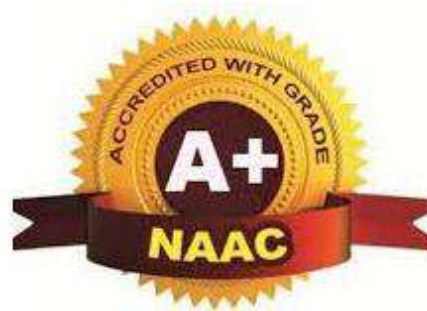


# **SARANATHAN COLLEGE OF ENGINEERING**

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

***Accredited by NBA & NAAC A+***



**Venkateswara Nagar, Panjappur,**

**Tiruchirappalli - 620 012,**

**Tamil Nadu, India.**

**[www.saranathan.ac.in](http://www.saranathan.ac.in)**



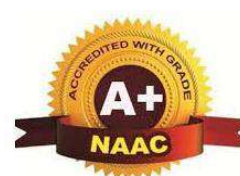
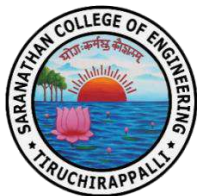
**3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year**

**2022-2023**

# SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)

Venkateswara Nagar, Panjappur, Tiruchirappalli - 620 012, Tamil Nadu.



## INDEX

### CRITERION: 3.5.2

*Number of Collaborative activities for Research, Faculty exchange,  
Student exchange/ Internship during the year*

2022 - 2023

S. No.	Department	Page No.
1.	Civil Engineering	3 - 10
2.	Computer Science Engineering & Information Technology	11 - 106
3.	Electronics and Communication Engineering	107 - 125
4.	Instrumentation and Control Engineering	126 - 159
5.	Mechanical Engineering & Electrical and Electronics Engineering	160 - 174

**Saranathan College of Engineering**  
**Tiruchirappalli - 620 012**

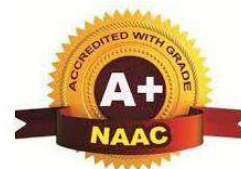
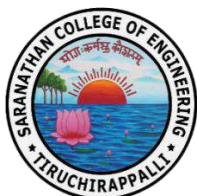


**Civil Engineering**

**SARANATHAN COLLEGE OF ENGINEERING**

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)

Venkateswara Nagar, Panjappur, Tiruchirappalli - 620 012, Tamil Nadu.

**Department of Civil Engineering**

S. No.	MoU	Year of signing MoU	Duration
1.	Irrigation Management Training Institute Main Road, Thuvakudi, Tiruchirappalli - 620 015, Tamil Nadu, India.	2018-2019	Life Membership
2.	Indian Geo Technical Society, Tiruchirappalli, Tamil Nadu, India.	2018-2019	Life Membership



**Irrigation Management Training  
Institute**

**Main Road, Thuvakudi,  
Tiruchirappalli - 620 015  
Tamil Nadu, India.**



தமிழ்நாடு தமில்நாடு TAMIL NADU

21602 சமீபத்திலே தொழில்  
கல்லூரி, திருச்சி  
19 SEP 2018

58AB 136094

D. DHANASEKARAN S.V.  
Munef Court, Trichy.  
License No 16/2000

### Memorandum of Understanding

This Memorandum of Understanding is entered into on this 25<sup>th</sup> of September 2018

Between

**Irrigation Management Training Institute**, (Water Resource Department, P.W.D, Government of Tamilnadu) represented by **Chief Engineer PWD & Director, IMTI**, repugnant to the context or meaning there of will include its successors-in-interest and assigns on the first part.

And

The **Saranathan College of Engineering** located at Tiruchirappalli District, Tamilnadu, India represented by **The Principal**, Saranathan College of Engineering, Tiruchirappalli hereinafter referred to as the SCE (in short), which unless repugnant to the context or meaning thereof, will include its successors-in-interest and assigns on the second part.



*This MoU is signed and extended with the objectives of ushering and strengthening better industry-academic linkages for mutual benefit. The two parties will jointly work towards the common cause with definite vision and missions of long and short-term perspectives.*

## **CLAUSES OF MoU**

1. **Relationships:** *Both the parties will strive to build long term relationship by involving one another as the guest of honours at all functions like technical seminars, symposiums, and Cultural and Promotional events.*
2. **Research:** *Primary purpose of this MoU itself is to involve the advanced research at their own areas of operation of both parties. Accordingly any supports by way Technical Consultancy (Expertise) literature supports (library, advanced software's in computer labs) infrastructure supports (Laboratories and workshops) and other logical supports may be availed to the extend of maintaining secrecy and intellectual property rights of both parties. Either party can opt for augmentations of any facility with mutual consent on investments and utilization. Subsidiary agreements may be made wherever required. Saranathan College of Engineering shall provide all infrastructure facilities, labs and workshops. However the cost involved if any on consumables and labours in conducting experiments shall be charged at actual mutually agreed in advanced. Any significant outcome of any joint research or development activities, arising out of project works shall have equal right to patent the development with due acknowledgement of other party's contribution.*
3. **Consultancy:** *The dedicated faculties on both sides (party) shall act as the consultant / outsourcer and Technical supporter to one another at all technical, administrative, management and R & D areas. The knowledge sharing by consultancy of the expert members are available at free of cost at the regular college/ office functioning hours. Consultancy of the college / office hours if any may be charged accordingly.*
4. **Human Resource & Training:** *Human resources at both sides shall be strengthened by way of conducting Workshops/Lectures/Study camps at regular interval. Both parties shall organize regular / routine training programme to various levels of Technical and managerial manpower of all discipline at a very nominal costs at their respective premises.*

5. **Student Project:** IMTI shall freely engage the student manpower for any of their R & D activities at their works under various schemes like in-plant training minor/major projects etc to benefits both sides equally. IMTI will be the permanent guests of honour of the Saranathan College of Engineering at all institutional programs like the training technical seminars, cultures and other celebrations.

**Disclaimer:** This MoU does not compel or force any party either fully or partly to perform a function or fulfill any commitment agreed upon on best interests. All that agreements made between the parties are only obligatory and not in any way mandatory. It is further made abundantly clear that no third party mediation or arbitration is earnest or warranted. Both the parties shall however meet periodically once in a year alternatively at their respective premises to review the MoU and modify the scope of works if any, depending on the special demands and needs, arises then and there.

Dated on this 25<sup>th</sup> of September 2018 we sign

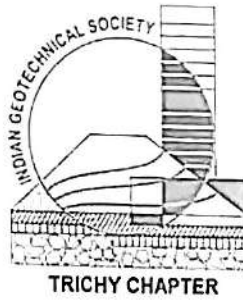
  
Signatory of IMTI  
**DIRECTOR GENERAL**  
Irrigation Management Training  
Institute, Thuvakudi, Trichy - 620 015.



  
Signatory of Saranathan College of Engineering  
**PRINCIPAL**  
Saranathan College of Engineering  
**TRICHY - 12.**



**Indian Geo Technical Society**  
**Tiruchirappalli,**  
**Tamil Nadu, India.**



IGSTRYIM : 005

# INDIAN GEOTECHNICAL SOCIETY TRICHY CHAPTER

This is to certify that

**SARANATHAN COLLEGE OF ENGINEERING  
TIRUCHIRAPPALLI - 620 012**

**was duly admitted by the Executive Committee**

**as**

**INSTITUTIONAL MEMBER**

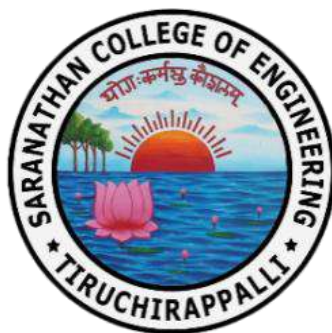
**of the society with all the privileges granted by the constitution  
and bye-laws**

**2019**

  
Secretary

  
Chairman

**Saranathan College of Engineering**  
**Tiruchirappalli - 620 012**



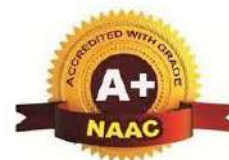
**Computer Science and Engineering**  
**&**  
**Information Technology**



**SARANATHAN COLLEGE OF ENGINEERING**

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)

Venkateswara Nagar, Panjappur, Tiruchirappalli - 620 012, Tamil Nadu.



**Department of Computer Science and Engineering  
&  
Department of Information Technology**

S. No.	MoU	Year of signing MoU	Duration
1.	InLustro Flat No. 102, Ceebros Arcadia, 811, PH Road, Kilpauk, Chennai - 600 010, Tamil Nadu, India.	2020-2021	Life Membership

**InLustro**

**Flat No. 102, Ceebros Arcadia,  
811, PH Road, Kilpauk,  
Chennai - 600 010,  
Tamil Nadu, India.**

# MEMORANDUM OF UNDERSTANDING FOR COLLABORATION

BETWEEN

INLUSTRO

&

SARANATHAN Saranathan College of Engineering OF ENGINEERING,  
TRICHY

This agreement is signed on 19.11.2020 by InLustro, having office at Flat No 102, Ceebros Arcadia, 811 PH Road, Kilpauk, Chennai - 600010, and Saranathan College of Engineering located at Venkateswara Nagar, Trichy-Madurai Main Road (NH 45 B) i Pudhur(Post), Panjappur, Thiruchirappalli - 620012

## Definition of the Parties of the Agreement:

- InLustro is an edutech company that helps bridge the skill gap in today's graduates by training them in contemporary technologies such as Node.js, VCS, Native Mobile App, OpenCV, React, Angular, Python and so on. By supplementing the university curriculum with hands-on learning exercises and real life projects, students will be employment-ready by the time they graduate.
- Saranathan College of Engineering is engaged in academic activities in various disciplines in Engineering, Technology, Sciences and related fields.

## Our Offerings:

InLustro guarantees that we will provide the following offerings, services & opportunities for all the students enrolled in our platform:

- A range of learning materials in the form videos, digital course materials, boilerplate project templates and so on to learn the latest programming languages, algorithms, data structures and modern programming frameworks



- An online portal for students to access the above mentioned course materials anywhere & anytime
- Offer a virtual internship every semester for all the qualified students to work on a real life project, which is going to play a big role for students to be prepared for interviews and real life jobs.
- An opportunity for students to acquire and sharpen crucial soft skills like communication, team building & leadership, as they work in teams to complete their team-based projects
- Live mentorship session to students for guiding them through their course work, at regular intervals
- A platform for the students to continuously engage, collaborate and work with their peers.
- Support final year students, with their project work for the final semester. With the help of dedicated college staff, we will help them select a topic, suggest to them the technologies to be used and the best way of presenting the same. Students will implement the project by themselves from scratch, with relevant guidance from InLustro. This is to ensure that the final year projects bring out the originality and creativity of the students, as a means of encouraging them to push themselves to pursue challenging problems.
- A report about the progress of each student, about their performance and their skill sets acquired through our program
- Excellent references & placement opportunities for top performers in various skill & technology aspect – Mobile Development, Testing, Web Development, Server side scripting, Product & UI Design
- Speaker Series given by Industry experts to widen the students' perspectives and offer them corporate exposure

#### **Expectations from the College:**

In order for this endeavour to succeed we need to base it on the foundation of strong synergy between Saranathan and our platform. We expect the following cooperation & assurance from the College management in order to ensure that our program remains fruitful for all the stakeholders involved.





- Students should be able to allocate at least 3 hours every week during their college hours to work on our courses
- Allocation of an adequate number of staff for each class to supervise the students while they work on our platform. These teachers will also have access to our support team for assistance.
- Encourage and drive the students to work on our courses & Virtual internships during off college hours
- Students can avail access to systems connected to the internet through the college lab while in college and through their laptop while at home in order to access and perform the prescribed learning activities and assignments.
- Assist our team when we conduct bi-annual demo days and other on campus events to boost student engagement

#### **Project Based learning:**

■ Our teaching methodology involves the employment of hands-on learning techniques, predominantly project-based learning, wherein we expect students to work both individually and in teams of predetermined sizes on various real life assignments with relevance to today's business environment

■ There will be three types of projects :

■ **Individual Projects:** These projects include brief learning assignments / competitive programming that a student must complete while studying different course modules. For ex. there will be a course project on say React when he/she is studying that topic on our platform.

■ **Team Projects:** These projects include complex multi-person projects wherein students will be asked to design and build an entire platform/ software offering. They will be required to draw up necessary documentation to support their work and make formal presentations of their work. They will be trained in using Version Control



Systems, Project Tracking Systems and Automated Building, Testing & Deployment frameworks in order to simulate professional working conditions.

■ **Virtual Internships:** Refer to the next section

■ Every semester there will be multiple individual projects (3 or 4) and a single team based project for all students on the platform. The students' performance will be graded and used to assess the students' progress on the platform.

■ There will be a mentoring schedule created for group projects and virtual internships wherein our platform mentors(working for InLustro) will guide students at regular intervals through online sessions.

■ For individual projects we will provide adequate guidance through the platform

■ We are also planning to set up an innovation hub at Saranathan over the next few months wherein 4th year students will be given the guidance and mentorship to work on their own startup ideas with mentorship from industry leads and experts. Students of exceptional caliber from the second and third years will also be picked to work in a team led by 4th year students. This however will not to be rolled out in the near future. It is in the pipeline for the subsequent rollouts(depending on willingness and cooperation from the institution) .

**Virtual Internships:**

These will be offered only to select students unlike the earlier two. They are real life projects proposed by different firms.

▪ Students will be asked to sign an official contract with these firms and each student will be assigned a mentor who will be a faculty from college who will take personal responsibility for guiding and motivating the student to complete the professional undertaking.

▪ Students will be offered Internship certificates upon successful completion. Stipend structure will vary depending on the assignments undertaken and the company that rolls out the internship offer.



▪ The entire internship will be online and will not involve travelling to the firm's actual location.

▪ Students of high caliber and demonstrable commitment will be handpicked by Inlustro in collaboration with the faculty. This virtual internship offer shall be given only to such students keeping in mind the nature of the accountability involved in such projects.

#### **VALIDITY OF THE MOU**

- a. This MOU shall be effective from the date of its approval by both the parties entering into the agreement and shall continue until any new terms are included or a new MOU is requested by either of the parties.
- b. Any clause or article of the MOU may be modified or amended after a mutual agreement of the InLustro and the **Saranathan College of Engineering**.

#### **CONFIDENTIALITY**

- a. During the tenure of the MOU both INLUSTRO and Saranathan College of Engineering will maintain strict confidentiality and prevent disclosure of all the information and data exchanged under the scope of this MOU for any purpose other than in accordance with this MOU.
- b. Both INLUSTRO and Saranathan College of Engineering shall bind their respective personnel who came into possession or knowledge of any confidential information not to disclose the same to third parties without written approval of the disclosing party or use such confidential information for any use other than intended under this agreement.
- c. Further, both INLUSTRO and Saranathan College of Engineering shall put in place adequate and reasonable measures to keep and store confidential information secure so as to prevent any unauthorized use.
- d. CONFIDENTIAL INFORMATION shall mean any proprietary information, data or facts belonging to PARTIES collectively or severally, disclosed by the disclosing party under this agreement or any subsequent agreement, whether in writing, verbal or electrically, or with any other words having similar meaning by the disclosing





party, or specifically agreed to be kept confidential by the parties, or declined or identified so by the disclosing party before such disclosure or during the discussions.

### **DEFRAYALS INVOLVED**

For all the students enrolled on our platform irrespective of the department and the year they are in the fee shall be INR 2360 per student per semester. If there's any raise in our fee structure, it will be applicable only for students who enrol in our platform from the following year, 2021.

### **RESOLUTION OF DISPUTES**

The dispute or difference whatsoever arises between parties in relation to or in connection with this agreement both the parties shall first try to resolve the dispute/difference amicably between themselves, failing which the matter shall be referred to and settled through arbitration. The arbitration proceedings shall be held in accordance with the provision of Indian Arbitration and Reconciliation ACT, 1996. The venue of arbitration shall be Chennai and Language of arbitration shall be English.

### **MODIFICATION AND NOTICE**

Any modification of the agreement can be done with a concern from disclosing and receiving party. All notification between the Parties relating to this agreement must be made in writing or formal mail communication by someone who is authorized.

