



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C. Nagar, K.Vellakulam – 625 701 (Near **VIRUDHUNAGAR**).

3.7.2 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc.

Sl. No	Organisation with which MoU is signed	Name of the institution/ industry/ corporate house	Page No.
1	Industry	Quantanics Techserv Private Limited	2
2	Industry	PupilFirst Private Limited	16
3	Industry	Aptean India Pvt Ltd	28
4	Industry	Pantech E Learning, Chennai	31
5	University	Siemens-Center for Excellence ,National Insitute of Technology, Trichy	36
6	Government Organization	National Highways Authority of India	41
7	Industry	SMC Corporation (India) Pvt Ltd	46



தமிழ்நாடு தமில்நாடு TAMIL NADU

21 AUG 2021

Kamaraj College of Engineering
And Technology
K. Vellakulam

97AB 011252

செ. சி. வெங்கடர்
என். சி. வெங்கடர்
விஞ்ஞானக் (க.நா.)
நிர் 476/பி1/அ1 10-4-21

**ACADEMIC-INDUSTRIAL COLLABORATION
MEMORANDUM OF UNDERSTANDING (MoU)**

This MOU dated 23rd August 2021 is by and between

**KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY,
MADURAI**

(Hereinafter referred to as **MAIN Partner**)

and

Quantanics Techserv Private Limited

(Hereinafter referred to as **QUANTANICS**)

Recognizing the need to cultivate an industry and institution interaction, value addition and perpetual need to keep abreast within latest development in the required fields The purpose of this MoU is to memorialize recent conversations and basic understanding to the parties.

Contd..2

(Signature)

A. Venasan

..2..

WHEREAS, in consideration of the mutual covenants and agreements contained herein, the parties agree to the following:

1. Industrial visits
2. Technical festivals
3. Competency Program/ Student Research workshop
4. In plant Training
5. Internship
6. Student Academic Project at Industry
7. Industrial Research (Staff/Students)
8. Software & Application Development for Industry/Organization
9. Project funded by Industry/Organization(Staff/Students)
10. Submission of Projects/Proposals to Funding Agency
11. Knowledge Transfer/Training Classes by our Faculty to Industry
12. Consultancy Work
13. Faculty training at Industry
14. Product display in project Exhibition (Industry/Organization)

This MoU is valid of next Two years and can be renewed by mutual consent.

Contd..3



A. B. Beraoan

..3..

IN WITNESS WHEREOF, Quantanics Techserv Private Limited and the MAIN PARTNER have duly executed and delivered two originals of this AGREEMENT as of the last date written below

**By : Quantanics Techserv
Private Limited**

206, Vellaikannu Nagar,
Theni main road,
Madurai – 625016

Authorized Representative:
Er.A.Kesavan

Title : **CEO**

Signature : A. Kesavan

Date : 23.08.2021



**By: KAMARAJ College of
Engineering and Technology**

S.P.G.ChidambaraNadar-C.Nagammal
Campus, S.P.G.C.Nagar, K.Vellakulam -
625 701 (Near Virudhunagar),
Madurai District.

Authorized Representative:
Er.S.P.G.C.Srimurugan.,

B.E.M.Sc.,(Engg),Manchester,

Title : **Chairman**

Signature : Srimurugan

Date : 23.08.2021

SECRETARY
KAMARAJ COLLEGE OF ENGINEERING &
TECHNOLOGY MANAGING BOARD
VIRUDHUNAGAR.

Department of Computer Science and Engineering
ISTE Students' Chapter

Ref: KCET/CSE/ISTE/ODD/2020-21

S. No	Academic Year	Date	Name of the Activity Organized	Resource Person	Number of students participated
1.	2020-21 (EVEN)	09.03.2021	Workshop on IoT Projects	Mr. Kesavan, Mr. Sathish Kumar Quantanics Tech Serv Pvt. Ltd.,	III CSE (107 Students)



ISTE Staff-incharge/CSE



HOD/CSE



APPROVAL BOOK

No.

ISTE

Date 06/03/2021

71

Approval may please be granted for the amounts of Rs 5850 (Five thousand Eighty Fifty) towards ISTE student's Chapter Event for the Academic year (2020-2021) Even semester for the Department of Computer Science and Engineering

Event Details

Event name: Workshop on IoT projects
[Date: 09/03/2021]

Expenditure Details

[5 persons] Resource persons Remuneration - 5000 Rs

Hospitality - 600 Rs

Stationary - 250 Rs

ISTE

Fund Available - 4,06,035.20

Now claim - 5,850.00

4,00,185.20

ISTE Co-ordinator
6/3/2021

(B. Anand Hanthi)

HOD
6/3/2021

Secretary

OM

Signature of Approving Authority

Secretary

Department of Computer Science and Engineering
ISTE Students' Chapter

Ref: KCET/CSE/ISTE/EVEN/2020-21/1

09.03.2021

Circular

The Department of Computer Science and Engineering is organizing a one day workshop on "IoT Projects" through ISTE Students Chapter on 09.03.2021 for III CSE students.

Resource Person: Industrial Person from Quantanics TechServ (P) Ltd.,

Objective of the Workshop

Explain the basic concepts of IoT and the requirements to design own IoT solutions

TOPIC OF THEORY	HANDS ON PRACTICAL (Individual)	REQUIREMENT OF MATERIALS
IOT Introduction, Basics of C Programming, Basic Electronics	Setting up Arduino IDE, LED Blinking, Traffic Light System	For Software - Student Laptop/Desktop For Hardware - Kit will be provided by Quantanics
Diving deep into C programming (functions)	LED control using push button, Motor switching on using relay	For Software - Student Laptop/Desktop For Hardware - Kit will be provided by Quantanics
C pointers, arrays and memory allocation	Temperature sensor to display temperature	For Software - Student Laptop/Desktop For Hardware - Kit will be provided by Quantanics
ESP 32/ ESP8266 architecture	LED and Switch Control basics using ESP	For Software - Student Wifi, Laptop/Desktop For Hardware - Kit will be provided by Quantanics
Timer	Counter, Clock	For Software - Student Laptop/Desktop For Hardware - Kit will be provided by Quantanics

