



# 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.

### Table of Contents

S. NO	Contents	Page No
1.	List of Activities based on MoU signed by both parties	2
2.	MoU Document	3-7
3.	Proof of Activity based on MoU	8



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 SRI SAI SOFTWARE, Tiruchirappalli

S.No.	Name of the Activity	No. of Students / Staff Benefited	Date of Activity
1	Value Added Course : IoT-Raspberry Pi	44	08.02.2021 TO 12.02.2021
2	Research Methodology: Students Development on Research Methodology	39	07.05.2022

MoU Validity Period: 19.07.2018 to 21.07.2021

Signature of the MoU  with Seal



Signature of the Principal with Seal 

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

Madurai Main Road,  
NH-45B, Manikandam  
Tiruchirappalli – 620 012  
Tamil Nadu, South India

**Dr. G. Balakrishnan, M.E., Ph.D.,**  
Principal  
Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
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igceprincipal@gmail.com



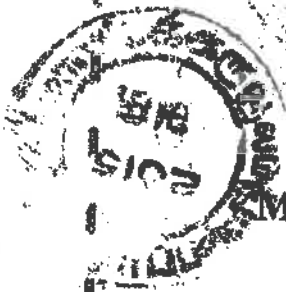
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K. பாலகிருஷ்ணன், ப.எ.,  
L.No. 2200/1987  
மாண்புமிகு அமைச்சர்  
கிளர்-1, (தமிழ்நாடு) இந்தியா.



**Memorandum of Understanding (MoU)**

Between

**Sri Sai Software**

No 2/250 Jeeya, Raghavendra Param Rd,

Tiruchirappalli, Tamil Nadu 620101

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]*  
Sri Sai Software 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 20.08.2018.

### BETWEEN

**SRI SAI SOFTWARE TRAINING AND DEVELOPMENT, TRICHY**, (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.V.GUNASEELA MANIGANDAN**.

### 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

**SRI SAI SOFTWARE TRAINING AND DEVETOPMENT** was incorporated in the year 2012. Our focus is using Electronic Devices, Processors in all possible applications. Within a short span of time SSSID has gained a well reversed name in the domain of product making and Control. We are one of the leading designers, suppliers of industrial Automation products in the market.

### 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.

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.

Sri Sai Solutions Private Limited

page 2 of 5

  
**Dr. G. Balakrishnan, M.E., Ph.D.,** IGCE  
Principal

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

## **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**

- i. IGCE hereby agrees to provide its faculty having expertise in the field of Electrical and Electronics Engineering for the following area.
  1. Basic Electronics
  2. Design of circuits
  3. PCB Softwares
  4. Fabrication of PCBs
- ii. 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 **SRI SAI SOFTWARE TRAINING AND DEVELOPMENT** towards successful achievement of the above task and aims and objectives of this MoU.
- iii. IGCE will utilize their infrastructure wherever applicable to complete the task.
- 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 **SRI SAI SOFTWARE TRAINING AND DEVELOPMENT** to utilize their library facilities.

### **III. SRI SAI SOFTWARE TRAINING AND DEVELOPMENT**

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

**IV. SRI SAI SOFTWARE TRAINING AND DEVELOPMENT 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.

SRI SAI SOFTWARE TRAINING AND DEVELOPMENT 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 SRI SAI SOFTWARE TRAINING AND DEVELOPMENT products and process observed during their visit and consultancy work.

**VI. DURATION OF THIS MOU**


It is agreed by IGCE and SRI SAI SOFTWARE TRAINING AND DEVELOPMENT 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.

**VII. TERMINATION**

This MoU may be terminated by either party, upon providing the other an advance notice of six months or at the end of the semester.

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.

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

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

For SSSTD



  
Mr. M. Maseela Manikandan

Managing Director  
Pl.No.2202-2<sup>nd</sup> floor  
Thiruvalluvar Avenue,  
No.1 Tolgate, Trichy,  
Tamilnadu, India-621216

In Presence of



1. Mr.K.Senihil  
Project Engineer  
Sri Sai Software Training  
Trichy



2. Mr.R.Velmurugan  
Technical manager  
Sri Sai Software Training  
Trichy

For Indra Ganesan College of Engg.




  
Dr.S.Bharathi Raja

Principal,  
Indra Ganesan College of Engg  
NH45B-Madurai Road,  
Manikandan, Trichy.  
TamilNadu, India-620012.

In Presence of



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



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



### Report on Value Added Course

Title: "IoT-Raspberry Pi "				
Resource Person:	M.Suresh, Design Engineer, Sri Sai Software.	A. Siva Subramanian, Trainer, Sri Sai Software		
Date of conduct from :	08.02.2021	To: 12.02.2021	Duration	30 Hours
Organized Department	Electrical and Electronics Engineering			
Participant Year:	2,3,4	No. of Students Registered :	46	
Venue:	Power System Simulation Lab, Ground floor online mode Google Meet: <a href="https://meet.google.com/333-5625-245">meet.google.com/333-5625-245</a>			
<b>Outcome of Value Added Course (VAC): At the end of the Course, Students can able to</b>				
<ol style="list-style-type: none"><li>1. Describe the concepts of IoT along with its applications.</li><li>2. Build a prototype using Arduino Uno.</li><li>3. Identify different types of sensors, actuators and communication Protocols.</li><li>4. Build a prototype using Raspberry pi.</li><li>5. Able to design an IoT application to interact.</li></ol>				
<b>Assessment Process</b>				
<ul style="list-style-type: none"><li>• Students, who are securing more than 70% on total score and secured more than 75% in attendance is eligible to receive the certificate for the VAC course conducted</li><li>• Total Score = (0.5 *Attendance in VAC out of 100 percentage + 0.5 *Test mark in VAC out of 100 marks)</li></ul>				
 VAC Coordinator		 HOD/EEE		 Principal

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



## Report on One Day Research Methodology Seminar

Title: **Research Grants from Funding Agencies**

Resource Person: **Mr. G.Parthasarathy  
SRI SAI SOFTWARE**

Date of conduct from **08.04.2021** Duration : 1 day

Organized Department **ELECTRICAL AND ELECTRONICS ENGINEERING**

Participant Year: **2,3,4** No. of Students  
Registered **44**

Venue **EEE Seminar Hall**

**Outcome of the RM :At the end of the Course. Students can able to**

- Know how to develop a research proposal & identifying research funding agencies.
- Determine & identify internal approval for research proposals.
- Know the funding agency's requirements.
- Identify research and development, marketing and advertising.
- Know research groups from academic institutions, research laboratories and non-profit R&D institutions



**RM Coordinator**

**HoD/EEE**

**Principal**

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

**Indra Ganesan College of Engineering  
IG Valley, Madurai Main Road  
Manikandam, Trichy-621**

## Extension Of Agreement

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

### **Sri Sai Software**

No 2/250 Jeeya, Raghavendra Puram Rd, Tiruchirappalli, Tamil Nadu 620101

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

**Sri Sai Software**



By

**Mr.V.GunaseelaMnaikandan**, 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