For The Institution  
Dr. D. Valavan  
Principal

**PRINCIPAL**  
**Saranathan College of Engineering**  
**TRICHY - 12.**



For InLustro  
Mr. Aditya Sambamoorthy  
Founder and Director

Mr. Niwin Santhosh  
Co-Founder and Director



# SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-600025)

## Inlustr Certification Course on Data Structures and Algorithms August 2022 to November 2022 (ODD SEMESTER)

### (II year CSE)

Sl.	Batch No.	Reg. no.	Name
1	241001	813821104001	AADHESH. D
2	241002	813821104002	AARTHI MAHALAKSHMI. V
3	241003	813821104003	ABARNA. T C
4	241004	813821104004	ABINAYA. B D
5	241005	813821104005	ABIRAMI. V
6	241006	813821104006	AGALYA. S
7	241007	813821104007	AGNES STEFFI. A
8	241008	813821104008	AKASH. S
9	241009	813821104009	AKSHAYA SHREE. S
10	241010	813821104010	ALAAGAMMAI. S
11	241011	813821104011	ALAN J JOHN
12	241012	813821104012	AMRISHKANNA. R
13	241013	813821104013	ARAVINDHAN. A
14	241015	813821104015	ASHLEY REBECCA. R
15	241016	813821104016	ASLIN. A
16	241017	813821104017	ATHITHYA. A
17	241018	813821104018	AVANTHIKA. M G
18	241019	813821104019	BARATH. B
19	241020	813821104020	BHUVANA. D
20	241021	813821104021	CAUVERY. R
21	241022	813821104022	CHAARUBHALA. S
22	241023	813821104023	DARWIN SHIYAM. B
23	241024	813821104024	DEEPIKA. D
24	241025	813821104025	DEEPIKA. S
25	241026	813821104026	DENITA. P
26	241027	813821104027	DHANENDRAN. S
27	241028	813821104028	DHANUSHAVARTHINI. S
28	241029	813821104029	DHARANIDHARAN. P
29	241030	813821104030	DHARSHNI. B
30	241031	813821104031	DHINESHKUMAR. S
31	241032	813821104032	DIVYA VAISHNAVI. V
32	241033	813821104033	ERAIARUL. K
33	241034	813821104034	ESWARA PANDIYAN. K
34	241035	813821104035	FARIYA RAHMATH. N
35	241036	813821104036	FRANCLIN. E
36	241037	813821104039	GAYATHRI DEVY. S
37	241038	813821104037	GAYATHRI. K
38	241039	813821104038	GAYATHRI. R
39	241040	813821104040	GOKUL. S
40	241041	813821104041	GOKULA KRISHNAN. S
41	241042	813821104042	GOPPYKRISHNA. M
42	241043	813821104043	GURULAKSHMI. S
43	241044	813821104047	HARI PRASATH. R B
44	241045	813821104044	HARIHARAN. T
45	241046	813821104045	HARIKARAN. M
46	241048	813821104048	JALANDHARA. A K
47	241049	813821104049	JANANI SAKTHIVEL. S
48	241051	813821104051	JEMIMA GLADYS THANGAM. R
49	241052	813821104052	JOCELYN. A
50	241053	813821104053	JOHNSON. P

*[Signature]*  
H.O.D. (CSE)  
Saranathan College of Engg.,  
Trichy - 620 012.

Sl. No.	Batch No.	Reg. No.	Name
51	241054	813821104054	KABILAN. N L
52	241056	813821104056	KAUSIK. T
53	241057	813821104057	KHRUSANTH. S
54	241058	813821104058	KIRUTHIKA. K
55	241059	813821104059	KISHORE KUMAR.
56	241060	813821104060	MARCIA JAYSEE. J
57	241061	813821104061	MOHAMED ABRAR.
58	241062	813821104062	MONISHA. J
59	241063	813821104063	MOTHILAL. K
60	241129	813821104302	GOPALAKRISHNAN
61	241134	813821104305	MOHAMED IJAS. F
62	241064	813821104064	NAGA
63	241066	813821104066	NAVEEN. M V
64	241067	813821104067	NAVEEN. P
65	241068	813821104068	NAVIN. M
66	241069	813821104069	PAVITHRA. S
67	241070	813821104070	PRADEEP KUMAR.
68	241073	813821104073	PRIYADHARSHNI.
69	241074	813821104074	PURUSOTH. K R
70	241075	813821104075	RENEIL JOSHUA. S
71	241076	813821104076	RENITA. P
72	241078	813821104078	RINOZ FATHIMA. J
73	241080	813821104080	ROSHINI. R
74	241079	813821104079	RIYAZ KHAN. K I
75	241081	813821104081	SACHIDANANDAM.
76	241084	813821104082	SAICHARAN. P
77	241085	813821104084	SAMUEL
78	241086	813821104085	SANAFAR
79	241087	813821104086	SANGEETHARASU.
80	241088	813821104087	SANTHOSH. S
81	241090	813821104089	SHAFRIN SHA. R S
82	241093	813821104092	SHRIJA. J
83	241096	813821104095	SIVACHARAN. V
84	241097	813821104096	SIVAKARTHIKEYA
85	241101	813821104100	SRIRAM. A
86	241102	813821104101	SRIRAM. K R
87	241103	813821104102	SUDARSAN. S
88	241105	813821104104	SURENDRAN. B R
89	241106	813821104105	SURIYA PRAKASH.
90	241109	813821104108	SYED MASOOD. S
91	241112	813821104111	THOLKAPPIYAN. M
92	241117	813821104116	VETRI SELVAN. S R
93	241119	813821104117	VIGNESH. L
94	241120	813821104118	VIGNESH. S
95	241121	813821104120	VIJAY AADHITYA.
96	241123	813821104122	VINITH. K
97	241124	813821104123	VISHWA. N
98	241125	813821104124	VISNU PRIYAA. B
99	241126	813821104125	YUVARAJ. S
100	241127	813821104301	BHARATH. J B

  
**H.O.D. (CSE)**  
 Saranathan College of Engg.,  
 Trichinopoly - 620 012.

Sl. No.	Batch No.	Reg. No.	Name
101	241131	813821104307	RANJITH. M
102	241132	813821104308	VIGNESH. K
103	241098	813821104097	SREE SUVETHA. G
104	241110	813821104109	TEJESHWAR. M
105	241047	813821104046	HARINI. P R [02-
106	241050	813821104050	JANANI
107	241055	813821104055	KARTHICK. M [02-
108	241072	813821104072	PRAGADISWAR. R
109	241077	813821104077	REVATHI. N [12-
110	241082	813821104083	SAI PRASATH. S
111	241089	813821104088	SETHUMADHAVAN
112	241091	813821104090	SHIVANI. M J [20-
113	241092	813821104091	SHIVANI. S [12-
114	241094	813821104093	SHWETHA. B [23-
115	241071	813821104071	PRAGADEESHWAR
116	241100	813821104099	SRILEKHA. A [25-
117	241104	813821104103	SUJI. P [22-JUL-04]
118	241107	813821104107	SURYA PRAKASH.
119	241111	813821104110	THANZIA. Z [31-
120	241115	813821104114	VARSHA. P [11-
121	241116	813821104115	VELVIZHI. V V [06-
122	241118	813821104119	VIGNESH WARAN.
123	241122	813821104121	VIJAYA VARMAN. T
124	241130	813821104306	PRAKASH. S [09-
125	221116	813821104501	VINISHA. G [22-

  
**H.O.D. ( CSE )**  
 Saravethan College of Engg.,  
 Trichingudi - 629 012.



















































# SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-600025)

## **Inlustr Certification Course on Full Stack Development using MERN** **August 2022 to November 2022 (ODD SEMESTER)** **(III year CSE)**

Sl. No.	Batch no.	Reg. No.	Name
1	231001	813820104001	AADHITHYAN. S P
2	231002	813820104002	ABBHINOV. B R
3	231003	813820104003	ABDUL HAFEEZ AHMED. N
4	231004	813820104004	ABDUL VAJITH. M
5	231005	813820104005	AFREEN. A
6	231006	813820104006	AJAY. S
7	231007	813820104007	ALAN JAMEY. M
8	231008	813820104008	ALMASDIVAN. K
9	231009	813820104009	ANANDA DHARSHINEE. M S
10	231010	813820104010	ANUSUYA. T
11	231011	813820104011	APARNA GAYATHRI. N
12	231012	813820104012	APARNA. D R
13	231013	813820104014	ARUN PRASAD. S
14	231014	813820104013	ARUNKUMAR. M
15	231015	813820104015	ASHIQ MOHAMMED. R
16	231016	813820104016	BHARATH. S
17	231017	813820104017	BHARATHIRAJA. C
18	231018	813820104018	BHAVYA SRII. A
19	231019	813820104019	BOOMESWAR. A
20	231020	813820104020	CYRIL LIVIYAN. L
21	231021	813820104021	DEVARANI.S
22	231022	813820104022	DEVASANA. K
23	231023	813820104023	DHANUSH. M
24	231024	813820104024	DHARANI. M
25	231025	813820104025	DHEEPIKA. R
26	231026	813820104026	DHINESH KUMAR. S
27	231027	813820104027	DHIVYA DHARSHINI. P
28	231028	813820104028	FELICIA. A
29	231029	813820104029	GIRIDHAR B
30	231030	813820104030	GLADSON RENNIS. S
31	231031	813820104031	GOKULA VADHANA. S
32	231032	813820104032	GUHAN. M
33	231033	813820104033	GUNANANDHINI S
34	231034	813820104034	GURUPRAMODH. R
35	231035	813820104036	HARI PRIYA. N
36	231036	813820104035	HARINI. K
37	231037	813820104037	HARISH. R
38	231038	813820104038	HEMA MALINI. R
39	231039	813820104039	INDUMATHI. S
40	231040	813820104040	JASWANTH. R
41	231041	813820104041	JAYAJANANI. S
42	231042	813820104042	JEEVA SURIYA. S
43	231043	813820104043	KALAI SELVAN. K
44	231044	813820104044	KALAIYARASAN. M
45	231045	813820104045	KAVERY. S

  
H.O.D. (CSE)  
Saranathan College of Engg.,  
Trichinopoly - 620 012.

Sl. No.	Batch no.	Reg. No.	Name
46	231046	813820104046	KAVIN. P
47	231047	813820104047	KAVIYAPRIYA. M
48	231048	813820104048	KAVYA. S
49	231049	813820104049	KAVYA. S
50	231050	813820104050	KEERTHANA. S
51	231051	813820104051	KIRUTHIKA. K
52	231052	813820104053	LAVANYA. M
53	231053	813820104054	LEKSHMI PPRABHA. B S
54	231054	813820104055	LOGESH. R
55	231055	813820104056	MADHUVANTHI. K
56	231056	813820104057	MAGIMA. V M
57	231057	813820104058	MAHESH KUMAR. R
58	231058	813820104059	MALATHY. M
59	231059	813820104060	MANO. S
60	231060	813820104061	MANOJ BHAVVAN. B
61	231124	813820104305	SANDEEP. M
62	231061	813820104062	MARTHINI. S V
63	231062	813820104063	MOHAMED ASHIK. A
64	231063	813820104065	MOHAMED NABEEL. M
65	231064	813820104066	MOHANA. S
66	231065	813820104067	MONIKA. S
67	231066	813820104068	NANDHANA. S V
68	231067	813820104069	NATHAMUNI. S R
69	231068	813820104070	NAVAB SHERIFF. J
70	231069	813820104071	NEHA. R K
71	231070	813820104072	NIRMAL. P
72	231071	813820104073	NITHIS KUMAR. P
73	231072	813820104074	NITHYA. C S
74	231073	813820104075	NITHYA. K
75	231074	813820104076	NIVAS. T S
76	231075	813820104077	NIVATHAA. G
77	231076	813820104078	NOWSHIN FATHIMA. M
78	231077	813820104079	PALLAVI. M
79	231078	813820104080	PARTHIGA. R
80	231079	813820104082	POOJA TANAJI MALI
81	231080	813820104081	POOJA. G
82	231081	813820104083	POORVASHA V
83	231082	813820104084	PRASANNA PRIYAN. R M
84	231083	813820104085	PRASHANTIKA. S
85	231084	813820104086	PREETHI. G
86	231085	813820104087	PRIYA DHARSHINI. P
87	231086	813820104088	RAAJESH. I
88	231088	813820104090	RAJESH KUMAR. K
89	231089	813820104091	RITHIKA. S
90	231090	813820104092	SANJAI. P
91	231091	813820104093	SANJAYKUMAR. S V
92	231092	813820104094	SHABARISH. M
93	231093	813820104095	SHALIK AHMED
94	231094	813820104096	SHALINI. A
95	231095	813820104097	SHANMUGAPRIYAN. P
96	231096	813820104098	SHINY ALOYSIA. A
97	231097	813820104099	SHRUTHI NANDITHA. P
98	231098	813820104100	SHYAM SUNDER. S
99	231099	813820104101	SIVA KUMAR. A
100	231100	813820104103	SONALAKSHME. S

Sl. No.	Batch no.	Reg. No.	Name
101	231101	813820104104	SORNAPPRIYA R
102	231102	813820104105	SOWMEYA. V
103	231103	813820104106	SRIVATHSAN. S
104	231104	813820104107	SUBARAJAN A
105	231105	813820104108	SUBIN RAJ. P
106	231106	813820104109	SURYA N
107	231108	813820104111	SYEDA SHERIN. S
108	231109	813820104112	THIRISHA HELEN. J
109	231110	813820104113	THIRUVENKADAM. S
110	231111	813820104115	VARSHA SREE. K
111	231112	813820104114	VARSHA. G
112	231113	813820104116	VARSHINI. N
113	231114	813820104117	VIGNESHWARAN. N
114	231115	813820104118	VISHNURAM. K
115	231116	813820104119	VIVIAN JOSEPH. A
116	231118	813820104064	MOHAMED IBRAHIM. R
117	231119	813820104052	KISHORE KUMAR. H
118	231120	813820104303	LOGESH. R
119	231123	813820104302	HARINI. S

  
**H.O.D. (CSE)**  
 Saravasthan College of Engg.,  
 Trichinopoly - 620 012.

---





















































# SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-600025)

## Inlustrto Certification Course on Artificial Intelligence(ML)

August 2022 to November 2022 (ODD SEMESTER)

(IV year CSE)

Sl.	Reg. no.	Name
1	813819104002	ABILASH S
2	813819104003	AISWARYA. S.G
3	813819104005	AHMED YAHYA A
4	813819104006	AISHWARYA BB
5	813819104007	AISHWARYA P
6	813819104009	ALMAAS. T
7	813819104010	ANUSHREE.A
8	813819104011	ARCHANA K
9	813819104012	ARUNA A.P
10	813819104014	ASHWIN.R
11	813819104015	ASHWIN KUMAR JP
12	813819104016	ASWIN VISVESWAR
13	813819104017	BALA SARAVANAN C
14	813819104019	BRUNDASHREE R
15	813819104020	BRUNDHA. S
16	813819104021	CHETANAPPRIYA K.L
17	813819104022	DEEPAK S
18	813819104023	DEEPAKKUMAR G
19	813819104024	DHANALAKSHMI. M
20	813819104026	DHIVAKAR B
21	813819104027	GAYATHRI.S
22	813819104028	GIRI KARTHICK GR
23	813819104029	GOKUL K V
24	813819104030	GOWRAV KRISHNA V
25	813819104031	GUHAN .S
26	813819104032	HARESH KRISHNARAJ. R
27	813819104033	HARIDHANUSH R
28	813819104034	HARIHARAN A T
29	813819104035	HARINIVAS SN
30	813819104036	JEEVANANTHAM.T
31	813819104037	JEMIMA BLESSY.R
32	813819104038	JESILA FOUMIYA.Z
33	813819104040	KAREESHINI.S
34	813819104042	KARTHICK T
35	813819104043	KARTHIKEYAN S
36	813819104044	KAVYA.M
37	813819104045	KEERTHIKA.E
38	813819104046	KIRUTHIKA J
39	813819104048	KOUSIC A
40	813819104048	MADHUMITHA. R
41	813819104049	MAHALAKSHMI.P
42	813819104050	MAHESHWARAN P
43	813819104051	MAHESWARAN M
44	813819104052	MANIMOZHI.N
45	813819104053	MAYURI K. B.
46	813819104054	MICHAEL JONES J
47	813819104055	MUKESH MANIKANDAN. M
48	813819104056	MUTHULAKSMY P
49	813819104057	MUTHURAAJ. KJ
50	813819104058	NAGARAJ R

*[Signature]*  
H.O.D. (CSE)  
Saranathan College of Engg.  
Trichinopoly - 620 012.

