliated to the University (hereinafter referred to as VTU).

This MoU is made for knowledge exchange between VTU and GTTC in terms of imparting skill development training, Research & Development, Faculty Development programs, sharing of technical know-how, labs, resources and conducting courses to promote skill and also to address the rising industrial needs.

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In this connection, the following points are agreed upon:

1. Objective:

The overall objective of MoU is to provide skill development, advanced technology hands-on-Training and to enhance employment opportunities for Engineering Graduates. To achieve this objective, VTU will encourage its students/ participants to undergo skill-development training to make them industry ready.

2. Recitals:

- a. GTTC is an organization providing technical skill training in advanced technology areas to students, jobseekers, school dropouts, and unemployed youth and industry personnel.
- b. VTU is an Higher Education Institution (HEI) engaged in imparting education and awards professional degrees in the field of engineering, management and computer applications. It also develop professional skills and prepare the Students/Employees for immediate employment and provide them with a solid foundation in education.
- c. The purpose of this agreement is with reference to defining the areas of co-operation benefiting both VTU and GTTC.

This agreement witnesses as follows:

Areas of co-operation

3. Scope of Agreement:

GTTC:

- GTTC to liaison with VTU for providing advanced technical skill training to the students or participants mobilized by VTU.
- GTTC will provide training on the specified list of Courses to different category of students referred by VTU for BE/B. Tech, M. Tech internship programs and alike.
- GTTC to conduct training for VTU students in all its campuses across Karnataka utilising its infrastructure, trainers, raw materials, software and training kits /equipment.
- GTTC will conduct special training for VTU students and faculty at its Centre of Excellence promoted by SIEMENS, Dassault Systemes, PTC, Schneider, Fanuc, Autodesk, Master Cam, Stratasys, DMG MORI, Intel, IBM and all its Centres.

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- GTTC will help to get the access and to use its infrastructure/facilities setup by SIEMENS, Dassault Systemes & PTC Centre of Excellence for Research & Development work to be undertaken by VTU students, faculty and researchers. If necessary, the relevant training to use the above infrastructure shall be given free of cost for the faculties only.

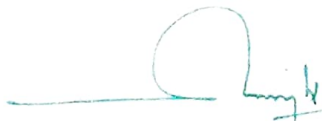
VTU:

- VTU will encourage its students/faculty members to undertake specialised courses/Programmes run by GTTC to promote GTTC's courses.
- The VTU will encourage its students to undertake the internship programme offered by GTTC at its premises.
- VTU will utilize the services of the faculty of GTTC to render specialized domain intervention and to conduct technical sessions/Special Guest Lectures in order to promote the GTTC activities based on mutual convenience on no-cost basis. The internship charges may be collected for students.
- VTU shall initiate students' meet and other business promotional activities to promote the training activities of GTTC. GTTC shall sponsor the technical support, presentation and promotional materials for such events.
- Since, VTU is also having required facilities to provide similar internship to students and train outside industry people. Hence preference must be given to VTU, Belagavi centre to provide internship (The nominal fees for this will be collected by VTU and utilised by VTU).
- Faculty industry internship may be provided free of cost by GTTC to the faculty of VTU centres. Faculty Development Programs for GTTC faculty will be provided free of cost at VTU centres for faculties only.
- Student exchange can be encouraged on mutual basis at both the institutions and lab facilities may also be used by students of both institutes whenever required on no-cost basis only for labs mentioned in syllabus.

4. Training Support & Methodology:

The training programs shall be conducted at GTTC premises

- GTTC shall provide all support needed for imparting the necessary training to the students of VTU & all its affiliated engineering colleges.
- The main focus of this agreement is to provide internship training program, academic projects for VTU students and Faculty Development Program. Further



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to that, customised short-term skill training program for specified duration can be scheduled on mutually agreed terms.

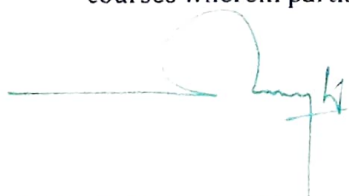
- GTTC will issue the Certificates to the students on successful completion of the training program.
- GTTC can issue training/internship certificates to the students.

