



Indra Ganesan

COLLEGE OF ENGINEERING

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(F) Status Institution by UGC



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

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TO WHOMSOEVER IT MAY CONCERN


This is to certify that, the following list of activities were conducted based on the MoU signed between Indra Ganesan College of Engineering, Tiruchirappalli and MICROWIN AUTOMATION, Tiruchirappalli.


S.No.	Name of the Activity	No. of Students / Staff Benefited	Date of Activity
1	Research Methodology :Integration of Research and Innovation in Academic Institutions	34	22.09.2022 to 23.09.2022

MoU Validity Period: 19.07.2018 to 21.07.2021


Signature of the Micro and Industry with Seal




Signature of the Principal with Seal
PRINCIPAL
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012


Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
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Tamil Nadu, South India

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தமிழ்நாடு தமில்நாடு TAMIL NADU



4112
19.7.2018

71AB 137727
K. GIRISHANATHAN, S.A.

L.No. 2200/1987

மாண்புமிகு அனுமதிக்கம்
தஞ்சை-1. (தமிழ்நாடு) இந்தியா.

Memorandum of Understanding (MoU)

Between

Microwin Automation

No.2202, Thiruvalluvar Ave, No 1 Tollgate,
Tiruchirappalli, Bikshandarkoil, Tamil Nadu 621216

and

Indra Ganesan College of Engineering

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012



[Signature]
Microwin Automation Private Limited

[Signature]
Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.



MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MoU) entered into and executed at Trichy on 20.07.2018.

BETWEEN

MICROWIN AUTOMATION. (Hereinafter referred to as "MA"), Pl.No. 2202 2nd Floor, Thiruvalluvar Avenue, No.1 Tollgate, Trichy-621216., Tamilnadu, India, represented by its **Managing Director, Mr. R.Sathyannarayanan.**

AND

INDRA GANESAN COLLEGE OF ENGINEERING (hereinafter referred to as "IGCE"), an educational institution having its campus at Manikandam, Trichy - 620012, Tamilnadu, India, represented by the Head of the Department, **Dr.G.Malathi**

WHEREAS

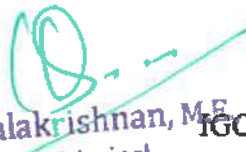
MICROWIN AUTOMATION is a fast upcoming process automation company having deep presence in verticals like process industries, Food and Beverage & SPMs. The company started in the year of 2012 with the vision of bringing the latest technology in a cost effective manner to its customers through its offering. We managed by professionals who have rich experience in the field of industrial automation. Microwin Automation growth has been primarily driven by its transparent business approach, strong customer focus, adherence to quality and post sales support for its offerings.

WHEREAS

IGCE is a well established institution based at Trichy, has a strong industrial interaction with their experts having technical expertise/core competence from different technical fields in the respective UG disciplines namely Civil Engineering, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Information Technology, Mechanical Engineering and PG disciplines namely VLSI, Computer science.

MICROWIN AUTOMATION

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Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Vain Road
Manikandam, Trichy-620 012.

IGCE has a vision to bridge the Industry - Institute gap, to increase the employability of the students, to make them meet the expectations of the industry, to get their jobs and prepare them for a successful career.

Objective of EEE Department

- To produce competent and disciplined Electrical and Electronics Engineers.
- To develop a center for practical excellence and research.
- To provide consultancy activities for industries.
- To develop students to meet the knowledge explosion and global competence.

AND WHEREAS

The parties herein now intend to enter into this MoU to facilitate the above objectives through orientation and development for their mutual benefit.

NOW THEREFORE THE PARTIES HEREIN REDUCE INTO WRITING THEIR RESPECTIVE OBJECTIVES AND THE STRUCTURE AND FUNCTIONING OF THIS UNDERSTANDING.

I. AIMS AND OBJECTIVES

To reduce the gap between Industry and Institute, by providing projects and training and to provide faculty and facility resource to the organization for developing skills.

II. IGCE

- IGCE hereby agrees to provide its faculty having expertise in the field of Electrical and Electronics Engineering for the following area.
 1. Microprocessor and Microcontroller
 2. Embedded System Concepts
 3. PLC,SCADA
 4. Innovative Techniques using Embedded
- IGCE shall utilize their expertise for the above task by assigning our faculty members from Department of Electrical and Electronics Engineering who will be responsible in interaction, correspondence with MICROWIN AUTOMATION towards successful achievement of the above task and aims and objectives of this MoU.
- IGCE will utilize their infrastructure wherever applicable to complete the task.

MICROWIN AUTOMATION

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IGCE
Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

- iv. IGCE will provide their expertise in finding solutions for various problems faced by the organization during the design, production and operation.
- v. IGCE will permit the MICROWIN AUTOMATION to utilize their library facilities.