Sl. No.	Reg. No.	Name
51	813819104059	NANCY PRICILLA .R
52	813819104073	RAJARATNAM KAWSHIKA
53	813819104084	SANOFER FATHIMA. A R
54	813819104301	DEEPIKA. S
55	813819104302	HARSHINI P
56	813819104701	MANASHI. V J
57	813919010400	AHAMED JAMALDEEN S
58	813819104060	NANDHINI. T
59	813819104061	NIHILA. A
60	813819104062	NISHANTHI. R
61	813819104063	NITHIN. T
62	813819104064	PRAIMATHI. K
63	813819104067	PRIYADARSHANI. S
64	813819104068	PRIYADHARSHAN. Y
65	813819104069	PRIYADHARSHINI. N K
66	813819104070	RAGASUDHA. S
67	813819104071	RAGUL. K
68	813819104072	RAJARAJESHWARI. A
69	813819104074	RAKSSHANNA. M P
70	813819104075	RAMYA. S
71	813819104076	RHUBIKA. M
72	813819104077	ROHIT. M
73	813819104078	ROSHAN AKTHAR. S
74	813819104079	SABARI. P
75	813819104080	SAHANA PARVEEN. M
76	813819104081	SAMVARTHINI. C
77	813819104082	SANGEETHA. R
78	813819104083	SANJAY KUMAR. S
79	813819104085	SANTHOSH. S
80	813819104086	SARANYA. R S
81	813819104087	SASI KANTH. P
82	813819104088	SATHISH KUMAR. V
83	813819104089	SENTIL KUMARAN. J.L
84	813819104090	SHEIMA LATHA . J
85	813819104091	SHERLIN RETNA. R
86	813819104092	SHIVAANI. R
87	813819104093	SHREE VATHSAN. R
88	813819104094	SHRI VARDHINI. M
89	813819104095	SIVARAM. N
90	813819104096	SOMAKARTHI. P
91	813819104097	SRIDEVI. J
92	813819104098	SRIRAM GANESH. P
93	813819104099	SRITHY. P
94	813819104100	SUBASHREE. H
95	813819104101	SUJA MARSHALIN. P
96	813819104102	SUJITHA. T
97	813819104103	SUJJIT. D S
98	813819104105	SUNDARRAJAN. S
99	813819104106	SUSHMITHA. R S
100	813819104107	SUVEDHA. M
101	813819104108	TAMIL SELVAN. P
102	813819104109	THANGAM. A
103	813819104111	THIYAGARAJAN. S
104	813819104112	VAISHNAVI. B
105	813819104119	YESHVAANTH. A
106	813819104303	HENRY JONES. P
107	813819104304	RAMABATHREN. L













































# SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-600025)

## **Inlusto Certification Course on Enterprise Python** **January 2023 to April 2023 (EVEN SEMESTER)** **(II year CSE)**

Sl. No.	Batch no.	Reg. No.	Name
1	241001	813821104001	AADHESH. D
2	241002	813821104002	AARTHI MAHALAKSHMI. V
3	241003	813821104003	ABARNA. T C
4	241004	813821104004	ABINAYA. B D
5	241005	813821104005	ABIRAMI. V
6	241006	813821104006	AGALYA. S
7	241007	813821104007	AGNES STEFFI. A
8	241008	813821104008	AKASH. S
9	241009	813821104009	AKSHAYA SHREE. S
10	241010	813821104010	ALAAGAMMAI. S
11	241011	813821104011	ALAN J JOHN
12	241012	813821104012	AMRISHKANNA. R
13	241013	813821104013	ARAVINDHAN. A
14	241015	813821104015	ASHLEY REBECCA. R
15	241016	813821104016	ASLIN. A
16	241017	813821104017	ATHITHYA. A
17	241018	813821104018	AVANTHIKA. M G
18	241019	813821104019	BARATH. B
19	241020	813821104020	BHUVANA. D
20	241021	813821104021	CAUVERY. R
21	241022	813821104022	CHAARUBHALA. S
22	241023	813821104023	DARWIN SHIYAM. B
23	241024	813821104024	DEEPIKA. D
24	241025	813821104025	DEEPIKA. S
25	241026	813821104026	DENITA. P
26	241027	813821104027	DHANENDRAN. S
27	241028	813821104028	DHANUSHAVARTHINI. S
28	241029	813821104029	DHARANIDHARAN. P
29	241030	813821104030	DHARSHNI. B
30	241031	813821104031	DHINESHKUMAR. S
31	241032	813821104032	DIVYA VAISHNAVI. V
32	241033	813821104033	ERAIARUL. K
33	241034	813821104034	ESWARA PANDIYAN. K
34	241035	813821104035	FARIYA RAHMATH. N
35	241036	813821104036	FRANCLIN. E
36	241037	813821104039	GAYATHRI DEVY. S
37	241038	813821104037	GAYATHRI. K
38	241039	813821104038	GAYATHRI. R
39	241040	813821104040	GOKUL. S
40	241041	813821104041	GOKULA KRISHNAN. S
41	241042	813821104042	GOPPYKRISHNA. M
42	241043	813821104043	GURULAKSHMI. S
43	241044	813821104047	HARI PRASATH. R B
44	241045	813821104044	HARIHARAN. T
45	241046	813821104045	HARIKARAN. M
46	241048	813821104048	JALANDHARA. A K
47	241049	813821104049	JANANI SAKTHIVEL. S
48	241051	813821104051	JEMIMA GLADYS THANGAM. R
49	241052	813821104052	JOCELYN. A
50	241053	813821104053	JOHNSON. P

Sl. No.	Batch no.	Reg. No.	Name
51	241054	813821104054	KABILAN. N L
52	241056	813821104056	KAUSIK. T
53	241057	813821104057	KHRUSANTH. S
54	241058	813821104058	KIRUTHIKA. K
55	241059	813821104059	KISHORE KUMAR. M S
56	241060	813821104060	MARCIA JAYSEE. J
57	241061	813821104061	MOHAMED ABRAR. M
58	241062	813821104062	MONISHA. J
59	241063	813821104063	MOTHILAL. K
60	241129	813821104302	GOPALAKRISHNAN. T
61	241134	813821104305	MOHAMED IJAS. F
62	241064	813821104064	NAGA SHARAVANESH. S
63	241066	813821104066	NAVEEN. M V
64	241067	813821104067	NAVEEN. P
65	241068	813821104068	NAVIN. M
66	241069	813821104069	PAVITHRA. S
67	241070	813821104070	PRADEEP KUMAR. M
68	241071	813821104071	PRAGADEESHWARAN. S
69	241073	813821104073	PRIYADHARSHNI. M
70	241074	813821104074	PURUSOTH. K R
71	241075	813821104075	RENEIL JOSHUA. S
72	241076	813821104076	RENITA. P
73	241078	813821104078	RINOZ FATHIMA. J
74	241079	813821104079	RIYAZ KHAN. K I
75	241080	813821104080	ROSHINI. R
76	241081	813821104081	SACHIDANANDAM. K
77	241084	813821104082	SAICHARAN. P
78	241085	813821104084	SAMUEL STEWART. M J
79	241086	813821104085	SANAFAR FARHANA. S
80	241087	813821104086	SANGEETHARASU. A
81	241088	813821104087	SANTHOSH. S
82	241090	813821104089	SHAFRIN SHA. R S
83	241093	813821104092	SHRIJA. J
84	241096	813821104095	SIVACHARAN. V
85	241097	813821104096	SIVAKARTHIKEYAN. D
86	241101	813821104100	SRIRAM. A
87	241102	813821104101	SRIRAM. K R
88	241103	813821104102	SUDARSAN. S
89	241105	813821104104	SURENDRAN. B R
90	241106	813821104105	SURIYA PRAKASH. M
91	241109	813821104108	SYED MASOOD. S
92	241110	813821104109	TEJESHWAR. M
93	241112	813821104111	THOLKAPPIYAN. M
94	241117	813821104116	VETRI SELVAN. S R
95	241119	813821104117	VIGNESH. L
96	241120	813821104118	VIGNESH. S
97	241121	813821104120	VIJAY AADHITYA. A
98	241123	813821104122	VINITH. K
99	241124	813821104123	VISHWA. N
100	241125	813821104124	VISNU PRIYAA. B
101	241126	813821104125	YUVARAJ. S
102	241127	813821104301	BHARATH. J B
103	241131	813821104307	RANJITH. M
104	241132	813821104308	VIGNESH. K
105	241133	813821104304	MOHAMED ASLAM. A
106	241114	813821104113	VAIRAVAN. M

  
**H.O.D. ( CSE )**  
 Saravanan College of Engg.  
 Trichinopoly - 620 012.









































# CERTIFICATE OF COMPLETION

This Certifies that

**Surya Prakash. G**

II CSE B at **Saranathan College of Engineering** has successfully  
completed the **Enterprise Python** course  
(January 2023 to April 2023)

**Aditya Sambamoorthy**  
Founder & CEO



**InLustro**



# CERTIFICATE OF COMPLETION

This Certifies that

**Samuel Stewart. M J**

II CSE B at **Saranathan College of Engineering** has successfully  
completed the **Enterprise Python** course  
(January 2023 to April 2023)

**Aditya Sambamoorthy**  
Founder & CEO



**InLustro**



# SARANATHAN COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-600025)

## **Inlustrro Certification Course on Building Real Life AI Applications** **January 2023 to April 2023 (EVEN SEMESTER)** **(III year CSE A)**

Sl. No.	Batch No.	Reg. No.	Name
1	231001	813820104001	AADHITHYAN. S P
2	231002	813820104002	ABBHINOV. B R
3	231003	813820104003	ABDUL HAFEEZ AHMED. N
4	231004	813820104004	ABDUL VAITH. M
5	231005	813820104005	AFREEN. A
6	231006	813820104006	AIAY. S
7	231007	813820104007	ALAN JAMEY. M
8	231008	813820104008	ALMASDIVAN. K
9	231009	813820104009	ANANDA DHARSHINEE. M S
10	231010	813820104010	ANUSUYA. T
11	231011	813820104011	APARNA GAYATHRI. N
12	231012	813820104012	APARNA. D R
13	231013	813820104014	ARUN PRASAD. S
14	231014	813820104013	ARUNKUMAR. M
15	231015	813820104015	ASHIQ MOHAMMED. R
16	231016	813820104016	BHARATH. S
17	231017	813820104017	BHARATHIRAJA. C
18	231018	813820104018	BHAVYA SRII. A
19	231019	813820104019	BOOMESWAR. A
20	231020	813820104020	CYRIL LIVIYAN. L
21	231021	813820104021	DEVARANIS
22	231022	813820104022	DEVASANA. K
23	231023	813820104023	DHANUSH. M
24	231024	813820104024	DHARANI. M
25	231025	813820104025	DHEEPIKA. R
26	231026	813820104026	DHINESH KUMAR. S
27	231027	813820104027	DHIYVA DHARSHINI. P
28	231028	813820104028	FELICIA. A
29	231029	813820104029	GIRIDHAR. B
30	231030	813820104030	GLADSON RENNIS. S
31	231031	813820104031	GOKULA VADHANA. S
32	231032	813820104032	GUHAN. M
33	231033	813820104033	GUNANANDHINI. S
34	231034	813820104034	GURUPRAMODH. R
35	231035	813820104036	HARI PRIYA. N
36	231036	813820104035	HARINI. K
37	231037	813820104037	HARISH. R
38	231038	813820104038	HEMA MALINI. R
39	231039	813820104039	INDUMATHI. S
40	231040	813820104040	IASWANTH. R
41	231041	813820104041	IYAJANANI. S
42	231042	813820104042	IEEVA SURIYA. S
43	231043	813820104043	KALAI SELVAN. K
44	231044	813820104044	KALAIYARASAN. M
45	231045	813820104045	KAVERY. S
46	231046	813820104046	KAVIN. P
47	231047	813820104047	KAVIYAPRIYA. M
48	231048	813820104048	KAVYA. S
49	231049	813820104049	KAVYA. S
50	231050	813820104050	KEERTHANA. S
51	231051	813820104051	KIRUTHIKA. K
52	231052	813820104053	LAVANYA. M
53	231053	813820104054	LEKSHMI PPRABHA. B S
54	231054	813820104055	LOGESH. R
55	231055	813820104056	MADHUVANTHI. K
56	231056	813820104057	MAGIMA. V M
57	231057	813820104058	MAHESH KUMAR. R
58	231058	813820104059	MALATHY. M
59	231059	813820104060	MANO. S
60	231060	813820104061	MANOJ BHAVVAN. B



Sl. No.	Batch No.	Reg. No.	Name
61	231122	813820104306	SIVAGAMI. S
62	231124	813820104305	SANDEEP. M
63	231126	813820104307	THRIKSHA. V
64	231061	813820104062	MARTHINI. S V
65	231062	813820104063	MOHAMED ASHIK. A
66	231063	813820104065	MOHAMED NABEEL. M
67	231064	813820104066	MOHANA. S
68	231065	813820104067	MONIKA. S
69	231066	813820104068	NANDHANA. S V
70	231067	813820104069	NATHAMUNI. S R
71	231068	813820104070	NAVAB SHERIFF. I
72	231069	813820104071	NEHA. R K
73	231070	813820104072	NIRMAL. P
74	231071	813820104073	NITHIS KUMAR. P
75	231072	813820104074	NITHYA. C S
76	231073	813820104075	NITHYA. K
77	231074	813820104076	NIVAS. T S
78	231075	813820104077	NIVATHAA. G
79	231076	813820104078	NOWSHIN FATHIMA. M
80	231077	813820104079	PALLAVI. M
81	231078	813820104080	PARTHIGA. R
82	231079	813820104082	POOIA TANAI MALI
83	231080	813820104081	POOIA. G
84	231081	813820104083	POORVASHA V
85	231082	813820104084	PRASANNA PRIYAN. R M
86	231083	813820104085	PRASHANTIKA. S
87	231084	813820104086	PREETHI. G
88	231085	813820104087	PRIYA DHARSHINI. P
89	231086	813820104088	RAAIESH. I
90	231088	813820104090	RAJESH KUMAR. K
91	231089	813820104091	RITHIKA. S
92	231090	813820104092	SANIAI. P
93	231091	813820104093	SANIAYKUMAR. S V
94	231092	813820104094	SHABARISH. M
95	231093	813820104095	SHALIK AHMED
96	231094	813820104096	SHALINI. A
97	231095	813820104097	SHANMUGAPRIYAN. P
98	231096	813820104098	SHINY ALOYSIA. A
99	231097	813820104099	SHRUTHI NANDITHA. P
100	231098	813820104100	SHYAM SUNDER. S
101	231099	813820104101	SIVA KUMAR. A
102	231100	813820104103	SONALAKSHME. S
103	231101	813820104104	SORNAPPRIYA R
104	231102	813820104105	SOWMEYA. V
105	231103	813820104106	SRIVATHSAN. S
106	231104	813820104107	SUBARAIAN. A
107	231105	813820104108	SUBIN RAI. P
108	231106	813820104109	SURYA. N
109	231107	813820104110	SUSMITHA. T
110	231108	813820104111	SYEDA SHERIN. S
111	231109	813820104112	THIRISHA HELEN. I
112	231110	813820104113	THIRUVENKADAM. S
113	231111	813820104115	VARSHA SREE. K
114	231112	813820104114	VARSHA. G
115	231113	813820104116	VARSHINI. N
116	231114	813820104117	VIGNESHWARAN. N
117	231115	813820104118	VISHNURAM. K
118	231116	813820104119	VIVIAN JOSEPH. A
119	231117	813820104102	SNEHA. M
120	231118	813820104064	MOHAMED IBRAHIM. R
121	231119	813820104052	KISHORE KUMAR. H
122	231120	813820104303	LOGESH. R
123	231121	813820104301	ABDUL WASIV. H
124	231123	813820104302	HARINI. S















































**Saranathan College of Engineering**  
**Tiruchirappalli - 620 012**



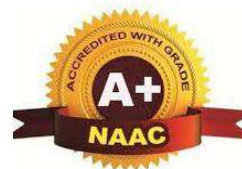
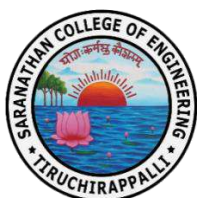
**Electronics and Communication Engineering**



**SARANATHAN COLLEGE OF ENGINEERING**

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)

Venkateswara Nagar, Panjappur, Tiruchirappalli - 620 012, Tamil Nadu.

**Department of Electronics and Communication Engineering**

S. No.	MoU	Year of signing MoU	Duration
1.	Tesla Minds Temple Tower, 4 <sup>th</sup> Floor, Vison Tech Park, Anna Salai, Chennai - 600035, Tamil Nadu, India.	2020-2021	3 Years
2.	OPTITHOUGHT 32/78 Easwardoss Street, Triplicane, Chennai - 600 005, Tamil Nadu, India.	2020-2021	3 Years
3.	Vi Microsystems Pvt. Ltd., 75, Electronics Estate, Perungudi, Chennai - 600 096, Tamil Nadu, India.	2017-2018	Life Membership
4.	RAAJ CONSULTING AND TECHNOLOGY SERVICES (RAACTS) 75, No 10B-3, New No. 5, I floor, 11th Cross, Thillai Nagar (East), Ramachadirapuram, Thennur (P.O), Trichy - 620 011, Tamil Nadu, India.	2017-2018	Life Membership

**Tesla Minds**

**Temple Tower, 4<sup>th</sup> Floor,  
Vison Tech Park, Anna Salai,  
Chennai - 600 035,  
Tamil Nadu, India.**



தமிழ்நாடு தமிலநாடு TAMIL NADU 26-2-2021

87AB 154986

Saranathan College of Engg  
Dept. of ECE  
Panjappur, Trichy.

K. பாலுமகேந்திரன்  
மு.தா.வி. சமயபுரம் டோல்கேட்  
திருச்சி. தமிழ்நாடு  
உரிமம் எண். 3/2015

### MEMORUNDUM OF UNDERSTANDING

This Memorandum of Understanding entered into on 2<sup>nd</sup> March, 2021 at Tiruchirappalli between DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING, of Saranathan College of Engineering, Tiruchirappalli, (herein after referred to as "ECE-SCE" located at Trichy, represented by the Professor & Head, Department of ECE, Saranathan College of Engineering, the College which expression shall unless repugnant to the context means and include its successors and assigns of the ONE PART) and M/S. Tesla Minds, Chennai (herein after referred to as "Tesla Minds" located at Chennai, represented by Shri. T. Jayanandan, Founder & CEO of Tesla Minds, the industry counter partner which expression "Industry" shall unless repugnant to the context means and include its successors and assigns of the OTHER PART).

T. Jayanandan



Dr. M. SANTHI, B.E., M.E., Ph.D.,  
PROFESSOR & HEAD (ECE)  
SARANATHAN COLLEGE OF ENGG.  
TRICHIRAPPALLI - 620 012



**M/S. TESLA MINDS** is currently focusing on the Design and testing Microwave and RF integrated circuits and Antennae.

Department of Electronics and Communication Engineering is functioning at Saranathan College of Engineering, Tiruchirappalli since 1998 with all modern facilities. Saranathan College of Engineering was founded by "Vidya Seva Ratnam", "Guru Seva Mani" Auditor Sri. K. Santhanam in the year 1998. It was so named in respectful memory of his Guru Principal Saranathan, the greatest ever Principal of National College. It is a self financing college approved by AICTE and affiliated to Anna University, Chennai.


#### WHEREAS

The parties have had preliminary discussions in this matter and have ascertained areas of broad consensus. The parties now, have therefore, agreed to enter in writing these areas of consensus, under a Memorandum of Understanding.