5. General Agreements

- Both the parties agree that no action / failure on either part, to act relating to the above proposal, will give rise to / serve as the basis for any claim, obligation or liability on either side.
- Both the parties can issue press release, make public announcement, or other such disclosure related to this Agreement without the other party's prior consent as long as it does not affect the aim, objective, ethical values and reputation of the respective Institutions.
- This Agreement may be amended with the prior written consent of both the parties.
- Any specific project as required by VTU, as part of academic requirement may be taken up subject to the availability of infrastructure and other facilities at GTTC. If required, such projects can be carried out in co-ordination with the associated faculty from VTU.
- This MOU shall be effective as of the date of execution and shall remain in force for a period of three (3) years (the "Initial Term"). The Initial Term may be extended for additional periods upon the mutual written consent of both Parties.
- Either party can cancel or terminate this Agreement by giving an advance notice of three (3) months to the other with proper justification for such act

6. Course Deliverables:

- The list of courses offered is appended at **Annexure-I**.
- GTTC will follow its standard methodologies related to conduct, student attendance, globally accepted quality norms, student feedback, internal assessments, examination, evaluation and certification, smooth & effective delivery of course content and competence building of the trainee student.
- The training programs shall be conducted at GTTC premises.
- Subject to availability of adequate infrastructure, GTTC can conduct **bridged** courses wherein partial training can be conducted at GTTC premises.



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- The minimum & maximum student batch size for commencing a batch will be decided on mutually agreed numbers and it is as per the available seating capacity at GTTC.
- The listed courses can vary from time to time and courses shall be added / deleted based on mutual convenience, in discussion by both the parties.
- The technical support in terms of presentations and publicity material shall be provided by GTTC.

Note:

- The duration of training course per day is flexible to suit the requirements of the Institution / Students/Participants. This will be in mutual consultation between GTTC and VTU.
- Also, GTTC has an open mind to conduct week-end courses i.e., on Saturday and Sunday provided VTU mobilizes a full batch size of students in any of the streams that it would like to have the training.

Note: All payments shall be made in favour of the GTTC-Respective Centres.

- VTU fully understands that the fees charged is a fair estimate of the expenditure incurred by GTTC for utilizing the infrastructure, designing & developing the program content, acquiring the necessary principle licenses, hardware for arranging lectures by certified experts in the current Technologies including placement assistance to eligible students trained in GTTC.
- GTTC shall prepare a consolidated list of students by VTU and enrolled to the different courses and make available a copy of the same to VTUs and when the process of admission for the respective courses are completed.

7. Notices:

All notices, requests and other communications under this agreement or in connection herewith, shall be given to the respective parties as follows:

To,

The
Managing Director,
Government Tool Room & Training Centre,
Rajajinagar Industrial Estate, West of Chord Road,



GOVERNMENT TOOL ROOM & TRAINING CENTRE
SOCIETY OF GOVERNMENT OF KARNATAKA
&
VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI



Bengaluru -560010, Karnataka,India

To,
The Registrar
VISVESVARAYA TECHNOLOGICAL UNIVERSITY (VTU)
"Jnana Sangama"
Belagavi -590018, Karnataka, India.

8. Review:

For smooth and effective functioning and implementation of the MoU, both the parties shall meet at regular intervals on mutually agreed dates and review the program / progress and the fee structure, to initiate necessary action to overcome bottlenecks / constraints, if any in implementing the MoU.

09. Jurisdiction:

This MoU shall be governed, construed and enforced in accordance with the laws of India and the courts in Belagavi shall have jurisdiction with respect to all matters and disputes arising out of or relating to this MoU.

10. Arbitration:

In the event of a dispute/controversy arising out of and relating to this agreement between the parties are unable to reach a mutually agreeable resolution, the dispute shall be submitted to arbitration under the Arbitration & Conciliation Act. 1996 and the Rules framed therein under. There shall be one arbitrator mutually agreed to by both parties: The seat of arbitration shall be place mutually agreed by both the parties. The language of the arbitration shall be in English.