III. MICROWIN AUTOMATION

- i) The Organization shall permit the faculties designated inside their campus for interaction and development of the project.
- ii) The Organization will permit the students of IGCE for their industrial visit as mutually agreed from time to time.
- iii) The Organization agrees to participate in curriculum / extra curriculum designing and give a guest lecturers for the benefit of IGCE student
- iv) The Organization agrees to permit student level projects whenever they required.
- v) The Organization will conduct a product development course.

IV. MICROWIN AUTOMATION AND IGCE HAVE FURTHER AGREES AS FOLLOWS.

IGCE shall assure that the designated faculty members possess the knowledge in the area and technical expertise to coordinate and execute the aims and objectives.

MICROWIN AUTOMATION shall assure the assistance in infrastructure, men and give the technical inputs wherever necessary in executing the design and development of their products.

V. INTELLECTUAL PROPERTY RIGHTS (IPR)

IGCE faculty shall maintain integrity of the technique / technology of MICROWIN AUTOMATION products and process observed during their visit and consultancy work.

VI. DURATION OF THIS MOU

It is agreed by IGCE and MICROWIN AUTOMATION that the terms of this MOU shall be in force for a period of TWO years from the date of this MoU, which may on mutual concern between be extended for further periods on such terms as agreed mutually.

MICROWIN AUTOMATION

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Principal

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

IGCE

VII. TERMINATION

This MoU may be termed terminated upon non-receipt of renewal request from either party after its tenure. However, the parties hereto agree that this MoU shall be immediately terminated upon either party breaching any of their conditions of this MoU and being unable to rectify the same within a reasonable period.

In witness whereof the parties hereto have affixed their signatures to this agreement on this day.

For Microwin Automation




Mr. Sathyanarayanan
Managing Director

PLNo.2202-2nd floor
Thiruvalluvar Avenue,
No.1 Tolgate, Trichy,
Tamilnadu, India-621216


For Indra Ganesan College of Engg.





Dr. S. Bharathi Raj
Principal,


Indra Ganesan College of Engg
NH45B-Madurai Road,
Manikandam, Trichy.
Tamilnadu, India-620012.


In Presence of


1. Mr. T. Gopal
Project Engineer
Microwin Automation
Trichy


2. Mr. K. Ramanan
Technical manager
Sri Sai Software Training
Trichy

In Presence of


1 Mr. S. Ponrathi Rajith Kumar
Assistant Professor
Indra Ganesan College of Engg
Trichy


2 Mr. D. Praveen Sangeeth Kumar
Assistant Professor
Indra Ganesan College of Engg
Trichy

MICROWIN AUTOMATION

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Dr. G. Balakrishnan, M.E., Ph.D., CE

Principal

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Report on Two Days Research Methodology Workshop

Title:	Two Days Research Methodology Workshop on integration of Research & Innovation in Academic Institutions		
Resource Person:	Mr.G.Govindhan Microwin Automation		
Date:	22.09.2022 & 23.09.22	2 Days	
Organized Department	ELECTRICAL AND ELECTRONICS ENGINEERING		
Participant Year:	2,3,4	No. of Students Registered :	34
Venue:	EEE Seminar Hall		

Outcome of Integration of Research & Innovation in Academic Institutions

- Students will able to identify areas of need and opportunities for innovation and improvement.
- It provide solutions to different problems while improving teaching and learning practices
- To enable significant progress to be made in curriculum development and reform
- Students will able to adapt to methods of instruction to the needs of individual learners.
- Students will aim to test and validate existing theories.



K. Satharaj

RM Coordinator

Ge. Ma. Cather

HoD/EEE

[Signature]

Principal

[Signature]

Dr. G. Balakrishnan, M.E., Ph.D.,

Principal

Indra Ganesan College of Engineering

IG Valley, Madurai Main Road

Manikandam, Trichy-620

Extension Of Agreement

For good value, this Extension Agreement is made by and between

Microwin Automation

No.2202, Thiruvalluvar Ave, No 1 Tollgate, Tiruchirappalli, Bikshandarkoil, Tamil Nadu 621216

and

Indra Ganesan College of Engineering

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli-620 012

Whereas a certain Agreement between the parties dated 20 July, 2018 expires on 21 July 2021 and the parties want to extend and continue said Agreement; it is agreed that said Agreement is extended for an additional term commencing upon the expiration of the original term and shall now expire on 30 July, 2024.

This extension shall be on all other terms and conditions as stated in the original Agreement.

This extension Agreement shall be binding upon and inure to the benefit of the parties, their successors, and personal representatives.

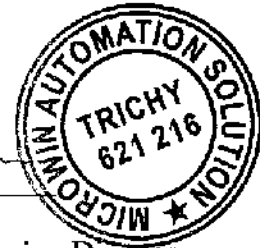
Signed under seal this Date: 21.07.2021

Microwin Automation

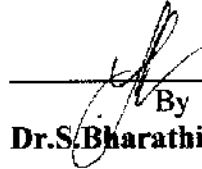


By

Mr.R.Sathynarayanan, Managing Director



Indra Ganesan College of Engineering



By

Dr.S.Bharathi Raja, Principal

PRINCIPAL

Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012