#### RESPONSIBILITIES OF DEPARTMENT

- Department of Electronics and Communication Engineering shall provide entire infrastructure facilities including classrooms, laboratories, equipments, analytical tools and aids, library and qualified technical staff for conducting value added courses for the benefit of students and staff of department of ECE, Saranathan College of Engineering.
- Department of Electronics and Communication Engineering shall arrange necessary equipments for practical training to the students. The charges for hiring - on equipments for the training will be borne by Department of ECE, Saranathan College of Engineering, Tiruchirappalli.
- The internal evaluation as a part of the certification work for the value added courses through classroom tests, assignments, seminars, etc. will be



  
**Dr. M. SANTHI**, B.E., M.E., Ph.D.,  
PROFESSOR & HEAD (ECE)  
SARANATHAN COLLEGE OF ENGG  
TRICHIRAPPALLI - 620 012

done by Department of Electronics and Communication Engineering as on when required.

- The expenses in connection with regular lectures, practical, remuneration to teaching faculty and supporting staff, internal evaluation will be borne by Department of ECE, Saranathan College of Engineering, Tiruchirappalli.

### RESPONSIBILITIES OF THE INDUSTRY


- To deliver expert lecture sessions to the partnering department one in two months/ 3 lectures per semester.
- To provide internship and industrial training for students.
- To allow final year projects of the students of department of ECE, SCE for 8 students / 2 batches.
- To permit one faculty visit per year / industrial visit per year to the manufacturing unit or industry.
- To depute resource persons / technicians for training the students and the faculty members of ECE-SCE.
- To conduct campus interviews/placement drives for the students of ECE-SCE and help the students to get placement opportunities.

### MISCELLANEOUS

All the terms and conditions of this MOU are subjected to the approval of Commissioner of Technical Education, Chennai and the provisions of the Rules and Regulations of the Government of Tamilnadu.

The duration of this MoU is for 3 years from the date of signing of this MoU. The MoU shall stand renewed automatically unless desired otherwise by either party.



  
Dr. M. SANTHI, B.E., M.E., Ph.D.,  
PROFESSOR & HEAD (ECE)  
SARANATHAN COLLEGE OF ENGG  
TRICHIRAPPALLI - 620 012

In witness, whereof the parties have signed this Memorandum of Understanding on 02-03-2021 first herein above written.

For ECE-SCE, Tiruchirappalli

For TESLA MINDS



  
**PROFESSOR & HEAD**

**DEPARTMENT OF ECE**  
Dr. M. SANTHI, B.E., M.E., Ph.D.,  
PROFESSOR & HEAD (ECE)  
SARANATHAN COLLEGE OF ENGG.  
TRICHIRAPPALLI - 620 012

  
**FOUNDER-CEO**  
**TESLA MINDS, CHENNAI**



**Witnesses:**

1.  (Dr. M. PADMAA)
2.  (Dr. C. VENNILA)



# **OPTITHOUGHT**

**32/78, Easwardoss Street,  
Triplicane, Chennai - 600 005,  
Tamil Nadu, India.**



**MEMORANDUM OF UNDERSTANDING  
BETWEEN  
DEPARTMENT OF ECE,  
SARANATHAN COLLEGE OF ENGINEERING  
TIRUCHIRAPPALLI  
AND  
OPTITHOUGHT, CHENNAI**



This Memorandum of Understanding entered into on 23-07-2020 at Tiruchirappalli between DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING, of Saranathan College of Engineering, Tiruchirappalli, (hereinafter referred to as “ECE-SCE” located at Tiruchirappalli- 620009, represented by the Professor & Head, Department of ECE, Saranathan College of Engineering, the College which expression shall unless repugnant to the context means and include its successors and assigns of the ONE PART) and Optithought, Authorized Value Added Reseller of National Instruments.

M/S Optithought is a System Integrator & solution provider in test and automation to provide Smart, Safe, Sustainable solutions. Optithought is an Authorized value added reseller of National Instruments in this part of the country. OPTITHOUGHT is currently focusing on the Supply Technical Lab Equipments of National Instruments and offering training on those equipments. OPTITHOUGHT is represented herein by Shri.E.Muralikrishnan, Founder-Director, Optithought, (herein after referred to as “Optithought” which expression shall unless repugnant to the context mean and intrude its successors and assigns of the OTHER PART).

Department of Electronics and Communication Engineering is functioning at Saranathan College of Engineering, Tiruchirappalli since 1998 with all modern facilities. Saranathan College of Engineering was founded by “Vidya Seva Ratnam”, “Guru Seva Mani” Auditor Sri. K. Santhanam in the year 1998. It was so named in respectful memory of his Guru Principal Saranathan, the greatest ever Principal of National College. It is a self financing college approved by AICTE and affiliated to Anna University, Chennai.

## **WHEREAS**

The parties have had preliminary discussions in this matter and have ascertained areas of broad consensus. The parties now, have therefore, agreed to enter in writing these areas of consensus, under a Memorandum of Understanding.

## **RESPONSIBILITIES OF THE DEPARTMENT**

- Department of Electronics and Communication Engineering shall provide entire infrastructure facilities including classrooms, laboratories, equipments, analytical tools and aids, library and qualified technical staff for conducting value added courses for the benefit of students and staff of department of ECE, Saranathan College of Engineering.
- Department of Electronics and Communication Engineering shall arrange necessary equipments for practical training to the students. The charges for hiring - on equipments for the training will be borne by Department of ECE, Saranathan College of Engineering, Tiruchirappalli.
- The internal evaluation as a part of the certification work for the value added courses through classroom tests, assignments, seminars, etc. will be done by Department of Electronics and Communication Engineering as on when required.
- The expenses in connection with regular lectures, practical, remuneration to teaching faculty and supporting staff, internal evaluation will be borne by Department of ECE, Saranathan College of Engineering, Tiruchirappalli.

## **RESPONSIBILITIES OF THE INDUSTRY**

- To deliver expert lecture sessions to the partnering department one in two months/ 3 lectures per semester.
- To provide internship and industrial training for students.



- To allow final year projects of the students of department of ECE, SCE for 8 students / 2 batches.
- To depute resource persons / technicians for training the students and the faculty members of ECE-SCE.
- To conduct campus interview for the students of ECE-SCE and help the students to get placement opportunities.

## MISCELLANEOUS


The collaborative ventures also include the scope for extending learning facility through LabView software and Optithought has agreed to give two user licenses of LabView software to the Department of ECE, Saranathan College of Engineering for training the Staff and students of ECE-SCE.

All the terms and conditions of this MOU are subjected to the approval of Commissioner of Technical Education, Chennai and the provisions of the Rules and Regulations of the Government of Tamilnadu.

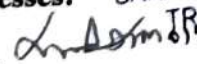
The duration of this MoU is for 3 years from the date of signing of this MoU. The MoU shall stand renewed automatically unless desired otherwise by either party.

In witness, whereof the parties have signed this Memorandum of Understanding on 23-07-2020 first herein above written.

For ECE-SCE, Tiruchirappalli

 23/7/20  
**PROFESSOR & HEAD**

**DEPARTMENT OF ECE**  
Dr. M. SANTHI, B.E., M.E., Ph.D.,  
PROFESSOR & HEAD (ECE)

**Witnesses:** SARANATHAN COLLEGE OF ENGG  
TRICHIRAPPALLI - 620 012  
1.  / Asst. Prof / SCE

2.

For Optithought, Chennai  
**For OPTITHOUGHT**

  
**FOUNDER-DIRECTOR**

**OPTITHOUGHT, CHENNAI**  
Partner

**Vi Microsystems Pvt. Limited**  
**75, Electronics Estate, Perungudi,**  
**Chennai - 600 096,**  
**Tamil Nadu, India.**

# **MEMORANDUM OF UNDERSTANDING BETWEEN**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION  
ENGINEERING**

**SARA-ECE COLLEGE OF ENGINEERING  
TIRUCHIRAPPALLI - 620 012**

**&**

**M/s Vi Microsystems Pvt. Ltd.,**  
75, Electronics Estate, Perungudi, Chennai - 600 096

**Vi Microsystems**



Vi Microsystems Pvt. Ltd., having its office at 75, Electronics Estate, Perungudi, Chennai - 600 096, (herein after referred to as "Vi Microsystems") and Department of ECE, Saranathan College of Engineering of having its registered office at "Venkateswara Nagar, Panjappur, Tiruchirappalli - 620012, Tamil Nadu, India" (herein after referred to as the "Sara-ECE") have mutually agreed to sign an MOU for the benefit of faculty and students of the Department of ECE. As a part of this MOU, following points are arrived at and to be ensured at both ends.

From the side of Vi Microsystems:

- Vi Microsystems shall facilitate internship for the students during the winter / summer vacation.
- Vi Microsystems shall take the responsibility of assigning projects to the students who are allowed to take internship at their place. These projects can be done at Sara-ECE during the eighth semester and can be considered as academic project as per the requirement of the affiliated University. Vi Microsystems shall assign mentors to assess the performance of the students periodically and certificates shall be issued at the end of the semester.
- Vi Microsystems shall facilitate internship for the faculty members of the department during the winter / summer vacation and certificates shall be issued.
- Vi Microsystems shall endeavor to arrange resource persons from industries to conduct technical seminars / workshops at Sara-ECE during the semester. Vi Microsystems shall take the responsibility of delivering the required course materials.



- Vi Microsystems shall endeavor to arrange resource persons / panel members for assessing the mini-projects. Certificates containing both logos shall be issued to the participants.
- Vi Microsystems shall assign experts to help in preparing MODROBS proposals to be submitted to the funding agencies to upgrade the Lab facilities of Sara-ECE.
- Vi Microsystems shall take the responsibility of formulating value added experiments beyond syllabi with the existing facilities in Labs at Sara-ECE.
- Vi Microsystems shall permit the students of ECE to visit the industrial site of Vi Microsystems for getting an exposure in the area of current technologies, product development and protocols followed in the industries.

From the side of Sara-ECE:

- Sara-ECE shall take the responsibility of sending the best students for internship during the winter or summer vacation. Boarding and lodging expenses shall be borne by the students.
- Sara-ECE shall take the responsibility of assigning mentors from our end to assess the projects in association with the mentors from your end.
- Sara-ECE shall take the responsibility of sending the interested faculty members for internship during the winter or summer vacation. Boarding and lodging expenses shall be borne by us.
- Sara-ECE shall nominate the faculty in-charge from our end to undertake the consultancy services.
- Sara-ECE shall make the arrangements for boarding and lodging of the resource persons for the seminars / workshops / mini projects within our campus.
- Sara-ECE shall take the responsibility of printing the certificates to be issued to the participants of seminars / workshops / mini projects.
- Sara-ECE shall nominate faculty in-charges to prepare MODROBS proposals in association with the expert from your end.

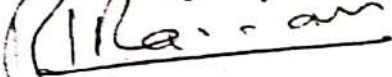
Vi Microsystems and Sara-ECE acknowledge that this MOU is only a brief statement of the intentions of the parties herein with regard to the areas in which the services are offered and the parties agree that the terms and conditions in respect of the precise scope and extent of work to be carried out and the manner of execution of such work under each area shall be incorporated by the way of a separate correspondence with regard to the above said areas.

This MOU is non-binding and shall be valid for a period of 5 years (renewable) from the date of execution of until exchange of correspondence as aforesaid whichever earlier is later.

Vi Microsystems shall have the right to terminate the MOU at any time before the date of the expiry by giving a notice in writing one month in advance.

Agreed and Signed on behalf of:

Authorized Signatory

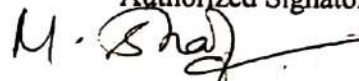


Vi Microsystems



Authorized and signed on behalf of:

Authorized Signatory



Dr. M. SANTI,

Professor & Head,

Department of ECE

Sara-ECE College of Engineering

**RAAJ CONSULTING AND  
TECHNOLOGY SERVICES  
(RAACTS)**

**75, No 10B-3, New No. 5, I floor,  
11<sup>th</sup> Cross, Thillai Nagar (East),  
Ramachadirapuram, Thennur (P.O),  
Trichy - 620 011,  
Tamil Nadu, India.**



## MEMORANDUM OF UNDERSTANDING BETWEEN

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING  
SARA-ECE COLLEGE OF ENGINEERING  
TIRUCHIRAPPALLI – 620 012



&  
RAAJ CONSULTING & TECHNOLOGY SERVICES



RAACTS having its office at 75, No 10B-3, New No. 5, I floor, 11th Cross, Thillai Nagar (East), Ramachadirapuram, Thennur (P.O), Trichy-620011 (herein after referred to as the "RAACTS") and Department of ECE, Saranathan College of Engineering of having its registered office at "Venkateswara Nagar, Panjappur, Tiruchirappalli – 620012, Tamil Nadu, India" (herein after referred to as the "Sara-ECE") have mutually agreed to sign an MOU for the benefit of faculty and students of the Department of ECE. As a part of this MOU, following points are arrived at and to be ensured at both ends.

From the side of RAACTS:

- RAACTS shall facilitate internship for the students during the winter / summer vacation.
- RAACTS shall take the responsibility of assigning projects to the students who are allowed to take internship at their place. These projects can be done at Sara-ECE college during the eighth semester and can be considered as academic project as per the requirement of the affiliated University. RAACTS shall assign mentors to assess the performance of the students periodically and certificates shall be issued at the end of the semester.
- RAACTS shall facilitate internship for the faculty members of the department during the winter / summer vacation and certificates shall be issued.
- RAACTS shall endeavor to arrange resource persons from industries to conduct technical seminars / workshops at Sara-ECE during the semester. RAACTS shall take the responsibility of delivering the required course materials.
- RAACTS shall endeavor to arrange resource persons / panel members for assessing the mini-projects. Certificates containing both logos shall be issued to the participants.

- RAACTS shall assign experts to help in preparing MODROBS proposals to be submitted to the funding agencies to upgrade the Lab facilities of Sara-ECE.
- RAACTS shall take the responsibility of formulating value added experiments beyond syllabi with the existing facilities in Labs at Sara-ECE.
- RAACTS shall take the responsibility of framing the syllabus for Workshop on PCB design to be conducted for ECE students and conduct the workshop on the dates decided in consultation with the Head of the Department of ECE.
- RAACTS shall permit the students of ECE to visit the industrial site of RAACTS for getting an exposure in the area of current technologies, product development and protocols followed in the industries.

From the side of Sara-ECE:

- Sara-ECE shall take the responsibility of sending the best students for internship during the winter or summer vacation. Boarding and lodging expenses shall be borne by the students.
- Sara-ECE shall take the responsibility of assigning mentors from our end to assess the projects in association with the mentors from your end.
- Sara-ECE shall take the responsibility of sending the interested faculty members for internship during the winter or summer vacation. Boarding and lodging expenses shall be borne by us.
- Sara-ECE shall nominate the faculty in-charge from our end to undertake the consultancy services.
- Sara-ECE shall make the arrangements for boarding and lodging of the resource persons for the seminars / workshops / mini projects within our campus.
- Sara-ECE shall take the responsibility of printing the certificates to be issued to the participants of seminars / workshops / mini projects.
- Sara-ECE shall nominate faculty in-charges to prepare MODROBS proposals in association with the expert from your end.

RAACTS and Sara-ECE acknowledge that this MOU is only a brief statement of the intentions of the parties herein with regard to the areas in which the services are offered and the parties agree that the terms and conditions in respect of the precise scope and extent of work to be carried out and the manner of execution of such work under each area shall be incorporated by the way of a separate correspondence with regard to the above said areas.

This MOU is non-binding and shall be valid for a period of 5 years (renewable) from the date of execution of until exchange of correspondence as aforesaid whichever earlier is later.

RAACTS shall have the right to terminate the MOU at any time before the date of the expiry by giving a notice in writing one month in advance.

Agreed and Signed on behalf of:  
Authorized Signatory

RAACTS



Authorized and signed on behalf of:

Authorized Signatory

Dr.M.SANTHI,

Professor & Head,

Department of ECE

Sara-ECE College of Engineering



**Saranathan College of Engineering**  
**Tiruchirappalli - 620 012**

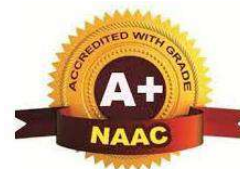


**Instrumentation & Control Engineering**

**SARANATHAN COLLEGE OF ENGINEERING**

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)

Venkateswara Nagar, Panjappur, Tiruchirappalli - 620 012, Tamil Nadu.