Department of Computer Science and Engineering
ISTE Students' Chapter

PWM	PWM Example Project	For Software - Student Laptop/Desktop For Hardware - Kit will be provided by Quantanics
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Course Outcome

At the end of the one day course students will be able to develop IoT projects for realtime problems

PO-CO Mapping CS8591 Computer Network

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
C302	M	M			L			L		L			L	L


Co-ordinators


ISTE in-charge


HOD / CSE

S.NO	M/F	ROLL NO	Uni.Reg.No	NAME	FN (T.00)	FN (11.00am)	A
1	M	18UCSE004	920418104102	VAASU.G.S	V.A.S	V.A.S	V.A.S
2	F	18UCSE006	920418104067	MUTHUMEENAKSHI.P	Muthu	Muthu	Muthu
3	M	18UCSE007	920418104031	HARISH.V	Harish	Harish	Harish
4	M	18UCSE008	920418104084	RENISH.S	Renish	Renish	Renish
5	M	18UCSE010	920418104026	GURUPRAKASH.S	Guru	Guru	Guru
6	F	18UCSE012	920418104088	SARANYA.K	Sarany	Sarany	Sarany
7	F	18UCSE015	920418104099	THENMOZH.K	Then	Then	Then
8	M	18UCSE016	920418104081	RAJAVEL.S	Raja	Raja	Raja
9	M	18UCSE019	920418104045	JOTHIPRAVIN.J.G	Jothi	Jothi	Jothi
10	M	18UCSE020	920418104001	AARON RAJADURALE	Aaron	Aaron	Aaron
11	F	18UCSE022	920418104106	VIDHYA.P	Vidhya	Vidhya	Vidhya
12	M	18UCSE023	920418104061	MATHAN.S	Mathan	Mathan	Mathan
13	F	18UCSE025	920418104092	SIVA SANKARI.P	Siva	Siva	Siva
14	M	18UCSE026	920418104010	ANDREW ISAAC RAJ.G	Andrew	Andrew	Andrew
15	F	18UCSE027	920418104008	AMRITA.S	Amrita	Amrita	Amrita
16	M	18UCSE029	920418104033	HARISH RATHINAM.S	Harish	Harish	Harish
17	F	18UCSE031	920418104021	DHARSHINI.M	Dharshini	Dharshini	Dharshini
18	M	18UCSE034	920418104064	MOHAMED RASITH.A.S.M	Mohamed	Mohamed	Mohamed
19	F	18UCSE037	920418104046	KANISHA PATHY.V.B	Kanisha	Kanisha	Kanisha
20	M	18UCSE038	920418104014	ARUN KUMAR.C	Arun	Arun	Arun
21	F	18UCSE039	920418104070	NANDHINI.M	Nandhini	Nandhini	Nandhini
22	M	18UCSE040	920418104101	UBESH KARTHICK.S	Ubesh	Ubesh	Ubesh
23	M	18UCSE044	920418104007	AKASH RAJAD	Akash	Akash	Akash
24	F	18UCSE045	920418104095	SUBASREE.S	Subasree	Subasree	Subasree
25	F	18UCSE051	920418104076	POOJA.A	Pooja	Pooja	Pooja
26	M	18UCSE052	920418104060	MAREESWAR.V.M.	Mareeswar	Mareeswar	Mareeswar
27	F	18UCSE053	920418104068	MUTHU SHANKARI.C	Muthu	Muthu	Muthu
28	M	18UCSE054	920418104065	MOHAN.M	Mohan	Mohan	Mohan
29	M	18UCSE056	920418104097	SURYA.S	Surya	Surya	Surya
30	F	18UCSE058	920418104038	JANANI.K	Janani	Janani	Janani
31	F	18UCSE059	920418104075	PON VIGNESH.K	Pon	Pon	Pon
32	M	18UCSE061	920418104091	SIDDHARTHAN.S	Siddharth	Siddharth	Siddharth
33	F	18UCSE065	920418104078	PRIYADHARSHINI.K	Priyadharshini	Priyadharshini	Priyadharshini
34	M	18UCSE066	920418104077	PRABHU NIVETHAN.R.R	Prabhu	Prabhu	Prabhu
35	M	18UCSE069	920418104051	KASIRAJAN.A	Kasirajan	Kasirajan	Kasirajan
36	M	18UCSE070	920418104017	DESIKA NITHISH.I	Desika	Desika	Desika
37	F	18UCSE071	920418104035	HEMALATHA.A	Hemalatha	Hemalatha	Hemalatha
38	F	18UCSE073	920418104073	PANDI SELVI.S	Pandi	Pandi	Pandi
39	M	18UCSE074	920418104023	DINESH RAJ.K	Dinesh	Dinesh	Dinesh
40	F	18UCSE075	920418104086	SANGAVI.M	Sangavi	Sangavi	Sangavi
41	M	18UCSE083	920418104069	NANDHA KUMAR.J	Nandha	Nandha	Nandha
42	F	18UCSE084	920418104054	KEERTHANA.R	Keerthana	Keerthana	Keerthana
43	M	18UCSE087	920418104074	PANDIYARAJAN.R	Pandiyarajan	Pandiyarajan	Pandiyarajan
44	M	18UCSE091	920418104052	KAUSHIK.G.J	Kaushik	Kaushik	Kaushik
45	M	18UCSE092	920418104002	AARTHRESH.T	Aarthresh	Aarthresh	Aarthresh
46	F	18UCSE096	920418104100	THULASIKA.A	Thulasi	Thulasi	Thulasi
47	M	18UCSE097	920418104047	KARTHICK.K	Karthick	Karthick	Karthick
48	M	18UCSE102	920418104015	BALAJI.A	Balaji	Balaji	Balaji
49	F	18UCSE103	920418104059	MANISHA.S	Manisha	Manisha	Manisha
50	F	18UCSE104	920418104080	RAJA SHREE.G.D	Raja	Raja	Raja
51	M	18UCSE106	920418104009	ANAND.R	Anand	Anand	Anand
52	M	18UCSE108	920418104050	KARTHIK RAJA.M	Karthik	Karthik	Karthik
53	F	18UCSE110	920418104301	SHARUMATHI.J	Sharumathi	Sharumathi	Sharumathi
54	F	18UCSE111	920418104302	VINOTHINI.K	Vinothini	Vinothini	Vinothini