In witness whereof those present have been entered hereto, on the day and year first herein above, written under their respective seal of office.

For GTTC



For VTU

Authorized Signatory with Seal Authorized Signatory with Seal

Name: Dr. Dinesh Kumar. Y.K IFS

Name: 

Title: Managing Director

Title: The Registrar

Date:

Date:



GOVERNMENT TOOL ROOM & TRAINING CENTRE
SOCIETY OF GOVERNMENT OF KARNATAKA
&
VISVESVARAYA TECHNOLOGICAL UNIVERSITY
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Witness

Signature: *R. Muthukumar*
Name: R. MUTHUKUMAR
Designation: DGM - Production
GTTC Bangalore

Signature: *Rajkumar G*
Name: RAJKUMAR G
Designation: Manager,
GTTC, Bangalore

Witness

Signature: *Dr. A. R. Malagi*
Name: Dr. A. R. Malagi
Designation: Professor

Signature: *V. M. Kulcarani*
Name: Dr. V. M. Kulcarani
Designation: Professor



GOVT. TOOL ROOM AND TRAINING CENTRE - KARNATAKA
LIST OF COURSES / LABORATORIES - FOR INTERNSHIP TRAINING

SL. NO	Name of the Laboratory/Facility	Remarks	Minimum Internship Hours
1	Reality Lab	GTTC-PTC COE Centres	100 Hours
2	Validation Lab	GTTC-Siemns and PTC COE Centres	100 Hours
3	Reverse Engineering Lab	GTTC-PTC COE Centres	100 Hours
4	Product Design & Development Lab	GTTC-Siemns and PTC COE Centres	100 Hours
5	Rapid Prototyping Lab	GTTC-Siemns and PTC COE Centres	100 Hours
6	IoT lab	GTTC-Siemns and PTC COE Centres	100 Hours
7	Automation Lab	GTTC-Siemns and PTC COE Centres	100 Hours
8	Manufacturing & Machining Lab	GTTC-COE Centres	100 Hours
9	AI-ML Lab	GTTC Magadi & Devanahalli	100 Hours
10	Electric Installation, SEE CAD & Maintenance	GTTC - All Centres	100 Hours
11	Home Automation	GTTC - All Centres	100 Hours
12	Mechatronics Lab	GTTC-Siemns and PTC COE Centres	100 Hours
13	Metrology (Quality) Lab	GTTC - All Centres	100 Hours
14	Robotics Lab	GTTC - All Centres	100 Hours
15	Electronics Lab	GTTC - All Centres	100 Hours
16	PLC & HMI Lab	GTTC - All Centres	100 Hours
17	IOT (Smart Home & Building Automation)	GTTC - All Centres	100 Hours
18	Electrician (Domestic & Industrial) Lab	GTTC - All Centres	100 Hours
19	Hydraulics & Pneumatics Lab	GTTC - All Centres	100 Hours
20	CAD (AutoCAD/NX/SW/CATIA) Lab	GTTC - All Centres	100 Hours
21	CAM (Mastercam) Lab	GTTC - All Centres	100 Hours
22	CNC - Turning & VMC Work shop	GTTC - All Centres	100 Hours
23	CNC - Turning Simulation Lab	GTTC - All Centres	100 Hours
24	CNC - Milling Simulation Lab	GTTC - All Centres	100 Hours
25	CNC - VMC Simulation Lab	GTTC - All Centres	100 Hours
26	Conventional Machining Shop	GTTC - All Centres	100 Hours
27	CNC Maintenance	GTTC - All Centres	100 Hours
28	SAP Lab	GTTC - Bangalore	100 Hours
29	Vehicle Assembly Shop	GTTC-Toyota Centres	100 Hours
30	Toyota Automobile Welder Shop	GTTC-Toyota Centres	100 Hours