**Department of Instrumentation and Control Engineering**

S. No.	MoU	Year of signing MoU	Duration
1.	Zentron Labs Private Limited #16, PSS Plaza Gr. Floor, New Thippasandra Main Rd, HAL 3 <sup>rd</sup> Stage, Bengaluru - 560075, Karnataka, India.	2020-2021	5 Years
2.	FluxGen Engineering Technologies Private Limited 1064, 1 <sup>st</sup> floor, 18 <sup>th</sup> Main, 2 <sup>nd</sup> Stage, BTM Layout, Bengaluru - 560076, Karnataka, India.	2015-2016	Life Membership
3.	TREND Instrumentation and Automation PVT LTD #150/88, Dharma Tower,	2014-2015	Life Membership

	Nelson Manickam Road, Chennai - 600094, Tamil Nadu, India.		
4.	Yokogawa India Limited Plot No. 96, Electronic City Complex, Hosur Road, Bengaluru - 560100, Karnataka, India.	2013-2014	Life Membership
5.	NI Systems (India) PVT LTD 81/1 & 82/1, Salarpuria Softzone, Wing B, 5 <sup>th</sup> Floor, Block A Bellandur, Varthur Hobli, Bengaluru - 560103, Karnataka, India.	2013-2014	Life Membership



**Zentron Labs Private Limited**

**#16, PSS Plaza Gr. Floor,  
New Thippasandra Main Rd,  
HAL 3<sup>rd</sup> Stage, Bengaluru - 560075,  
Karnataka, India.**

# Memorandum of Understanding (MOU)

Between

Saranathan College of Engineering

and

Zentron Labs Pvt Ltd

for the establishment of

Zentron Development Center

and

Zentron Labs - SCE Center of Excellence for Industrial Software and  
Systems

This **Memorandum of Understanding** (MOU) entered into on 21/12/2020 by and between

**Saranathan College of Engineering**, Venkateswara Nagar, Panjappur, Tiruchirapalli - 620012, Tamil Nadu, the First Party, represented herein by **Dr. D. Valavan/Principal**, hereafter called **SCE**  
and

**Zentron Labs** Pvt Ltd, PSS Plaza New Thippasandra Main Rd, Bengaluru, Karnataka 560075, the Second Party, represented herein by R. Krishnan, Founder & CEO, hereinafter called **Zentron**

WHEREAS

As a company, Zentron is involved in the design, development and production of high-tech industrial products in the area of manufacturing quality and Agritech. Zentron's vision is to become a world-class company from India, known for innovation, progress and business-excellence. Zentron possesses strong experience in multi-disciplinary product development, LabView, electronics and embedded systems and has a rich set of ideas for new products and engineering methods. Zentron has on its rolls, several alumni from Saranathan College of Engineering (SCE), recruited over a period of 5 years. Having been educated by SCE in good engineering and LabView skills, they have been nurtured to become a critical part of Zentron's team and involved deeply in product development.

WHEREAS

As an institution, SCE's mission is to deliver engineering training to the students with well-equipped Laboratories and convert them into technocrats of international repute. SCE has well established UG and PG programs in key engineering subjects, training programs, technology infrastructure and keenness to collaborate with the industry.

WHEREAS

Considering these as the background, the following are the motivation:

- A. SCE and Zentron are interested in establishing a Centre of Excellence (CoE) in Industrial Software and Systems where Zentron and SCE can collaboratively work, for mutual benefit in areas of common interest, on advancing engineering methods and research.
- B. Zentron and SCE believe that such cooperation through this CoE, can promote optimal use and advancement of their respective knowledge, experience and human resources thus providing each of them with new and improved opportunities for learning
- C. Zentron is interested in establishing a development center at SCE. SCE is interested in establishing and encouraging a "start-up incubation centre" in their campus and believe that it can lead to a vibrant environment of innovation in engineering, in their campus.



- D. SCE is interested in finding viable solutions to those real-life engineering challenges that Zentron has experience in and access to.
- E. Both Zentron and SCE believe that such a collaboration can lead to creation of expertise as well as solutions that can form components of a technology platform for industrial software and systems.
- F. SCE believes that this cooperation will serve as a fore runner and a pilot for incubation and innovation within the campus.

THEREFORE, IN CONSIDERATION OF THE MUTUAL EXPECTATIONS SET FORTH IN THIS MOU, THE PARTIES HERE TO AGREE AS FOLLOWS

- A. Zentron and SCE will set up a CoE for Industrial Software and Systems where collaborative projects will be undertaken. The CoE is not a legal entity, but is a notional entity for such collaborative work. Projects will be defined and undertaken based on mutual discussion. Zentron staff and dedicated SCE staff may be fully or partially appointed to such projects. In addition, both parties may mutually decide to recruit staff dedicated fully for such CoE projects. Interns (students and/or faculty) may also be allocated to the CoE projects after evaluation and based on mutual discussion. Such projects are expected to provide focus and direction, to the faculty members as well as the student interns involved in the CoE, in goal-oriented, time-bound and industry centric deliverables. It will additionally provide a platform for faculty to get exposed to real-life challenges in the industry and thus continually orient and adapt themselves to innovations and the expectations of the industry. They can in turn transfer these to their students thus making them better employable prospects.
- B. SCE will facilitate Zentron to set up its development center (Zentron Trichy Development Center) within the SCE campus or any mutually agreed alternate facility suggested by SCE. SCE will extend the necessary facility support to this development center. The presence of development engineers of Zentron in close proximity to the CoE and the staff of SCE is also expected to encourage cross-pollination of engineering ideas and methods.

IN CONSIDERATION OF THE ABOVE, THE RESPONSIBILITIES OF THE PARTIES ARE LISTED AS FOLLOWS

#### 1. **SCE Responsibilities**

- A. SCE will provide a facility for the ZTDC and the CoE equipped with the following
  - Dedicated rooms (air-conditioned) with facilities including desks, dedicated meeting rooms, access to washrooms (men and women separate), secure

networking and internet connectivity, electrical fixtures and connection points.

Zentron will bear the actual cost of internet and electricity.

●Desktops/laptops for interns and COE team members where necessary.

- B. ZTDC to be dedicated for the use of Zentron employees, interns and CoE team members only
- C. To get a first-hand experience of the industry expectations, SCE will take up the responsibility of bringing the COE Projects to their successful completion.
- D. SCE may nominate faculty-in-charge to technically guide, supervise, track and take the projects to completion.
- E. SCE may consider sponsoring the CoE projects in terms of human resources (faculty, research scholars, interns), hardware and software resources, equipment and other project requirements at their discretion. Extent of the contribution will be decided on a project to project basis in consultation with Zentron
- F. SCE may apply for funding for the CoE projects from Government Agencies with Zentron as an industry partner
- G. The CoE will be managed by Department of Instrumentation and Control Engineering

## 2. Zentron Responsibilities

- A. Zentron will operate the ZTDC within the allocated facility inside the SCE Campus.
- B. Zentron will collaborate with SCE in the formation and functioning of the Industrial Software and Systems CoE.
- C. Zentron will continuously engage with SCE as part of the CoE to share and define engineering challenges in the space of industrial software and systems and that may be taken up by the CoE. Zentron may provide technical assessment from an industry angle.
- D. Zentron may provide technical recommendations/guidance to the execution of projects in the CoE.
- H. Zentron may consider sponsoring the CoE projects in terms of human resources (staff, interns), hardware and software resources, equipment and other project requirements at their discretion. Extent of the contribution will be decided on a project to project basis in consultation with SCE
- E. Zentron may apply for funding for the CoE projects from Government Agencies with SCE as an academic partner
- F. Zentron employees may share knowledge in the form of guest lectures or training sessions to the faculty and students of SCE in Zentron's areas of expertise.

### 3. Joint Responsibilities

- A. Zentron and SCE will jointly track these projects periodically and take actions pertaining to the status of the projects through fortnightly (or a different frequency depending on the status of the project) joint meetings
- B. Any Intellectual Property coming out of a CoE project will be jointly owned by SCE and Zentron. Zentron will have right use the IP as part of Zentron commercial products. SCE may open-source or divulge to third party(s), parts of CoE output only with the express written consent of Zentron.
- C. Zentron and SCE may jointly conduct technical competitions, hackathons, quizzes relevant to CoE focus areas to expose students (from SCE and/or other institutions) to the industry environment
- D. SCE may use the Zentron Logo as part of communication materials pertaining to placement and industrial collaboration

**Disclaimer :** Both Zentron and SCE are not obligated to provide funding, provide staff, recruit or fund in either cash or in kind, but may undertake to do any/all of these on a best effort basis after mutual discussions. All the above-mentioned points are statements of intent, in good faith.

This MOU is valid for the period between Dec 1, 2020 to Dec 31, 2021 and may be extended with the consent of both the parties for further periods in tranches of 1 year. The MOU may be withdrawn by either party with a 90 days written notice specifying the reason and the notice being sent to the address as specified in this MOU.

Authorized Signatory

SCE

Dr.D. Valavan

Principal,

Saranathan College of Engineering,

Venkateswara Nagar,

Panjappur,

Tiruchirapalli - 620012,

Tamil Nadu.

Authorized Signatory

Zentron Labs



**FluxGen Engineering  
Technologies Private Limited  
1064, 1<sup>st</sup> floor, 18<sup>th</sup> Main, 2<sup>nd</sup> Stage,  
BTM Layout,  
Bengaluru - 560076,  
Karnataka, India.**



## **Saranathan College of Engineering**

Venkateswara Nagar, Panjappur,  
Tiruchirappalli-620012,  
Tamil Nadu, India  
Contact No: 084899 15204  
www.saranathan.ac.in

## **FluxGen Engineering Technologies**

### **Private Limited**

BTM Layout, Bangalore – 560 076,  
Karnataka, India.  
Contact No: 97319 25888.  
www.fluxgentech.com

### *Memorandum of Understanding*

#### **Cooperation between FluxGen Engineering Technologies Pvt. Ltd., India, and Saranathan College of Engineering, India**

We, the undersigned, representing FluxGen Engineering Technologies Pvt. Ltd. and Saranathan College of Engineering, in the capacity of Managing Director and Principal, respectively, hereby declare that we will collaborate on the programs listed below.

#### **Development of System Developer's Laboratory in Campus Joint Internship and Student Development Program Projects involving implementation of Renewable Energy based Micro-Grids in Rural India**

FluxGen Engineering Technologies and Saranathan College of Engineering are willing and ready to play an efficient and vivid role in the successful and efficient implementation of the mentioned programs according to envisaged tasks.

Based on this MoU, we will draw up a mutually acceptable detailed plan of action which would become the reference document for our future course of action.

Date: 04<sup>th</sup> September, 2015

**Mr. Ganesh Shankar**

Managing Director,  
FluxGen Engineering Technologies Pvt. Ltd,

**Dr. D. Valavan,**

Principal,  
Saranathan College of Engineering

**TREND Instrumentation and  
Automation Private Limited**

**#150/88, Dharma Tower,  
Nelson Manickam Road,  
Chennai - 600094,  
Tamil Nadu, India.**





**TREND**

INSTRUMENTATION AND AUTOMATION PVT LTD



## **Memorandum of Understanding**

This Memorandum of Understanding (the Memorandum) is made on this October 11, 2014, by and between TREND Instrumentation and Automation Pvt Ltd, of #150/88, Dharma Tower, Nelson Manickam Road, Chennai-94, hereinafter referred to as TA and Saranathan College of Engineering, Venkateswara Nagar, Panjappur, Tiruchirappalli-620012, Tamil Nadu, India, hereinafter referred to as SCE for the purpose of achieving the various aims and objectives relating to the Instrumentation Training (Anywhere in this document Project means instrumentation training).

WHEREAS TA and SCE desire to enter into an agreement in which TA and SCE will work together to provide Instrumentation Industrial Knowledge to students and staffs;

AND WHEREAS TA and SCE are desirous to enter into a Memorandum of Understanding between them, setting out the working arrangements that each of the partners agree are necessary to execute the Project;

### **Purpose**

The purpose of this Memorandum is to provide the framework for any future binding contract regarding the Instrumentation Training between TA and SCE.

### **Obligations of the Partners**

The Partners acknowledge that no contractual relationship is created between them by this Memorandum, but agree to work together in the true spirit of partnership to ensure that there is a united visible and responsive leadership of the Project and to demonstrate financial, administrative and managerial commitment to the Project by means of the following individual services.

### **Cooperation**

The activities and services for the Project shall include, but not limited to:

a.Services to be rendered by TA include:

Providing Training to the students and staffs of Instrumentation Design, printing of Certificates, printing of Material, Laboratory Upgradation, Software Sales and sharing the instrumentation updates to students and staffs undergoing workshop and internship.

b.Services to be rendered by SCE  
include: Batch allocation.

### **Resources**

The Partners will endeavor to have final approval and secure any financing necessary to fulfill their individual financial contributions at the start of the planning for the development of the Project.

a.TA agrees to provide the following material and labor resources in respect of the Project; Faculty required for Training the students and staffs, Printing of Materials and Certificates b.SCE hereby agrees to provide the following  
Space for training and payment for training the students and staffs.

### **Communication Strategy**

Marketing of the vision and any media or other public relations contact should always be consistent with the aims of the Project and only undertaken with the express agreement of both parties. Where it does not breach any confidentiality protocols, a spirit of open and transparent communication should be adhered to. Co-coordinated communications should be made with external organizations to elicit their support and further the aims of the Project.

### **Liability**

No liability will arise or be assumed between the Partners as a result of this Memorandum.

### **Dispute Resolution**

In the event of a dispute between the Partners in the negotiation of the final binding contract relating to this Project, a dispute resolution group will convene consisting of the Chief Executives of each of the Partners together with one other person independent of the Partners appointed by the Chief Executives. The dispute resolution group may receive for consideration any information it thinks fit concerning the dispute. The Partners agree that a

decision of the dispute resolution group will be final. In the event the dispute resolution group is unable to make a compromise and reach a final decision, it is understood that neither party is obligated to enter into any binding contract to complete the Project.

**Term**

The arrangements made by the Partners by this Memorandum shall remain in place from October 11, 2014 until October 11, 2015. The term can be extended only by agreement of all of the Partners.

**Notice**

Any notice or communication required or permitted under this Memorandum shall be sufficiently given if delivered in person or by certified mail, return receipt requested, to the address set forth in the opening paragraph or to such other address as one party may have furnished to the other in writing.

**Governing Law**

This Memorandum shall be construed in accordance with the laws of the State of Tamil Nadu.

**Assignment**

Neither party may assign or transfer the responsibilities or agreement made herein without the prior written consent of the non-assigning party, which approval shall not be unreasonably withheld.

**Amendment**

This Memorandum may be amended or supplemented in writing, if the writing is signed by the party obligated under this Memorandum.

**Severability**

If any provision of this Memorandum is found to be invalid or unenforceable for any reason, the remaining provisions will continue to be valid and enforceable. If a court finds that any provision of this Memorandum is invalid or unenforceable, but that by limiting such provision it would become valid and enforceable, then such provision will be deemed to be written, construed, and enforced as so limited.



### **Prior Memorandum Superseded**

This Memorandum constitutes the entire Memorandum between the parties relating to this subject matter and supersedes all prior or simultaneous representations, discussions, negotiations, and Memorandums, whether written or oral.

### **Understanding**

It is mutually agreed upon and understood by and among the Partners of this Memorandum that:

- a. Each Partner will work together in a coordinated fashion for the fulfillment of the Project.
- b. In no way does this agreement restrict involved Partners from participating in similar agreements with other public or private agencies, organizations, and individuals.
- c. Technical updates in the field of instrumentation will be provided to the students and staffs in the form of workshops and internships.
- d. Students will be allowed to engage in our Industrial projects in their 8<sup>th</sup> sem.
- e. This Memorandum will be effective upon the signature of both Partners.
- f. Any Partner may terminate its participation in this Memorandum by providing written notice to other Partner.

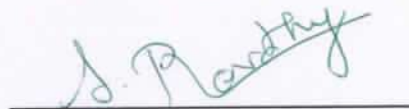
The following Partners support the goals and objectives of the Instrumentation Training:

### **Signatories**

This Agreement shall be signed on behalf of TREND Automation by Mr Vishnuvardhan J, Managing Partner, and on behalf of Saranathan College of Engineering by Dr.A.Revathy, Principal. This Agreement shall be effective as of the date first written above



For TREND Automation



For Saranathan College of Engineering

**Yokogawa India Limited**

**Plot No. 96, Electronic City Complex,  
Hosur Road, Bengaluru - 560100,  
Karnataka, India.**

## MEMORANDUM OF UNDERSTANDING

This memorandum of understanding made on this 24<sup>th</sup> day of October 2013 entered into between:

**YOKOGAWA INDIA LIMITED**, a company registered under the companies act 1956, having its registered office and head office at-Plot No.96, Electronic City Complex, Hosur Road, Bangalore – 560 100, and its Regional office at Kothari Building, 2nd Floor, Door No. 115, Mahatma Gandhi Road (Nungambakkam High Road), Chennai – 600034, represented by **Mr.S.Senthil, Assistant Manager Customer Service Division, here in after called “YIL” of the first part:**

And

**Saranathan College of Engineering**, an organization, having its Principal office at VenkateswaraNagar, MaduraiRoad,, Panjappur, Thiruchirappalli - 620 012, represented by **Dr.A.Revathy, Principal, here in after called “SCE” of the second part:**

The party of the first part and the party of the second part will be called jointly as “parties” whereas YIL is in the business of Process Automation and training, and wishes to enlarge its operations by making available its expertise to other organizations.

Now this Memorandum of Understanding witnesseth as follows:

### A. YIL RESPONSIBILITIES

1. YIL undertakes that it will conduct on-site training programs/courses at the premises provided by SCE.
2. YIL will conduct specific training programmes/ courses as detailed in schedule A (To be given by YIL).
3. YIL will provide instructors to impart in-depth lecture sessions and guidance during the practical sessions.
4. YIL will meet the expenses incurred by the instructors towards travel and transportation. Accommodation & boarding for the instructors shall be provided by SCE.
5. YIL will provide the course material, in the form of CD and hand outs for the participants and also will issue a certificate to the successful candidates.
6. YIL will provide relevant support for conducting the program.
7. YIL On exigencies or if deem fit necessary could shift the classes to premises of their choice. in such cases, the additional costs will be shared by parties as mutually agreed in advance on a case to case basis.
9. YIL grants to SCE a non exclusive right to use and SCE shall use any trademark / logo only in relation to the promotion of training and during the term of this agreement, the trademarks as notified in writing to the SCE.