No	M/F	ROLL NO	Uni.Reg.No	NAME	9-10	11-12	1.50-4
1	F	18UCSE001	920418104044	JEYASWATHI.A	Ajayani	Ajayani	Ajayani
2	F	18UCSE002	920418104011	ARATHY.A	Amithy	Amithy	Amithy
3	F	18UCSE003	920418104039	JANANI.M	J. Janani	J. Janani	J. Janani
4	F	18UCSE005	920418104034	HARSINI.S	H. Sini	H. Sini	H. Sini
5	M	18UCSE011	920418104056	LAKSHMANA PANDIAN.P	L. Pandian	L. Pandian	L. Pandian
6	M	18UCSE013	920418104028	HARIHARAN.S	H. Hariharan	H. Hariharan	H. Hariharan
7	F	18UCSE014	920418104058	MAHIMA.B	M. Mahima	M. Mahima	M. Mahima
8	M	18UCSE017	920418104019	DEVANANTH.R	D. R. Ananth	D. R. Ananth	D. R. Ananth
9	M	18UCSE018	920418104104	VASU DEVAN.M.S	V. M. S. Vasu	V. M. S. Vasu	V. M. S. Vasu
10	M	18UCSE021	920418104072	PADHMANABAN.M	P. M. Anaban	P. M. Anaban	P. M. Anaban
11	M	18UCSE024	920418104013	ARJUN.S	A. S. Arjun	A. S. Arjun	A. S. Arjun
12	F	18UCSE028	920418104042	JEYANARMATHA.K	J. K. Armatha	J. K. Armatha	J. K. Armatha
13	F	18UCSE030	920418104004	ADSHAYA.M	A. M. Adshaya	A. M. Adshaya	A. M. Adshaya
14	M	18UCSE032	920418104016	DAYAL ANAND.P	D. P. Anand	D. P. Anand	D. P. Anand
15	F	18UCSE033	920418104030	HARINI PRABHA.B	H. B. Prabha	H. B. Prabha	H. B. Prabha
16	M	18UCSE035	920418104003	ABISHEK.B	A. B. Abishek	A. B. Abishek	A. B. Abishek
17	F	18UCSE036	920418104093	SONALI.S	S. S. Sonali	S. S. Sonali	S. S. Sonali
18	F	18UCSE041	920418104024	DURGA SRI.S	D. S. Durga	D. S. Durga	D. S. Durga
19	F	18UCSE042	920418104041	JAYAMATHANGHI.M	J. M. Mathangi	J. M. Mathangi	J. M. Mathangi
20	M	18UCSE043	920418104055	KESAV AADISH.P	K. P. Aadish	K. P. Aadish	K. P. Aadish
21	M	18UCSE046	920418104032	HARISH NATHAN.S	H. S. Nathan	H. S. Nathan	H. S. Nathan
22	M	18UCSE047	920418104087	SANJAY.K	S. K. Sanjay	S. K. Sanjay	S. K. Sanjay
23	F	18UCSE048	920418104071	NANDHINI KUMARI.S	N. S. Kumari	N. S. Kumari	N. S. Kumari
24	M	18UCSE049	920418104066	MUNESWARAN.S	M. S. Swaran	M. S. Swaran	M. S. Swaran
25	F	18UCSE050	920418104057	LOKESWARI.K	L. K. Swari	L. K. Swari	L. K. Swari
26	F	18UCSE057	920418104089	SENBAGA DEVI.M	S. M. Devi	S. M. Devi	S. M. Devi
27	F	18UCSE060	920418104040	JASPER MERLIN.I	J. I. Merlin	J. I. Merlin	J. I. Merlin
28	M	18UCSE062	920418104105	VEERAPUTHIRAN.L	V. L. Puthiran	V. L. Puthiran	V. L. Puthiran
29	F	18UCSE063	920418104083	RAMPRIYA.M	R. M. Priya	R. M. Priya	R. M. Priya
30	M	18UCSE067	920418104005	AJITH KUMAR.P	A. P. Kumar	A. P. Kumar	A. P. Kumar
31	F	18UCSE068	920418104094	SRUTHI.M	S. M. Sruthi	S. M. Sruthi	S. M. Sruthi
32	F	18UCSE072	920418104090	SHANMUGA PRIYA.G.A	S. G. A. Priya	S. G. A. Priya	S. G. A. Priya
33	F	18UCSE076	920418104025	FLOORA RUFEEENA.T	F. T. Rufeeena	F. T. Rufeeena	F. T. Rufeeena
34	F	18UCSE077	920418104107	VIJAYALAKSHMI.G	V. G. Lakshmi	V. G. Lakshmi	V. G. Lakshmi
35	M	18UCSE078	920418104085	RUDOLF SAM.T	R. T. Sam	R. T. Sam	R. T. Sam
36	M	18UCSE079	920418104049	KARTHIK KUMAR.I	K. I. Kumar	K. I. Kumar	K. I. Kumar
37	M	18UCSE080	920418104027	HARI HARA BOSE.T	H. T. Bose	H. T. Bose	H. T. Bose
38	F	18UCSE081	920418104006	AKALYA.B	A. B. Akalya	A. B. Akalya	A. B. Akalya
39	M	18UCSE082	920418104082	RAMAKRISHNAN.R	R. R. Krishnan	R. R. Krishnan	R. R. Krishnan
40	M	18UCSE085	920418104022	DILIPAN RICHI R.V.S	D. R. V. S. Dilipan	D. R. V. S. Dilipan	D. R. V. S. Dilipan
41	M	18UCSE086	920418104029	HARI HARA SASDHA.S	H. S. Sasdha	H. S. Sasdha	H. S. Sasdha
42	F	18UCSE088	920418104018	DEVADHARSHINI.C	D. C. Harshini	D. C. Harshini	D. C. Harshini
43	M	18UCSE089	920418104103	VASANTH.L	V. L. Ananth	V. L. Ananth	V. L. Ananth
44	M	18UCSE090	920418104043	JEYASANKAR.C	J. C. Sankar	J. C. Sankar	J. C. Sankar
45	M	18UCSE094	920418104062	MOHAMED ARSAD.M	M. M. Arsad	M. M. Arsad	M. M. Arsad
46	M	18UCSE095	920418104036	HEMANTH KUMAR.R	H. R. Kumar	H. R. Kumar	H. R. Kumar
47	M	18UCSE098	920418104063	MOHAMED JINNA.A	M. A. Jinnah	M. A. Jinnah	M. A. Jinnah
48	F	18UCSE099	920418104098	SWETHA LAKSHMI.S	S. S. Lakshmi	S. S. Lakshmi	S. S. Lakshmi
49	F	18UCSE100	920418104020	DHANUSHIYA.S	D. S. Shiyah	D. S. Shiyah	D. S. Shiyah
50	F	18UCSE101	920418104096	SUNDARESWARI.M	S. M. Swari	S. M. Swari	S. M. Swari
51	F	18UCSE105	920418104053	KAVYA.P	K. P. Kavya	K. P. Kavya	K. P. Kavya
52	F	18UCSE107	920418104037	ISHWARYA.P	I. P. Shwarya	I. P. Shwarya	I. P. Shwarya
53	F	18UCSE109	920418104079	PRIYADHARSHINI.R	P. R. Harshini	P. R. Harshini	P. R. Harshini