## **B.SCE 's RESPONSIBILITIES**

1. SCE will provide necessary premises and other facilities like computers, printers, and support facilities. Video and audio, etc., as per annexure attached to conduct the courses.
2. SCE will ensure that participating student has access to relevant hardware and software.
3. SCE will provide free lodging facilities to the instructors deputed by YIL, if required.
4. SCE will ensure relevant and reasonable support for conducting the courses.
5. SCE will bear normal costs towards advertisement, publicity and other promotional activities.
6. SCE undertakes not to forward or disclose any information concerning the specifics of this agreement to any other Educational Institution without the prior written consent of YIL.
7. SCE acknowledges that YIL, YIL it is the trade marks of YIL and its group and that YIL is the dominant feature trade name.
8. SCE will not permit any practice that may be detrimental to the trademarks or goodwill or reputation of YIL or its services.
9. SCE's use of any of the trademarks will be strictly in accordance with YIL's instructions.
10. The course is for consecutive 5 days or more with respect to the module which college wants to go with per semester or per year, as per SCE's requirement and SCE can pay full amount at the beginning of the training as per course fee details given in Schedule 'A'.
11. Course fee given in schedule 'A' may be revised every year if any financial amendments occurs.
12. SCE can select from the list of courses offered by YIL as per the details given in Schedule A and taking the suggestions from YIL. These training programmes suits students of E&I, ICE, EEE, ECE and CHEMICAL ENGG departments

## **C.COPYRIGHT**

1. YIL agrees to give SCE a license copy of course material for academic use only.
2. YIL will bring the necessary DCS /PLC software for the training programme. DCS / PLC software would be installed in the given PCs for the students during the training programme by YIL. At the end of training programme, YIL will uninstall the softwares from the PCs.
3. SCE shall not copy, sell or lend courseware, except as specially agreed to YIL.
4. SCE will provide course material only to students registered in a class and who has paid the necessary from SCE will not allow any individual/ student to attend any class without due registration.
5. SCE will provide an "annual business plan", to YIL at the beginning of each one year period the "annual business plan", will all include all aspects of marketing and teaching plans of courses covered under this agreement as part of the "annual business plan", SCE will also provide YIL with their estimates of payment expected to YIL.

7.The training shall be conducted only by YOKOGAWA instructors.

#### **D. FORCE MAJEURE**

No party shall be liable to the other if and to the extent, that the performance or performance of any of its obligators under this agreement is prevented, restricted or interfered due to circumstances beyond the reasonable control of such party including but not limited to government legislation, fire, flood, explosion, epidemics, accidents, act of god, wars, riots, strikes, lockouts or other connected acts of workmen and act of Government .

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

1.This agreement is effective from the date of signing by YIL and shall be valid for a period of one year (12 months) from the date of the agreement. The parties may renew this agreement for further periods on mutually agreed terms.

2.Either party may terminate this agreement by giving not less than 3 months notice to the other party.

3.Notwithstanding the stipulation in above clause, each party is entitled to terminate this agreement immediately on any other party committing the breach , which is not insignificant and such party does not remedy such breach within 30 days from written notice by the other party requiring are default party to remedy the same .

4.In the event of termination of the agreement, for whatever reasons, both the parties agree to fulfill their respective commitments to the already registered batch of students as if the agreement is still in force.

5.On termination of this agreement, neither party will be entitled to claim any compensation or damages for or in respect of or by reason of such termination, except where such claim is based on the default of the other party.

6.Neither party will in any event be liable to the other party under this agreement for loss of profit, loss of business, loss of revenue or for any indirect, incidental or consequential damages whether or not the possibility of such damages could have been reasonably foreseen.

#### **F.GENERAL PROVISIONS**

1.Unless specified otherwise SCE will obtain, install and maintain the resources and equipment as in schedule C attached hereto, to the extent of required number.

2.SCE is an independent entity and neither has nor will have any power, right or authority to bind YIL or to assume or to create any obligation or responsibility expressed or implied on behalf of YIL .

3.Nothing contained in this agreement will be construed as constituting SCE and YIL as partners or joint ventures, or as creating the relationship of employer and employee ,as principal and agent or otherwise create any other relation ship than as a provider of the service and SCE ,as set out in this agreement .



- 4.This agreement is not assignable by SCE to any other party and YIL will have the right to transfer or assign this agreement wholly or partly to any company with in the YIL group.
- 5.This agreement shall be governed by and construed in accordance with Indian laws.
- 6.The parties agree that they will indemnify each other from any and all claims form third parties arising out of acts, omissions or misrepresentation by the other party.
- 7.Neither party will disclose or make any unauthorized use of any information concerning to other party's business or information obtained in the course of their activities under this agreement, except to the extent necessary as per this agreement or any law .
- 8.The party's obligations under this agreement will survive the termination of the agreement.
- 9.SCE further agrees that activity in utilizing YIL 's training courses will not infringe the right of others nor will such activities cause YIL to infringe the rights of any third parties, including violations of copyright, trade secret or other proprietary rights.
- 10.SCE and YIL jointly remains responsible for marketing of courses and other administrative aspects of conducting courses and classes. SCE would take the responsibility of collecting the fee from the students. YIL will not get involved in fee collection from students.
- 11.Both SCE and YIL agree that the terms and conditions in the agreement are confidential and will not be disclosed to any other third party.
- 12.YIL reserves the right to enter into similar agreement with others beyond the limits as specified elsewhere in the agreement.
- 13.In cases where SCE and YIL are in competition with each other, or SCE is in competition with another YIL's client, SCE and YIL agree that such competitive marketing shall be such that each party will sell the positive aspects and the benefits of using their respective education services.
- 14.No action regardless of form, arising out of this agreement may be brought by either party more than two years after the cause of action has arisen, except in the case of non - payment, in which event the appropriate statutory limitation to action for collection will be applicable.
- 15.Certificates will be issued only to those students who have completed their courses successfully in all respects. The certificates will be issued with in thirty days of such completion and will be handed over to SCE to be given to the students .

#### **G . ARBITRATION:**

- 1.All disputes or differences whatsoever arising between the parties out of or relating to the construction ,meaning and operation or effect of this contract or the breach thereof shall be settled by arbitration with the rules of arbitration of the Indian council of arbitration at Chennai only and the award made in pursuance thereof shall be binding on the parties .
- 2.SCE ACKNOWLEDGES THAT SCE HAS READ THIS AGREEMENT, UNDERSTANDS IT, AND AGREES TO BE BOUND BY ITS TERMS AND CONDITIONS.FURTHER, SCE AGREES THAT THIS,TOGETHER WITH ANY SUPPLEMENT OR SCHEDULE OF CHARGES, IS THE COMPLETE AND



EXCLUSIVE STATEMENT OF THE AGREEMENT BETWEEN THE PARTIES WHICH SUPERSEDES ALL PROPOSALS OR PRIOR AGREEMENTS, ORAL, OR WRITTEN AND ALL OTHER COMMUNICATIONS BETWEEN THE PARTIES RELATING TO THE SUBJECT MATTER OF THIS AGREEMENT

**SCHEDULE-A**

**COURSES / PRICE LIST**

S. No	Course name	Hours	Total fees (INR)
1.	Distributed Control System (DCS), Field Instruments & Field Bus Technology	9 days – 63 hours	Rs.2,00,000/ batch
2.	Distributed Control System (DCS) & Programmable Logic Controller (PLC)	5 days – 35 hours	Rs.1,25,000/batch
3.	Distributed Control System (DCS)& Industrial Communication Protocols (in cp)	5 days – 35 hours	Rs.1,25,000/batch
4	Programmable Logic Controller (PLC) & SCADA	5 days – 35 hours	Rs.1,25,000/batch

Note: Each batch can consist of maximum 70 students. If the total students exceed 60, it should be split into two batches for conducting the training programme.

An additional amount of 12.36% of the total course fees will be levied as service tax.

**SCHEDULE B – CONSIDERATION**

The above Schedule A fee has to be paid to YIL according to the courses selected by SCE, including the service tax. Over and above the mentioned fee, SCE can collect from the students for arranging the training programme or against any other expenses incurred by them.

The amount collected towards services tax will not form a part of the above sharing, as the entire amount of taxes will be given to the government.

**SCHEDULE -C**

1.The college and YIL should abide by and strictly adhere to the following guidelines in running the courses under this agreement:

2.YIL approved display / signboard, the formats of which are already given should only be used.

3.YIL name and logo should not be used in the letterheads and visiting cards of SCE. The letterheads and visiting cards must be only in the name of the company under which the agreement is signed with YIL The only reference to YIL which is “An YIL Authorized Training Center” (No YIL Logo) under SCE name.

4.SCE should use only YIL designed advertisements, posters, leaflets etc.

5. Any other printed material that SCE would like to use with YIL Name / logo on it, requires written approval by YIL before releasing of the same.
6. No deviation from the signed agreement will be allowed without YIL's written concurrence.
7. Non-compliance of rule Nos. 4 & 5 mentioned above, will lead to termination of the agreement.
8. SCE should clearly understand that they are authorized only to run YIL's Training Courses on behalf of YIL and in no other way they represent YIL.

#### **SCHEDULE D – INFRASTRUCTURE REQUIREMENTS**

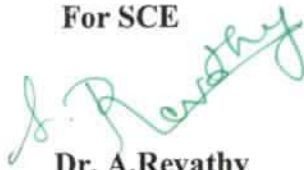
##### **LABORATORY – COURSES**

1. SCE is to provide seminar hall along with PC's for conducting the training programme, based on the number of students participating in the programme, with Video-Audio arrangements.

#### **SCHEDULE E – HARDWARE AND SOFTWARE REQUIREMENTS**

1. Number of PCs, as per the students strength.
2. PC Configurations (minimum) required are given below:  
PIV, Harddisk -25GB, 512MB RAM, FDD, CD Drive with  
15" Monitor. Software : Windows XP.

**For SCE**



**Dr. A. Revathy  
Principal**

**For YIL LTD**



**Mr. Senthil  
Assistant Manager  
Customer Service Division**

**NI Systems (India) Private  
Limited**

**81/1 & 82/1, Salarpuria Softzone, Wing B,  
5<sup>th</sup> Floor, Block A Bellandur,  
Varthur Hobli, Bengaluru - 560103,  
Karnataka, India.**



**MEMORANDUM OF UNDERSTANDING FOR COLLABORATION  
BETWEEN  
NI SYSTEMS (INDIA) PVT LTD, BANGALORE  
&  
SARANATHAN COLLEGE OF ENGINEERING, TRICHY**

This MoU Regarding LabVIEW Academy Program ("MoU") is made by and between Saranathan College Of Engineering, having the campus at Tiruchirappalli, Tamil Nadu represented by its Principal, Dr.A.Revathy, ("Institution") and NI Systems (India) Pvt. Ltd. ("NI"), a company incorporated under the Companies Act, 1956 of India, having its registered office at 81/1 & 82/1, Salarpuria Softzone, Wing B, 5th Floor, Block A, Bellandur, Varthur Hobli, Bangalore 560 037 represented by **Mr. Solaikutty Dhanabal**, Academic Manager, effective as of 22-08-2013 (the "Effective Date").

1. Institution; Courses. Institution warrants and represents that it is a degree-granting educational institution. During the Term (as defined below), Institution agrees to offer and conduct courses for academic purposes at Institution's facilities, in a professional manner, teaching the use of the NI LabVIEW software, which courses must not be for corporate or "customer" training purposes and must (a) be taught by an instructor who is then currently a Certified LabVIEW Associate Developer (the Certified LabVIEW Associate Developer certificate needs to be updated every two years) who regularly teaches degree-fulfilling or continuing education courses to students enrolled in or taking continuing education courses at Institution ("Instructor"); (b) include at least 30 hours of instruction specifically directed to the use of the Lab VIEW software; (c) be provided in accordance with a course syllabus reviewed and approved by NI; and (d) otherwise meet requirements provided or made available by NI to Institution from time to time (the "Courses"). Institution shall ensure no courses offered or provided are taught or introduced at the Institution which directly competes against the Courses. The Labview courses are regularly updated by conducting seminars/workshops/faculty development programme for the students and resource persons with nominal costs.

2. Materials. Institution agrees to set up a NI LabVIEW Academy in field of Virtual Instrumentation, (hereinafter referred to as ACADEMY). NI agrees to provide to Institution the "Instructional Materials" identified on Exhibit A (the "Materials") solely for the purpose of Institution's teaching the Courses at ACADEMY and under the below conditions:

2.1. Subject to, and conditioned on Institution's compliance with, the terms of this MoU, NI hereby grants to Institution, and Institution hereby accepts, a nonexclusive, nontransferable, limited license, for the Term (as defined below) only, to (a) use the Materials for the sole purpose of teaching the Courses, (b) provide the Materials only to those students enrolled (or taking continuing education classes) at Institution and who are taking the Courses ("Students"), except that Institution may not to provide to any Students, or to any persons or entities other than Instructors, any Materials which are designated on Exhibit A as "Instructor Use Only", and (c) make a reasonable number of copies of only

those Materials which are identified on Exhibit A as "Copying Permitted for Course Use", but only as necessary for the purpose set forth in this Subsection 2.1.

2.2. Institution hereby agrees not to itself, and not to encourage or assist Students or others to, (a) copy or reproduce any Materials except as expressly permitted in Subsection 2.1, (b) transfer, disseminate or distribute any Materials to any third-party, except Students to the extent expressly permitted in Subsection 2.1, or (c) use any Materials for any purpose other than the Courses. On any termination or expiration of this MoU, if NI requests, Institution shall, at Institution's sole cost and expense, return to NI all Materials identified on Exhibit A as "Instructor Use Only".

3. Required Software Products Not Included. Institution agrees to obtain from NI, at Institution's sole cost and expense, if necessary Academic Teaching Licenses (as described in the applicable National Instruments Software License MoU, available at [http://www.ni.com/pdf/legal/us/software\\_license\\_agreement.pdf](http://www.ni.com/pdf/legal/us/software_license_agreement.pdf)) to use the LabVIEW software in conducting the Courses; and to obtain from NI, or cause each of the Students to so obtain, at their sole cost and expense, the necessary Student Edition Licenses (as described in the applicable National Instruments Software License MoU) to use the LabVIEW software in the Courses. Institution agrees to comply with, and to cause the Students to comply with, such licenses, including without limitation ensuring that the licensed software is not used for any research, commercial, industrial, or other purpose prohibited by the applicable National Instruments Software License MoU. Except as may be expressly modified by this MoU, the terms and conditions of the applicable National Instruments Software License MoUs govern Institution's, and the Instructors' and Students', uses of the LabVIEW software as related to the LabVIEW Academy Program and the Course.

4. Required Textbooks and Equipment Not Included. Institution further agrees to obtain and provide, at Institution's sole cost and expense, or to cause each of the Students to so obtain, at their sole cost and expense, textbooks acceptable to NI for use in the Course, as well as any hardware and software as required for the Course, and other appropriate National Instruments equipment approved by NI. Such textbooks, hardware, software and National Instruments equipment approved by NI must be obtained separately and are subject to separate charges.

5. Name, Logo, and Trademarks.

5.1. Subject to, and conditioned on Institution's compliance with, the terms of this MoU, NI hereby grants to Institution, and Institution hereby accepts, a nonexclusive, nontransferable, limited license, for the Term (as defined below) only, to display the "LabVIEW Academy" Logo identified on Exhibit B hereto, the "LabVIEW Academy" name, any and all trademarks of NI therein, including without limitation, "LabVIEW", "National Instruments", and the "LabVIEW" logo design, only as part of, and as each appears in, the "LabVIEW Academy" Logo or the "LabVIEW Academy" name as the case may be (such trademarks being referred to as the "Marks"), solely in connection with providing, selling, promoting and advertising the Courses, solely on web site displays, printed literature, and other materials acceptable to NI and which are of an acceptable level of quality determined by NI in NI's sole discretion, and solely in



accordance with Exhibit B hereto and any and all other guidelines and instructions provided or made available by NI to Institution from time to time. In no event may Institution display or use any Mark except as part of, and as it appears in, the "LabVIEW Academy" Logo or the "LabVIEW Academy" name as the case may be.

5.2. With a view to ensuring the maintenance of an acceptable level of quality of the web site displays, printed literature, and other materials, and the Courses, on or in connection with which the "LabVIEW Academy" Logo and/or "LabVIEW Academy" name are displayed, Institution shall submit, at no charge, representative specimens of such materials and Course-related materials to NI for review, as may be requested by NI from time to time, and to permit NI representatives to attend Course sessions at no charge to such extent as may be reasonable for such purpose. Institution agrees to comply with Exhibit B hereto and any and all other requirements, guidelines and instructions provided or made available by NI to Institution from time to time, in each instance of Institution's display of the "LabVIEW Academy" Logo or "LabVIEW Academy" name.

5.3. Goodwill generated by any use by Institution of the "LabVIEW Academy" Logo or the "LabVIEW Academy" name and the Marks, inures solely to the benefit of NI, and no use thereof shall give Institution any right, title or interest in any of such logos, names, or Marks. Upon notice by NI, or in any event on any termination or expiration of this MoU, Institution shall immediately cease all display and use of the "LabVIEW Academy" Logo, the "LabVIEW Academy" name, and the Marks, and all advertising, promotional and sales literature bearing any of such logos, names, or Marks. In the event of a claim of infringement or violation of any intellectual or industrial property right involving the "LabVIEW Academy" Logo, the "LabVIEW Academy" name, or any Mark, Institution agrees to make such modifications to the "LabVIEW Academy" Logo or the "LabVIEW Academy" name, or cease any and all display and use of them, as may be instructed by NI in writing. Institution acknowledges NI's ownership of the Marks and agrees to make no use thereof except as may be expressly permitted by this MoU. At NI's request, Institution agrees to reasonably cooperate with NI, at NI's reasonable expense, in NI's evidencing and protecting NI's rights in the Marks, including without limitation by providing, executing and delivering to NI any reasonably requested documents in furtherance thereof. Institution recognizes and acknowledges the goodwill appurtenant to use and/or ownership of the Marks, the validity of the Marks, NI's rights in the Marks, NI's registrations for the Marks (if any), and the distinctiveness of Marks. Institution agrees to take no action to attack, contest or undercut NI's ownership or the validity of any of the Marks or any applications to register or registrations thereof, or which would tend to destroy or diminish the goodwill in any of the Marks. Without limiting the generality of the foregoing, Institution shall not during the term of this MoU or thereafter:

- (a) apply to register or maintain any application or registration of any of the "LabVIEW Academy" Logo, the "LabVIEW Academy" name, any Mark, or any mark confusingly similar to any Mark, in any jurisdiction, domestic or foreign;
- (b) take any action that may tend to imply or express that Institution is the owner of any Mark or that Licensee has any right, title or interest in ownership or usage in any Mark;
- (c) use or register an internet domain using, containing, or confusingly similar to the "LabVIEW" Academy name, or any Mark;



- (d) misuse any Mark;
- (e) use the "LabVIEW Academy" Logo, the "LabVIEW Academy" name, or any Mark in any manner which may diminish the goodwill appurtenant in any Mark, or disparage NI or NI's business or any of NI's products or services;
- (f) use any colorable imitation or variant form of the "LabVIEW Academy" Logo, the "LabVIEW Academy" name, or any Mark, not specifically approved in writing by NI;
- (g) alter or deface the "LabVIEW Academy" Logo, the "LabVIEW Academy" name, or any Mark in any way except as may be instructed in writing by NI; or
- (h) use, in connection with the manufacture, sale, distribution, or promotion of any products or services (except display of the "LabVIEW Academy" Logo and the "LabVIEW Academy" name in connection with the Courses to the extent expressly permitted in this MoU) the "LabVIEW Academy" Logo, the "LabVIEW Academy" name, or any Mark, or any mark or name confusingly similar to any of them.

5.4. Institution may not take any action against a third party in relation to the "LabVIEW Academy" Logo, the "LabVIEW Academy" name, or any Mark, without NI's prior written consent. NI undertakes no obligation to register or apply to register, or to maintain any registrations of, the "LabVIEW Academy" Logo, the "LabVIEW Academy" name, or any Mark in any jurisdiction. Institution will, immediately upon becoming aware, give full written particulars to NI of (a) any allegation that the "LabVIEW Academy" Logo, the "LabVIEW Academy" name, or any Mark infringes the rights of any third party, or (b) any unauthorized use of the "LabVIEW Academy" Logo, the "LabVIEW Academy" name, or a Mark by a third party. Institution will not make any allegation, admission, settlement, or comment in respect of any such matter without the prior written consent of NI. Unless specifically and expressly waived in accordance with Section 15, NI will have sole right to control the prosecution, defense and any settlement of any claim, dispute or proceedings related to the "LabVIEW Academy" Logo, the "LabVIEW Academy" name, or a Mark, including but not limited to NI's sole discretion regarding whether to implement any action and whether or not to bring or defend, or settle or attempt to settle, any claim, dispute or proceeding.

6. No Other Licenses. Institution acknowledges that all intellectual and industrial property rights, including but not limited to any copyrights and trademarks, which relate to the Materials, belong to and are retained by NI or NI's subsidiaries, as applicable. No rights, licenses or permissions, express, implied or by estoppels, are granted by NI except for the limited licenses expressly set forth in this MoU. All rights not expressly permitted to Institution in this MoU are reserved to NI.

7. Warranty Disclaimer. INSTITUTION ACKNOWLEDGES AND AGREES THAT THE LICENSES, MATERIALS AND INFORMATION PROVIDED BY NI ARE AND WILL BE PROVIDED ON AN "AS IS" BASIS AND WITHOUT WARRANTY OF ANY KIND, AND NO WARRANTIES, EXPRESS OR IMPLIED, ARE MADE WITH RESPECT TO SUCH LICENSES, MATERIALS OR INFORMATION, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, OR ANY OTHER WARRANTIES THAT MAY OTHERWISE ARISE FROM USAGE OF TRADE OR COURSE OF DEALING; ANY AND

ALL OF WHICH IMPLIED AND STATUTORY WARRANTIES ARE HEREBY DISCLAIMED, TO THE FULL EXTENT PERMITTED BY LAW.

**8. Term and Termination.**

8.1. Term. This Moue shall commence on the Effective Date and continue for twenty-four (24) months unless terminated earlier. Either party may notify the other party in writing of early termination of this Moue by a prior notice of not less than three months prior to the effect of such termination.

8.2 Termination. Notwithstanding Section 8.1, if, during this MoU, including renewal terms, either party breaches this MoU, the other party may terminate this MoU upon notice to such party if such breach has not been cured to the reasonable satisfaction of the other party within thirty (30) days following written notice of the breach. This Moue shall terminate immediately and automatically if the Institution suspends operations, is or becomes the subject any bankruptcy or similar proceeding, makes an assignment for the benefit of creditors, or is adjudicated bankrupt or insolvent.

8.3 Effect. The following sections and subsections shall survive any termination or expiration of this MoU: 2.2, 5.3, 5.4, 6, 7, 8.3, 9, 10, 11, 12, 13, 14 and 15.

**9. INDEMNITY; LIMITED LIABILITY.**

9.1 Indemnity By Institution. Institution shall indemnify, defend and hold NI harmless for (a) any damage, expense (including reasonable attorneys' fees), loss, or injury (collectively, "Losses") arising from or in connection with any failure to comply with any of the provisions of Section 5 or any of its subsections; and (b) Losses claimed or sustained by Institution, a Student or other third-party relating to or arising from any Courses or any activities related thereto; however the same may be caused, including without limitation wholly or partially by the fault, negligence or strict liability of NI or others; provided that NI promptly notifies Institution of such claim, and provides Institution with the authority, assistance, and information Institution needs to defend or settle such claim. Institution shall not be liable for a settlement made without its prior written consent.

9.2 Indemnity By NI. NI shall indemnify, defend and hold Institution harmless for any claim by a third party that the Materials, as provided by NI, infringe such third party's United States copyrights; provided that such claim does not arise from use of the Materials other than as expressly permitted in this Moue, from any use or combination of the Materials with other materials not provided by NI, or from modification of the Materials not made by NI; and provided that Institution promptly notifies NI of such claim, and provides NI with the authority, assistance, and information NI needs to defend or settle such claim. NI shall not be liable for a settlement made without its prior written consent. This Subsection 9.2 states Institution's sole remedy for, and NI's entire liability and responsibility for, infringement of any patent, trademark, copyright, or other intellectual or industrial property right relating to



the Materials. THIS LIMITED INDEMNITY IS IN LIEU OF ANY OTHER STATUTORY OR IMPLIED WARRANTY OR REMEDY AGAINST INFRINGEMENT.

9.3 Liability. EXCEPT AS PROVIDED IN SUBSECTION 9.2, IN NO EVENT SHALL NI BE LIABLE FOR ANY DIRECT, ACTUAL, INDIRECT, INCIDENTAL, SPECIAL, PUNITIVE OR CONSEQUENTIAL DAMAGES, OR DAMAGES FOR LOSS OF PROFITS, REVENUE, DATA OR DATA USE, INCURRED BY INSTITUTION, OR ANY STUDENT OR OTHER THIRD PARTY, ARISING FROM THIS MOU, WHETHER IN AN ACTION IN CONTRACT OR TORT, EVEN IF NI HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, AND EVEN IF CAUSED BY THE FAULT, NEGLIGENCE OR STRICT LIABILITY OF NI OR OTHERS. IN NO EVENT SHALL NI'S LIABILITY UNDER THIS MOU EXCEED, IN THE AGGREGATE, THE AMOUNT OF US\$1,000 (ONE THOUSAND U.S. DOLLARS).

10. Independent Contractors; Freedom of Action. Institution and NI are independent contractors to one another and nothing herein shall be deemed to create an agency, partnership, joint venture, franchise or employment relationship between NI and Institution or its personnel, and neither party shall represent to the contrary, either expressly, implicitly, by appearance or otherwise. Institution acknowledges, represents, and agrees that it has not paid, and will not pay, any fee to enter into this MoU. The licenses, rights and permissions granted to Institution under this Moue are nonexclusive. NI may provide identical or similar licenses to others. Further, NI may itself, or with others, (including without limitation other educational institutions), provide, deliver and/or teach courses that are the same as, or similar to, the Courses, or engage in other activities described in this MoU.

11. Assignment. Each party understands and acknowledges that this MoU is personal to the parties and accordingly, except for NI's right to assign this Moue to a related entity, neither party may assign this Moue (in whole or part) without the prior written consent of the other and any attempt to do so shall be void. Institution may not delegate or subcontract any of its obligations under this MoU without NI's prior written consent.

12. Dispute Resolution. This MoU shall be construed under the laws of India. Any dispute or claim arising out of or in connection herewith, or the breach, termination or invalidity thereof, shall be settled by a sole arbitrator, in accordance with the provisions of the Arbitration and Conciliation Act, 1996. The place of arbitration shall be Bangalore and the arbitration proceedings shall take place in the English language. The arbitration award is final and binding upon the parties and the parties undertake to carry out any arbitration award without delay and shall be deemed to have waived their right to any form of recourse insofar as such waiver can validly be made.

13. Notices. All notices which shall be given by either party under the terms of this MoU shall be in writing and be hand delivered, sent by facsimile transmission, overnight delivery, or sent by certified mail, return receipt requested, addressed to the receiving party at the address listed at the first page or to such other persons or addresses as may be designated by a party in writing.



Notice shall be effective on the date it is received or receipt is confirmed or, if mailed as described above, no later than ten (10) days after the date of such mailing.

14. Compliance with Laws. Institution agrees to comply with all applicable laws, including without limitation United States export laws and regulations, in Institution's performance of, and exercise of rights under, this Moue.

15. Registration. If this Moue is required to be registered with authorities in India, Institution shall complete any such required procedures promptly.

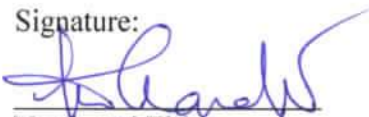
16. Counterparts; Language; Amendment; Construction; Severability; Waiver. This MoU, together with the exhibits attached hereto and referred to herein, embodies the entire understanding between the parties regarding the subject matter hereof and supersedes all prior representations, discussions and communications, whether oral or written. This MoU may be executed in two counterparts, each of which taken together shall constitute one single MoU between the parties. This MoU is solely in the English language. Any translations into any other languages shall be of no effect in interpreting this MoU or otherwise. No amendment, change, alteration, or modification hereof may be made except in a writing signed by both parties. The headings used herein are for convenience only and shall not enter into the interpretation hereof. Each term and condition of this MoU will be construed in such manner to be valid, enforceable and in compliance with applicable law. If any provision of this MoU is deemed or held by a court of competent jurisdiction to be invalid or unenforceable in whole or in part, such construction will neither impair nor affect the validity or enforceability of any other provisions of this MoU. The failure to insist upon strict compliance with any of the provisions of this MoU shall not be deemed a waiver of any such provision, nor shall any waiver or relinquishment of any right or power hereunder, at any one or more times, be deemed a waiver or relinquishment of such right or power at any other time or times. No waiver of any right under this Moue is effective unless made in writing, signed by an authorized representative of the waiving party and dispatched to the benefiting party in accordance with Section 13.

EXECUTED as of the Effective Date set forth above.

NI Systems (India) Pvt. Ltd.

SARANATHAN COLLEGE OF  
ENGINEERING

Signature:



Name and Title:

Date:

Signature:



Name and Title:

Date: 22.05.13

**PRINCIPAL**  
**Saranathan College of Engineering**  
**TRICHY - 12.**

## EXHIBIT A

### INSTRUCTIONAL MATERIALS:

As determined and provided by NI.

- supplemental LabVIEW questions—Copying Permitted for Course Use
- Instructor version of the Student Workbook (PDF)—Instructor Use Only
- Student workbook version (PDF)—Copying Permitted for Course Use]]

### OBJECTIVES:

Institution agrees to set up the ACADEMY, which is expected to meet the following goals:

- 1) To pursue training activities related to user education and training in areas mutually agreed to by INSTITUTION and NI. Initially the ACADEMY will begin activities in the area of user training in LabVIEW.
- 2) To strengthen the collaboration between INSTITUTION and NI, which may encourage undertaking of teaching projects and INSTITUTION to pursue its objectives of advancement and creation of knowledge through use of the facilities developed under the ACADEMY.
- 3) To organize courses/workshops/seminars every year on various aspects of Algorithm Engineering and Graphical System Design.

### COMMITMENTS OF NI:

- 1) NI may provide free of cost technical consultancy (no more than a reasonable period of time solely determined by NI) for establishment of ACADEMY at INSTITUTION.
- 2) NI agrees to provide free training (no more than 5 days) to 5 faculty of the ACADEMY on LabVIEW Fundamentals and further to waive off the first CLAD exam attempt fees of such 5 faculty.
- 3) NI agrees to provide start-up assistance (no more than a reasonable period of time solely determined by NI) at INSTITUTION during installation of NI products at the ACADEMY either directly or through its channel partners.
- 4) Once the ACADEMY qualifies for the criteria required for a LabVIEW Academy, NI agrees to provide 50% discount in CLAD (Certified LabVIEW Associate Developer) exam fee for the students & faculties of ACADEMY who got trained under ACADEMY.
- 5) NI agrees to provide free technical support over phone and e-mail on NI products and their usage for various measurements and control.
- 6) NI may support INSTITUTION in conducting training programs for industry representatives approved by NI.

### COMMITMENTS OF INSTITUTION:

- 1) INSTITUTION agrees to use this ACADEMY as common facility for the entire campus and there will be Courses conducted for various engineering disciplines.
- 2) INSTITUTION agrees to appoint dedicated CLAD Certified instructor to conduct the Course in the ACADEMY

3) INSTITUTION agrees to provide computers and all other necessary infrastructure for the ACADEMY and all will be networked with structured cabling and Ethernet Switch.

4) INSTITUTION also agrees to ensure the development of teaching demonstrations, application notes and project work through students and faculty of INSTITUTION using the facilities provided by ACADEMY.

#### JOINT EFFORTS:

1) An official of INSTITUTION to be nominated and appointed by mutual consent of INSTITUTION and NI will coordinate the activities of the ACADEMY.

2) Both INSTITUTION and NI shall permit their respective experts to contribute in the teaching/training programs conducted by either organization through mutual consent.

#### EXHIBIT B

##### 1. LabVIEW Academy Logo:

The “LabVIEW Academy” logo is set out below for identification (the “SAMPLE” watermark is not part of the logo—the artwork for the logo will be made available after execution of this MoU by Institution and NI):



##### 2. Requirements:

In addition to the other requirements of this MoU with respect to the use of the “LabVIEW Academy” Logo, the “LabVIEW Academy” name, and the Marks, Institution agrees to comply with the guidelines at <http://www.ni.com/legal/trademarks/> and any and all other guidelines that may be provided or made available by NI to Institution from time to time, and to include, in prominent type and font as specified by NI, the following legend in all materials on or in



connection with which the “LabVIEW Academy” Logo or the “LabVIEW Academy” name are used:

“LabVIEW”, “National Instruments”, and the “LabVIEW” logo design are trademarks of National Instruments Corporation, and are used, as part of the “LabVIEW Academy” logo and the “LabVIEW Academy” name, with the permission of National Instruments Corporation. [name of Institution], not National Instruments Corporation, is solely responsible for the courses offered by [name of Institution], including without limitation those teaching the use of the LabVIEW<sup>TM</sup> software, and all materials, content, software, and code contained in or made available through this document or web site. Neither [name of Institution], nor any courses or other goods or services offered by [name of Institution], are affiliated with, endorsed by, or sponsored by National Instruments Corporation.

**Saranathan College of Engineering**  
**Tiruchirappalli - 620 012**

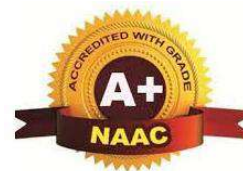


**Mechanical Engineering**  
**&**  
**Electrical and Electronics Engineering**

**SARANATHAN COLLEGE OF ENGINEERING**

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)

Venkateswara Nagar, Panjappur, Tiruchirappalli - 620 012, Tamil Nadu.



**Department of Mechanical Engineering  
&  
Department of Electrical and Electronics Engineering**

S. No.	MoU	Year of signing MoU	Duration
1.	Siemens Centre of Excellence in Manufacturing National Institute of Technology, Tiruchirappalli - 620 015, Tamil Nadu, India.	2022-2023	3 Years



**Siemens Centre of Excellence in  
Manufacturing  
National Institute of Technology  
Tiruchirappalli - 620 015  
Tamil Nadu, India**



தமிழ்நாடு தமில்நாடு TAMIL NADU 6.1.23.