Rafiq

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(III YEAR - SECTION - A) 2018 - 2022 Batch 3 - A

S.NO	M/F	ROLL NO	Uni.Reg.No	NAME	FN (9.00)	FN (11.00am)	AN
1	M	18UCSE004	920418104102	VAASU.G.S	V.A.S	V.A.S	V.A.S
2	F	18UCSE006	920418104067	MUTHUMEENAKSHI.P	Muthumeenakshi P	Muthumeenakshi P	Muthumeenakshi P
3	M	18UCSE007	920418104031	HARISH.V	Harish V	Harish V	Harish V
4	M	18UCSE008	920418104084	RENISH.S	Renish S	Renish S	Renish S
5	M	18UCSE010	920418104026	GURUPRAKASH.S	Guruprakash S	Guruprakash S	Guruprakash S
6	F	18UCSE012	920418104088	SARANYA.K	Saranya K	Saranya K	Saranya K
7	F	18UCSE015	920418104099	THENMOZHI.K	Thenmozhi K	Thenmozhi K	Thenmozhi K
8	M	18UCSE016	920418104081	RAJAVEL.S	Rajavel S	Rajavel S	Rajavel S
9	M	18UCSE019	920418104045	JOTHIPRAVIN.J.G	Jothipravin J.G	Jothipravin J.G	Jothipravin J.G
10	M	18UCSE020	920418104001	AARON RAJADURAI.E	Aaron Rajadurai E	Aaron Rajadurai E	Aaron Rajadurai E
11	F	18UCSE022	920418104106	VIDHYA.P	Vidhya P	Vidhya P	Vidhya P
12	M	18UCSE023	920418104061	MATHAN.S	Mathan S	Mathan S	Mathan S
13	F	18UCSE025	920418104092	SIVA SANKARI.P	Siva Sankari P	Siva Sankari P	Siva Sankari P
14	M	18UCSE026	920418104010	ANDREW ISAAC RAJ.G	Andrew Isaac Raj G	Andrew Isaac Raj G	Andrew Isaac Raj G
15	F	18UCSE027	920418104008	AMRITA.S	Amrita S	Amrita S	Amrita S
16	M	18UCSE029	920418104033	HARISH RATHINAM.S	Harish Rathinam S	Harish Rathinam S	Harish Rathinam S
17	F	18UCSE031	920418104021	DHARSHINI.M	Dharshini M	Dharshini M	Dharshini M
18	M	18UCSE034	920418104064	MOHAMED RASITH.A.S.M	Mohamed Rasith A.S.M	Mohamed Rasith A.S.M	Mohamed Rasith A.S.M
19	F	18UCSE037	920418104046	KANISHA PATHY.V.B	Kanisha Pathy V.B	Kanisha Pathy V.B	Kanisha Pathy V.B
20	M	18UCSE038	920418104014	ARUN KUMAR.C	Arun Kumar C	Arun Kumar C	Arun Kumar C
21	F	18UCSE039	920418104070	NANDHINI.M	Nandhini M	Nandhini M	Nandhini M
22	M	18UCSE040	920418104101	UBESH KARTHICK.S	Ubesh Karthick S	Ubesh Karthick S	Ubesh Karthick S
23	M	18UCSE044	920418104007	AKASH RAJA.D	Akash Raja D	Akash Raja D	Akash Raja D
24	F	18UCSE045	920418104095	SUBASREE.S	Subasree S	Subasree S	Subasree S
25	F	18UCSE051	920418104076	POOJA.A	Pooja A	Pooja A	Pooja A
26	M	18UCSE052	920418104060	MAREESWAR.V.M.	Mareeswar V.M	Mareeswar V.M	Mareeswar V.M
27	F	18UCSE053	920418104068	MUTHU SHANKARI.C	Muthu Shankari C	Muthu Shankari C	Muthu Shankari C
28	M	18UCSE054	920418104065	MOHAN.M	Mohan M	Mohan M	Mohan M
29	M	18UCSE056	920418104097	SURYA.S	Surya S	Surya S	Surya S
30	F	18UCSE058	920418104038	JANANI.K	Janani K	Janani K	Janani K
31	F	18UCSE059	920418104075	PON VIGNESH.K	Pon Vignesh K	Pon Vignesh K	Pon Vignesh K
32	M	18UCSE061	920418104091	SIDDHARTHAN.S	Siddharthan S	Siddharthan S	Siddharthan S
33	F	18UCSE065	920418104078	PRIYADHARSHINI.K	Priyadharshini K	Priyadharshini K	Priyadharshini K
34	M	18UCSE066	920418104077	PRABHU NIVETHAN.R.R	Prabhu Nivethan R.R	Prabhu Nivethan R.R	Prabhu Nivethan R.R
35	M	18UCSE069	920418104051	KASIRAJAN.A	Kasirajan A	Kasirajan A	Kasirajan A
36	M	18UCSE070	920418104017	DESIKA NITHISH.I	Desika Nithish I	Desika Nithish I	Desika Nithish I
37	F	18UCSE071	920418104035	HEMALATHA.A	Hemalatha A	Hemalatha A	Hemalatha A
38	F	18UCSE073	920418104073	PANDI SELVI.S	Pandi Selvi S	Pandi Selvi S	Pandi Selvi S
39	M	18UCSE074	920418104023	DINESH RAJ.K	Dinesh Raj K	Dinesh Raj K	Dinesh Raj K
40	F	18UCSE075	920418104086	SANGAVI.M	Sangavi M	Sangavi M	Sangavi M
41	M	18UCSE083	920418104069	NANDHA KUMAR.J	Nandha Kumar J	Nandha Kumar J	Nandha Kumar J
42	F	18UCSE084	920418104054	KEERTHANA.R	Keerthana R	Keerthana R	Keerthana R
43	M	18UCSE087	920418104074	PANDIYARAJAN.R	Pandiyarajan R	Pandiyarajan R	Pandiyarajan R
44	M	18UCSE091	920418104052	KAUSHIK.G.J	Kaushik G.J	Kaushik G.J	Kaushik G.J
45	M	18UCSE092	920418104002	AARTHRESH.T	Aarthresh T	Aarthresh T	Aarthresh T
46	F	18UCSE096	920418104100	THULASIKA.A	Thulasiika A	Thulasiika A	Thulasiika A
47	M	18UCSE097	920418104047	KARTHICK.K	Karthick K	Karthick K	Karthick K
48	M	18UCSE102	920418104015	BALAJI.A	Balaji A	Balaji A	Balaji A
49	F	18UCSE103	920418104059	MANISHA.S	Manisha S	Manisha S	Manisha S
50	F	18UCSE104	920418104080	RAJA SHREE.G.D	Raja Shree G.D	Raja Shree G.D	Raja Shree G.D
51	M	18UCSE106	920418104009	ANAND.R	Anand R	Anand R	Anand R
52	M	18UCSE108	920418104050	KARTHIK RAJA.M	Karthik Raja M	Karthik Raja M	Karthik Raja M
53	F	18UCSE110	920418104301	SHARUMATHI.J	Sharumathi J	Sharumathi J	Sharumathi J
54	F	18UCSE111	920418104302	VINOTHINI.K	Vinothini K	Vinothini K	Vinothini K

S.No	M/F	ROLL NO	Unl.Reg.No	NAME	9-10/11	11-12/10	1-30-11
1	F	18UCSE001	920418104044	JEYASWATHI.A	Jeyaswathi	Jeyaswathi	Jeyaswathi
2	F	18UCSE002	920418104011	ARATHY.A	Arathy	Arathy	Arathy
3	F	18UCSE003	920418104039	JANANI.M	Janani	Janani	Janani
4	F	18UCSE005	920418104034	HARSINI.S	Harsini	Harsini	Harsini
5	M	18UCSE011	920418104056	LAKSHMANA PANDIAN.P	Lakshmanan	Lakshmanan	Lakshmanan
6	M	18UCSE013	920418104028	HARIHARAN.S	Harihara	Harihara	Harihara
7	F	18UCSE014	920418104058	MAHIMA.B	Mahima	Mahima	Mahima
8	M	18UCSE017	920418104019	DEVANANTH.R	Devanathan	Devanathan	Devanathan
9	M	18UCSE018	920418104104	VASU DEVAN.M.S	Vasudev	Vasudev	Vasudev
10	M	18UCSE021	920418104072	PADHMANABAN.M	Padmanaban	Padmanaban	Padmanaban
11	M	18UCSE024	920418104013	ARJUN.S	Arjun	Arjun	Arjun
12	F	18UCSE028	920418104042	JEYANARMATHA.K	Jeyanar	Jeyanar	Jeyanar
13	F	18UCSE030	920418104004	ADSHAYA.M	Adshaya	Adshaya	Adshaya
14	M	18UCSE032	920418104016	DAYAL ANAND.P	Dayalanand	Dayalanand	Dayalanand
15	F	18UCSE033	920418104030	HARINI PRABHA.B	Harini	Harini	Harini
16	M	18UCSE035	920418104003	ABISHEK.B	Abishek	Abishek	Abishek
17	F	18UCSE036	920418104093	SONALI.S	Sonali	Sonali	Sonali
18	F	18UCSE041	920418104024	DURGA SRI.S	Durga	Durga	Durga
19	F	18UCSE042	920418104041	JAYAMATHANGHI.M	Jayamathi	Jayamathi	Jayamathi
20	M	18UCSE043	920418104055	KESAV AADISH.P	Kesava	Kesava	Kesava
21	M	18UCSE046	920418104032	HARISH NATHAN.S	Harish	Harish	Harish
22	M	18UCSE047	920418104087	SANJAY.K	Sanjay	Sanjay	Sanjay
23	F	18UCSE048	920418104071	NANDHINI KUMARI.S	Nandhini	Nandhini	Nandhini
24	M	18UCSE049	920418104066	MUNESWARAN.S	Muneswaran	Muneswaran	Muneswaran
25	F	18UCSE050	920418104057	LOKESWARI.K	Lokeswari	Lokeswari	Lokeswari
26	F	18UCSE057	920418104089	SENBAGA DEVI.M	Senbaga	Senbaga	Senbaga
27	F	18UCSE060	920418104040	JASPER MERLIN.I	Jasper	Jasper	Jasper
28	M	18UCSE062	920418104105	VEERAPUTHIRAN.L	Veeraputhiran	Veeraputhiran	Veeraputhiran
29	F	18UCSE063	920418104083	RAMPRIYA.M	Rampriya	Rampriya	Rampriya
30	M	18UCSE067	920418104005	AJITH KUMAR.P	Ajith	Ajith	Ajith
31	F	18UCSE068	920418104094	SRUTHI.M	Sruthi	Sruthi	Sruthi
32	F	18UCSE072	920418104090	SHANMUGA PRIYA.G.A	Shanmuga	Shanmuga	Shanmuga
33	F	18UCSE076	920418104025	FLOORA RUFEEENA.T	Floora	Floora	Floora
34	F	18UCSE077	920418104107	VIJAYALAKSHMI.G	Vijayalakshmi	Vijayalakshmi	Vijayalakshmi
35	M	18UCSE078	920418104085	RUDOLF SAM.T	Rudolf	Rudolf	Rudolf
36	M	18UCSE079	920418104049	KARTHIK KUMAR.J	Karthik	Karthik	Karthik
37	M	18UCSE080	920418104027	HARI HARA BOSE.T	Harihara	Harihara	Harihara
38	F	18UCSE081	920418104006	AKALYA.B	Akalya	Akalya	Akalya
39	M	18UCSE082	920418104082	RAMAKRISHNAN.R	Ramakrishnan	Ramakrishnan	Ramakrishnan
40	M	18UCSE085	920418104022	DILIPAN RICHI R.V.S	Dilip	Dilip	Dilip
41	M	18UCSE086	920418104029	HARI HARA SASDHA.S	Harihara	Harihara	Harihara
42	F	18UCSE088	920418104018	DEVADHARSHINI.C	Devadharshini	Devadharshini	Devadharshini
43	M	18UCSE089	920418104103	VASANTH.L	Vasanth	Vasanth	Vasanth
44	M	18UCSE090	920418104043	JEYASANKAR.C	Jeyasankar	Jeyasankar	Jeyasankar
45	M	18UCSE094	920418104062	MOHAMED ARSAD.M	Mohamed	Mohamed	Mohamed
46	M	18UCSE095	920418104036	HEMANTH KUMAR.R	Hemant	Hemant	Hemant
47	M	18UCSE098	920418104063	MOHAMED JINNA.A	Mohamed	Mohamed	Mohamed
48	F	18UCSE099	920418104098	SWETHA LAKSHMI.S	Swetha	Swetha	Swetha
49	F	18UCSE100	920418104020	DHANUSHIYA.S	Dhanushiya	Dhanushiya	Dhanushiya
50	F	18UCSE101	920418104096	SUNDARESWARI.M	Sundareswari	Sundareswari	Sundareswari
51	F	18UCSE105	920418104053	KAVYA.P	Kavya	Kavya	Kavya
52	F	18UCSE107	920418104037	ISHWARYA.P	Ishwarya	Ishwarya	Ishwarya
53	F	18UCSE109	920418104079	PRIYADHARSHINI.R	Priyadharshini	Priyadharshini	Priyadharshini