Saranathan Engineering College, Trichy.

10AC 363820

வீ. பாலசுப்பிரமணியன் B.E.,  
மு.தா.வி. K.சாத்தனார்  
உரிமம் எண்: 19/2021/TRY  
K.சாத்தனார், திருச்சி

Memorandum of Understanding for  
Skill Development and Training

BETWEEN

Centre of Excellence in Manufacturing

National Institute of Technology

TIRUCHIRAPPALLI

AND

Saranathan College of Engineering

Tiruchirappalli

CoE Manufacturing, NITT

Page 1 of 6

Saranathan College





The Agreement is executed on this 04<sup>th</sup> January 2023 (Effective Date), as a process of renewal of the previous MoU signed (on 07<sup>th</sup> September 2019), by and between:

Centre of Excellence in Manufacturing hereinafter called the "CoE Manufacturing or CoE "functioning in National Institute of Technology, Tiruchirappalli, a premier academic Institution of International repute incorporated under National Institute of Technology Act, 2007 having its permanent campus and office at Tanjore main road, National Highway 67, near BHEL, Tiruchirappalli, Tamilnadu 620015 (hereafter referred to as 'NIT Trichy', which expression shall include its successors and assigns) of the first part;

And

Saranathan College of Engineering, Tiruchirappalli hereinafter called the "SCE" (which expression shall unless repugnant to the context or meaning thereof be deemed to mean and include its successors and assigns) of the second part;

**WHEREAS:**

1. The National Institute of Technology (formerly known as Regional Engineering College) Tiruchirappalli, situated in the heart of Tamil Nadu on the banks of river Cauvery, was started as a joint and co-operative venture of the Government of India and the Government of Tamil Nadu in 1964 with a view to catering to the needs of man-power in technology for the country. The college has been conferred with autonomy in financial and administrative matters to achieve rapid development. Because of this rich experience, this institution was granted Deemed University Status with the approval of the UGC/AICTE and Govt. of India in the year 2003 and renamed as National Institute of Technology, thereafter.
2. CoE Manufacturing established in 2018 at NIT,Trichy. The CoE operates with a primary objective of creating a robust technical education eco-system through its experience in industrial products and services. This CoE Manufacturing is intended to bridge today's gap between industry requirements and technical education, and provide solution that makes technical institutes be more aligned with industry needs and make engineering graduate students, industry compliant / on par with industry expectations.
3. CoE Manufacturing has 12 sophisticated Laboratories for Design and Validation, Advanced Manufacturing, Test and Optimization, Automation, Electrical and Energy savings, Process Instrumentation, Mechatronics, CNC Machines, CNC Controller, Robotics, Rapid Prototyping and Internet of Things through which different services are offered to Academic Institutions and Industries.

  
CoE Manufacturing, NITT

Page 2 of 6

  
Saranathan College of Engineering





#### 4. Vision - CoE Manufacturing

- a. To provide skill excellence through Training, R&D and Consultancy for robust Industry relevant technical education eco-system.

#### 5. Mission - CoE Manufacturing

- a. To offer certified skill development programmes for enhancing placement opportunities
- b. To promote industry-academia partnership by engaging in extensive consultancy services
- c. To engage in Research and Development for societal benefits and upliftment of under privileged members of the society
- d. To strategically align with Institute's Vision and Mission for building the brand image of NITT

#### 6. Details of Institute

Saranathan College of Engineering was founded by "Vidya Seva Ratnam", "Guru Seva Mani" Auditor Sri. K. Santhanam in the year 1998. It was so named in respectful memory of his Guru Principal Saranathan. It is a self financing college approved by AICTE and affiliated to Anna University, Chennai.

The college was located in sprawling 40 acre campus on the Chennai – Madurai Expressway at Panjappur. The college has a current annual intake of 720 students for the 10 branches offered at the undergraduate level and 84 students for the 5 courses offered at the post-graduate level. All the eligible six branches have been accredited by NBA and the institute has been accredited by NAAC (A+ grade).

The CoE Manufacturing, National Institute of Technology, Tiruchirappalli, India enters into the following Agreement to offer Skill Development, Training and other related services to saranathan College of Engineering, Tiruchirappalli..

1. CoE Manufacturing offers various skill development courses across different disciplines. Saranathan College of Engineering committed/commits to send 100 number of students/faculty every year for such courses. The timing/duration of the courses shall be arrived on mutually agreed dates. The CoE offers 20-40% discount on the regular advertised course fee depending on the demand.
2. A student/faculty who has completed any CoE offered courses will be given 10 Hours of free Lab usage time after the course within one-year duration. The timing will be decided by the CoE based on the availability.



3. CoE Manufacturing offers the resources for student projects on chargeable basis. It is the responsibility of the faculty mentor from Saranathan College of Engineering to monitor the progress. The CoE shall not offer any certification for such usage but shall provide an attendance certificate.
4. CoE Manufacturing offers Internships to students. The CoE can accommodate a reasonable number of students depending on the demand.
5. The faculty of Saranathan College of Engineering shall submit funding/consultancy proposals quoting the CoE Manufacturing resources. In such cases, a NITT faculty will be the Co-PI and budgeting need to be arrived through mutual discussion before submission.
6. CoE Manufacturing periodically conducts workshops/ symposiums/ conferences etc. For such events, any participant from Saranathan College of Engineering will get 25% discount on the Registration fee.
7. Saranathan College of Engineering shall organize events such as workshops/symposiums/conferences jointly with CoE Manufacturing. In such cases, the financial implications need to be discussed and to be approved by competent authorities before the event.
8. CoE Manufacturing will not be responsible for safety of the students outside the NITT premises. Saranathan College of Engineering should instruct their students clearly on the safety and precautionary measures.
9. CoE Manufacturing will not be responsible for loss/theft or damage of any of the student's belongings. Saranathan College of Engineering should instruct their students clearly on the precautionary measures.
10. The implementation of specific activities will be separately agreed between both institutions on need basis.
11. Other terms and conditions which are not provided in this Agreement will be deliberated and agreed upon by the institutions hereto.

12. This Agreement is established in English language and is valid from the date of signing by the representatives of the institutions. The institutions hereto

CoE Manufacturing, NITT

Page 4 of 6

Saranathan College of Engineering





have executed this Agreement in duplicate, and each institution shall keep one copy of the originals.

13. This agreement shall be governed by and construed in accordance with the laws of India.
14. The two parties will consult each other and attempt to resolve disputes or misunderstandings that arise in the administration of this agreement informally.
15. This agreement shall be valid for a period of one year from the date both signatures are affixed to this document or before if terminated by mutual agreement of both. This agreement may be terminated by either party after one hundred and twenty (120) days following receipt of a written notification of intent to terminate by the other party.
16. If a proposal to renew this agreement is not presented before the end validity period, it will be terminated automatically at the end of one year.
17. Any media release pertaining to the collaboration and other activities with CoE in Manufacturing requires prior approval. Violation will lead to appropriate actions which includes cancellation of MoU between both the parties.
18. This is a non-exclusive MoU

  
CoE Manufacturing, NITT

Page 5 of 6

  
Saranathan College of Engineering  




**SIGNED IN DUPLICATE**

This MOU is executed in duplicate with each copy being an official version of the agreement and having equal legal validity.

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.

Signed and delivered on behalf of by

Dr. D. Sriram Kumar, Head, CoE Manufacturing, National Institute of Technology, Tiruchirappalli, in the presence of Dr. V. Sankaranarayanan, Dean (Research and Consultancy), National Institute of Technology, Tiruchirappalli.

**For and on behalf of CoE  
Manufacturing**



Name: Dr. D. Sriram Kumar  
Head, CoE Manufacturing  
NIT Tiruchirappalli

**For and on behalf of Saranathan  
College of Engineering**



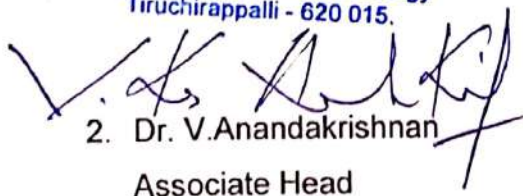
Name: Dr. D. Valavan  
Principal  
Saranathan College of Engineering

**PRINCIPAL  
Saranathan College of Engineering  
TRICHY - 12.**

**In presence of**




1. Dr. V. Sankaranarayanan  
**Dr. V. SANKARANARAYANAN**  
Dean (Research and Consultancy)  
**DEAN**  
Research & Consultancy  
NIT Tiruchirappalli  
National Institute of Technology  
Tiruchirappalli - 620 015.



2. Dr. V. Anandakrishnan  
Associate Head



**In presence of**



1. Dr. C. Krishnakumar  
IQAC Coordinator & HOD/EEE Dept.,  
SCE.



2. Dr. G. Jayaprakash  
HOD/Mech Dept., SCE.







தமிழ்நாடு தமிழ்நாடு TAMIL NADU 6.1.23.

Saranathan Engineering College, Trichy.

10AC 363820

வீ. பாலசுப்பிரமணியன் B.E.,  
மு.தா.வி. K.சாத்தனார்  
உரிமம் எண்: 19/2021/TRY  
K.சாத்தனார், திருச்சி

Memorandum of Understanding for  
Skill Development and Training

BETWEEN

Centre of Excellence in Manufacturing

National Institute of Technology

TIRUCHIRAPPALLI

AND

Saranathan College of Engineering

Tiruchirappalli

CoE Manufacturing, NITT

Page 1 of 6

Saranathan College





The Agreement is executed on this 04<sup>th</sup> January 2023 (Effective Date), as a process of renewal of the previous MoU signed (on 07<sup>th</sup> September 2019), by and between:

Centre of Excellence in Manufacturing hereinafter called the "CoE Manufacturing or CoE "functioning in National Institute of Technology, Tiruchirappalli, a premier academic Institution of International repute incorporated under National Institute of Technology Act, 2007 having its permanent campus and office at Tanjore main road, National Highway 67, near BHEL, Tiruchirappalli, Tamilnadu 620015 (hereafter referred to as 'NIT Trichy', which expression shall include its successors and assigns) of the first part;

And

Saranathan College of Engineering, Tiruchirappalli hereinafter called the "SCE" (which expression shall unless repugnant to the context or meaning thereof be deemed to mean and include its successors and assigns) of the second part;

**WHEREAS:**

1. The National Institute of Technology (formerly known as Regional Engineering College) Tiruchirappalli, situated in the heart of Tamil Nadu on the banks of river Cauvery, was started as a joint and co-operative venture of the Government of India and the Government of Tamil Nadu in 1964 with a view to catering to the needs of man-power in technology for the country. The college has been conferred with autonomy in financial and administrative matters to achieve rapid development. Because of this rich experience, this institution was granted Deemed University Status with the approval of the UGC/AICTE and Govt. of India in the year 2003 and renamed as National Institute of Technology, thereafter.
2. CoE Manufacturing established in 2018 at NIT,Trichy. The CoE operates with a primary objective of creating a robust technical education eco-system through its experience in industrial products and services. This CoE Manufacturing is intended to bridge today's gap between industry requirements and technical education, and provide solution that makes technical institutes be more aligned with industry needs and make engineering graduate students, industry compliant / on par with industry expectations.
3. CoE Manufacturing has 12 sophisticated Laboratories for Design and Validation, Advanced Manufacturing, Test and Optimization, Automation, Electrical and Energy savings, Process Instrumentation, Mechatronics, CNC Machines, CNC Controller, Robotics, Rapid Prototyping and Internet of Things through which different services are offered to Academic Institutions and Industries.

  
CoE Manufacturing, NITT

Page 2 of 6

  
Saranathan College of Engineering





#### 4. Vision - CoE Manufacturing

- a. To provide skill excellence through Training, R&D and Consultancy for robust Industry relevant technical education eco-system.

#### 5. Mission - CoE Manufacturing

- a. To offer certified skill development programmes for enhancing placement opportunities
- b. To promote industry-academia partnership by engaging in extensive consultancy services
- c. To engage in Research and Development for societal benefits and upliftment of under privileged members of the society
- d. To strategically align with Institute's Vision and Mission for building the brand image of NITT

#### 6. Details of Institute

Saranathan College of Engineering was founded by "Vidya Seva Ratnam", "Guru Seva Mani" Auditor Sri. K. Santhanam in the year 1998. It was so named in respectful memory of his Guru Principal Saranathan. It is a self financing college approved by AICTE and affiliated to Anna University, Chennai.

The college was located in sprawling 40 acre campus on the Chennai – Madurai Expressway at Panjappur. The college has a current annual intake of 720 students for the 10 branches offered at the undergraduate level and 84 students for the 5 courses offered at the post-graduate level. All the eligible six branches have been accredited by NBA and the institute has been accredited by NAAC (A+ grade).

The CoE Manufacturing, National Institute of Technology, Tiruchirappalli, India enters into the following Agreement to offer Skill Development, Training and other related services to saranathan College of Engineering, Tiruchirappalli..

1. CoE Manufacturing offers various skill development courses across different disciplines. Saranathan College of Engineering committed/commits to send 100 number of students/faculty every year for such courses. The timing/duration of the courses shall be arrived on mutually agreed dates. The CoE offers 20-40% discount on the regular advertised course fee depending on the demand.
2. A student/faculty who has completed any CoE offered courses will be given 10 Hours of free Lab usage time after the course within one-year duration. The timing will be decided by the CoE based on the availability.



3. CoE Manufacturing offers the resources for student projects on chargeable basis. It is the responsibility of the faculty mentor from Saranathan College of Engineering to monitor the progress. The CoE shall not offer any certification for such usage but shall provide an attendance certificate.
4. CoE Manufacturing offers Internships to students. The CoE can accommodate a reasonable number of students depending on the demand.
5. The faculty of Saranathan College of Engineering shall submit funding/consultancy proposals quoting the CoE Manufacturing resources. In such cases, a NITT faculty will be the Co-PI and budgeting need to be arrived through mutual discussion before submission.
6. CoE Manufacturing periodically conducts workshops/ symposiums/ conferences etc. For such events, any participant from Saranathan College of Engineering will get 25% discount on the Registration fee.
7. Saranathan College of Engineering shall organize events such as workshops/symposiums/conferences jointly with CoE Manufacturing. In such cases, the financial implications need to be discussed and to be approved by competent authorities before the event.
8. CoE Manufacturing will not be responsible for safety of the students outside the NITT premises. Saranathan College of Engineering should instruct their students clearly on the safety and precautionary measures.
9. CoE Manufacturing will not be responsible for loss/theft or damage of any of the student's belongings. Saranathan College of Engineering should instruct their students clearly on the precautionary measures.
10. The implementation of specific activities will be separately agreed between both institutions on need basis.
11. Other terms and conditions which are not provided in this Agreement will be deliberated and agreed upon by the institutions hereto.

12. This Agreement is established in English language and is valid from the date of signing by the representatives of the institutions. The institutions hereto

CoE Manufacturing, NITT

Page 4 of 6

Saranathan College of Engineering





have executed this Agreement in duplicate, and each institution shall keep one copy of the originals.

13. This agreement shall be governed by and construed in accordance with the laws of India.
14. The two parties will consult each other and attempt to resolve disputes or misunderstandings that arise in the administration of this agreement informally.
15. This agreement shall be valid for a period of one year from the date both signatures are affixed to this document or before if terminated by mutual agreement of both. This agreement may be terminated by either party after one hundred and twenty (120) days following receipt of a written notification of intent to terminate by the other party.
16. If a proposal to renew this agreement is not presented before the end validity period, it will be terminated automatically at the end of one year.
17. Any media release pertaining to the collaboration and other activities with CoE in Manufacturing requires prior approval. Violation will lead to appropriate actions which includes cancellation of MoU between both the parties.
18. This is a non-exclusive MoU

  
CoE Manufacturing, NITT

Page 5 of 6

  
Saranathan College of Engineering





**SIGNED IN DUPLICATE**

This MOU is executed in duplicate with each copy being an official version of the agreement and having equal legal validity.

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.

Signed and delivered on behalf of by

Dr. D. Sriram Kumar, Head, CoE Manufacturing, National Institute of Technology, Tiruchirappalli, in the presence of Dr. V. Sankaranarayanan, Dean (Research and Consultancy), National Institute of Technology, Tiruchirappalli.

**For and on behalf of CoE  
Manufacturing**



Name: Dr. D. Sriram Kumar  
Head, CoE Manufacturing  
NIT Tiruchirappalli

**For and on behalf of Saranathan  
College of Engineering**



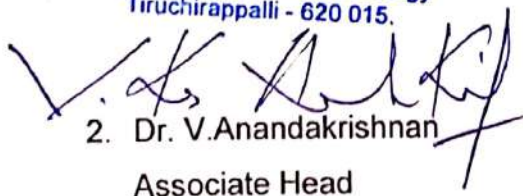
Name: Dr. D. Valavan  
Principal  
Saranathan College of Engineering

**PRINCIPAL  
Saranathan College of Engineering  
TRICHY - 12.**

**In presence of**



1. Dr. V. Sankaranarayanan  
**Dr. V. SANKARANARAYANAN**  
Dean (Research and Consultancy)  
Research & Consultancy  
NIT Tiruchirappalli  
National Institute of Technology  
Tiruchirappalli - 620 015.



2. Dr. V. Anandakrishnan  
Associate Head



**In presence of**



1. Dr. C. Krishnakumar  
IQAC Coordinator & HOD/EEE Dept.,  
SCE.



2. Dr. G. Jayaprakash  
HOD/Mech Dept., SCE.