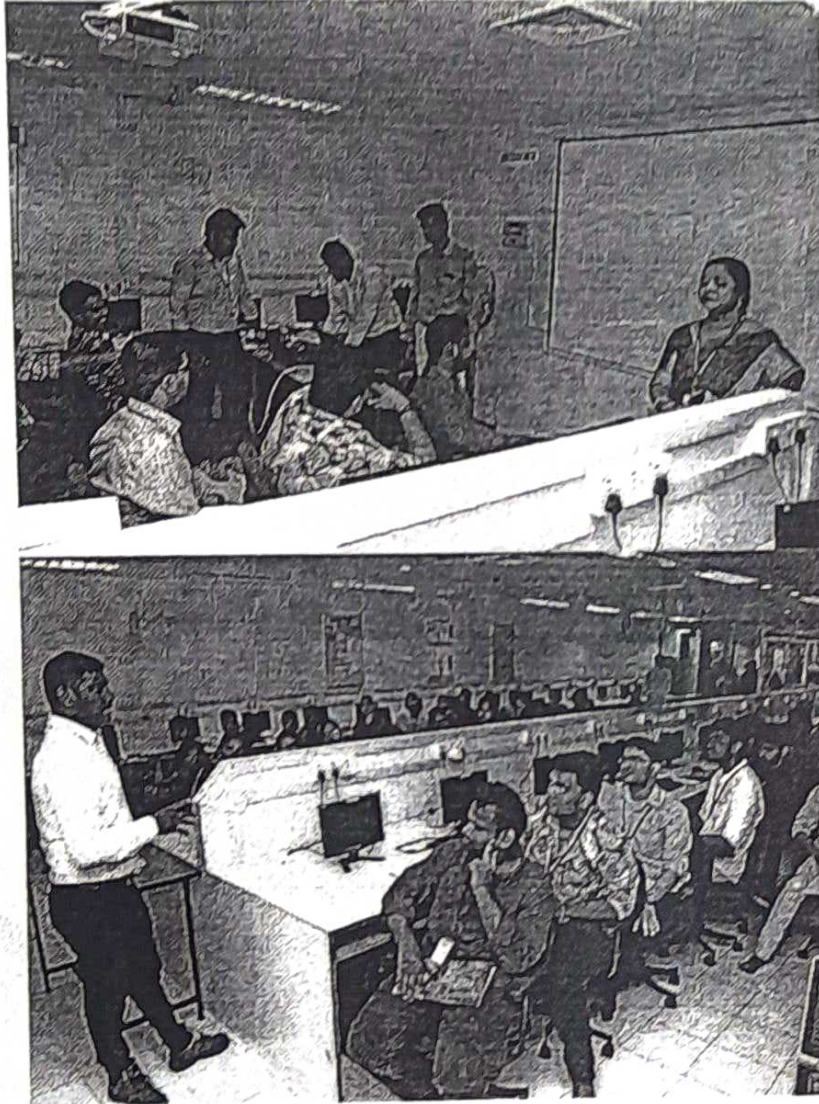
Department of Computer Science and Engineering
ISTE Students' Chapter

09.03.2021

Workshop on IoT Projects

Report

Department of Computer Science and Engineering in association with ISTE Students' Chapter organized a workshop on "IoT Projects" on 09.03.2021 for third year CSE students (107 Participants).



[Signature]
Co-Coordinator

[Signature]
ISTE Department in-charge

[Signature]
HOD / CSE

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Workshop on IoT Projects
9.3.2021

FEEDBACK FORM

PARTICIPANT INFORMATION

Name: M. Senbaga Devi
Department: CSE
Email id: senbaga.devi01@gmail.com

Roll Number: 18UCSE057

EVALUATION

SCALE: 1-STRONGLY AGREE; 2-AGREE; 3-NEUTRAL; 4-DISAGREE; 5-STRONGLY DISAGREE

	1	2	3	4	5	Comments
1. The Workshop was well organized.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. The Workshop was scheduled in time.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. The Workshop venue and facilities were appropriate and satisfactory	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Awareness about the Workshop was given clearly	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. The Workshop coordinator responded to your questions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Your rating about the workshop	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. Which is the best thing impressed you the most in this workshop						
8. Suggestions for improvement						

Date: 9-3-21
Place: Virudhunagar

M. Senbaga
Signature

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Workshop on IoT Projects
9.3.2021

FEEDBACK FORM

PARTICIPANT INFORMATION

Name: K. Priya dharshini

Roll Number: 18UCSE109

Department: C&E - B

Email id: Priyadharshini662@gmail.com

EVALUATION

SCALE: 1- STRONGLY AGREE; 2- AGREE; 3- NEUTRAL; 4- DISAGREE; 5- STRONGLY DISAGREE

	1	2	3	4	5	Comments
1. The Workshop was well organized.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. The Workshop was scheduled in time.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
3. The Workshop venue and facilities were appropriate and satisfactory	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Awareness about the Workshop was given clearly	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5. The Workshop coordinator responded to your questions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Your rating about the workshop	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. Which is the best thing impressed you the most in this workshop						
8. Suggestions for improvement						

Date: 9.03.2021

Place: Virudhunagar

K. Priya dharshini
Signature

Memorandum of Understanding

Between

Pupilfirst Private Limited

And

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY

I. INTRODUCTION

This Memorandum of Understanding ("MOU") is made at **Kamaraj College of Engineering and Technology, K. Vellakulam 625701**, on this 9th day of August 2021.

Between

Pupilfirst Private Limited, bearing CIN U74999KL2017PTC069556, a company incorporated under the Companies Act, 2013 and having its office at International Center for Free and Open Source Software (ICFOSS), Swatantra, Karyavattom, Thiruvananthapuram, Kerala, India — 695581 hereinafter referred to as "Pupilfirst" of the FIRST PART

AND

Kamaraj College of Engineering and Technology having its address at **SPGC Nagar, K. Vellakulam 625701, Tamilnadu** hereinafter referred to as the "Institute" of the SECOND PART

Pupilfirst and Institute shall hereinafter be collectively referred to as the "Parties" and individually as the "Party".

WHEREAS

- A. Ministry of Education, Government of India has announced a new Public-Private Partnership Scheme called the **National Educational Alliance for Technology (NEAT)** to bring technology-enabled teaching-learning for better learning outcomes for students. ("NEAT Scheme").
- B. The NEAT Scheme's objective is to make learning more personalized as per the requirements of the learner and thus requires development of technologies in Adaptive Learning to address the diversity of learners. Recognizing that educating the youth is a national effort; Ministry of Education has created a National Technology Alliance with organizations having proven educational technology solutions through a PPP model.

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- C. AICTE would be the implementing agency for the NEAT Scheme and shall ensure that the solutions are freely available to a large number of economically backward students by giving 25% of the seats to socially and economically backward students.
- D. Pupilfirst, a pioneering educational technology organization that has a mission to create tools that can enable teachers to transform classroom education to a learner centered model and achieve near 100% learning outcomes, has been selected by AICTE to be brought under the NEAT Scheme. AICTE and Pupilfirst have accordingly executed a Memorandum of Understanding (hereinafter referred to as the “**AICTE-Pupilfirst MOU**”) in relation to various courses to be implemented in different stages under the NEAT Scheme including the courses identified by AICTE as NEAT2020477_PROD_4, NEAT2020477_PROD_10 and NEAT2020477_PROD_15 (which is described in **Schedule 2** of this MOU and hereinafter referred to as the “**Courses**”).
- E. Pursuant to the execution of the AICTE-Pupilfirst MOU, AICTE has launched the ‘**Leadership in Teaching Excellence**’ program (the “**LITE Program**”), as a national program to select and equip 100 institutions (50 higher educational institutions and 50 CBSE schools) with leadership in teaching excellence. Through the LITE Program, AICTE envisions training 50 Computer Science Faculty to introduce modern pupil centered pedagogy, competency based curriculums, continuous and adaptive learning assessments and continuous professional development of faculty at their respective institutions with support from the leadership of the said institutions.
- F. Over the next few years, AICTE intends to bring modern computer engineering knowledge to 24 million children, starting with schools. In accordance with National Educational Policy 2020 (“**NEP 2020**”), AICTE aims to create new pathways for direct admissions for the top school students from these programs to higher educational institutions who are part of the LITE Program. This shall enable LITE institutions to have access to a pipeline of higher quality of admissions and thereby enable students to move beyond highly paying employment opportunities into more challenging domains of entrepreneurship and research at the institutions themselves.
- G. Based on the application received from the Institute and its satisfactory fulfillment of the required criteria for selection, AICTE has selected the Institute to participate in the LITE Program.
- H. The Parties are now entering into this MOU to set out the proposed collaboration between the Parties with regard to the LITE Program and their respective rights, responsibilities and obligations in relation to implementation of the Courses in the Institute.

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NOW, THEREFORE, THIS MOU WITNESSETH AS FOLLOWS:

1.0 Details of the Courses and Continuous Professional Development of Faculty

- 1.1 The Courses (including the Web Development 101, Web Development 201 and Web Development 301) for a total of 13 credits will be offered at the Institute to a minimum of 20 students for Academic Year 2021-22 either as Electives which can be credited towards the student's existing Major Degree or as a 20 Credit Minor Degree when combined with an 7-credit Minor Project or industry internship. The dates for commencement of the Courses at various institutions and universities shall be finalized by AICTE in consultation with the Institute based on the number of institutions and universities that have enrolled for the LITE Program. The date for commencement of the Courses at the Institute shall be intimated to the Institute by Pupilfirst vide a letter with a copy to AICTE issued in the format as set out in Schedule 3 and addressed to the Institute's Principal Coordinator within 30 (thirty) days from signing of this MOU. The Institute shall be required to countersign and return the said letter (with a copy to AICTE) as confirmation of the commencement date within 7 (seven) days from the receipt thereof, failing which AICTE reserves the right to cancel the Institute's participation in the LITE Program.
- 1.2 As a first step, the selected faculty member(s) of the Institute shall undergo the industry-led training required for teaching/imparting the Courses to the students with the help of Pupilfirst and AICTE.
- 1.3 Continuous professional development of faculty shall start from the date indicated in the letter referred to in Clause 1.1 above. Faculty member(s) of the Institute, who have successfully undergone basic orientation and training in creating a classroom experience with pupil centered pedagogy by using competency based curriculums and measuring progress through continuous assessments, shall start teaching the students who have elected to do the said Courses with the assistance and input from Pupilfirst as set out in more detail below.

2.0 Joint Responsibility of the Parties

- 2.1 Both the Parties shall announce a coordinator ("**Principal Coordinator**") for the execution of the MOU who shall be the primary point of contact of the said Party vis-à-vis its obligations and duties for the other Party in connection with the implementation of the LITE Program and the Courses in the Institute.
- 2.2 The Parties acknowledge that as per the AICTE-Pupilfirst MOU, the courses offered by an ed-tech company at institutions shall be offered to students on a voluntary basis and accordingly Pupilfirst and the Institute undertake not to make it compulsory for the students of the Institute to enroll for a particular Course or force students to take a paid Course.
- 2.3 The New Education Policy 2020 suggests the formation of the National Educational Technology Forum ("**NETF**") to provide a platform for the free exchange of ideas on the use of technology to enhance learning, assessment, planning, and administration. Through the technology forum, the policy envisages that technological advancements will be integrated into all levels of education to improve the classroom process,

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support teachers' professional development, and enhance educational access for disadvantaged groups.

- 2.4 Institute and Pupilfirst shall provide AICTE student learning outcomes with a special focus on technology transformation for creating personalized learning environments at academic institutions using dynamically updated competency based curricula, adaptive and continuous assessments and development of faculty as inputs for designing policies to achieve NEP 2020 policy goals.

3.0 Roles and Responsibilities of Pupilfirst

- 3.1 Industry Coaches: Industry experts who are appointed as Coaches shall be available throughout the duration of the Courses for supporting academic faculty to aim for nearly all students achieving course-learning outcomes.
- 3.2 Pupil-Centered Pedagogy Platform: Provide open-source pupil centered pedagogy platform for student-faculty interaction in relation to the Courses for the duration of the Courses. The term "**Platform**" shall mean the web application hosted by Pupilfirst accessible at www.pupilfirst.school to which enrolled students and faculty of the Courses can sign in.
- 3.3 Competency Based Digital Curriculum: Create and periodically update open-source digital curriculum for the Courses which shall include but not be limited to any and all content, media, displays, graphics, photographs, footage, designs, exhibits, data, reports, or information included as part of the Courses (hereinafter referred to as the "**Curriculum**") as is required for a Minor Degree in Web Development and ensure dynamic updating of the Curriculum to keep pace with fast evolution of the world wide web.
- 3.4 On-boarding Teaching Assistants (TAs): Encourage peer learning by on-boarding TAs (Students who have already completed the Courses) and facilitate learning for subsequent batches;
- 3.5 Providing information on setting up of lab facilities: When required, to provide a list of equipment required for the Courses that will be set-up at the Institute's cost and expense.
- 3.6 Support in Identifying & Integrating Faculty Coordinators: This involves selecting only interested faculty members who have an aptitude to receive training in pupil centered pedagogy, competency based curricula and continuous personalized assessments techniques for curriculum delivery to students.
- 3.7 Conducting Awareness Workshop: Conducting jointly with the Institute or independently online awareness workshops to introduce the Courses and Curriculum to students and explain the potential of the emerging software programming paradigms such as web development using typed functional programming and the

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opportunities that the knowledge and skills gained while undergoing the Minor Degree in Web Development can bring to empower them, create employability and generally improve their career prospects globally in the present knowledge economy.

3.8 Delivering the Course & Ensuring Engagement:

- (i) Assisting the Coach (Industry Expert) in reviewing the relevant faculty/student submissions at the appropriate time and in answering queries on Discord and Community;
- (ii) Assisting the TAs in reviewing milestone submissions of the students and in answering queries on Discord and Community;
- (i) Bringing onboard the faculty coordinators who have completed the course themselves to review milestone submissions of the students in the course;
- (iii) Monitoring the learning and progress of the students along with faculty and AICTE Faculty and Student Development Cells;
- (iv) Conducting timely review calls on progression/status of the Courses between the respective Coaches and faculty coordinator/TAs;
- (v) Conducting Ask me Anything Session by other Industry experts to show real software applications created using the technologies covered under the Curriculum;
- (vi) Periodically communicating with AICTE on the progress of individual faculty and students and progress of LITE Program as a whole;
- (vii) Gather feedback on student submissions at set intervals in order to gain insights on how to create a continuous personalized learning process while ensuring the quality of the projects/products developed/submitted by the students; and
- (viii) Provide faculty with evaluation rubrics and tools for continuous internal assessments and industry experts in software development for giving external marks as per academic requirements and consolidate and share the marks with the Institute at the end of the Courses.

4.0 Roles and Responsibilities of the Institute

4.1 The Institute shall support its nominated faculty member to undergo the faculty training in order to effectively learn the techniques of pupil centered pedagogy, competency based curricula and continuous assessments to achieve learning outcomes for nearly all members of the class. The faculty members so selected will undergo the teacher training in each of the Courses over a period of time. The Institute and its leadership all of whom shall be recognized by AICTE as its Brand Ambassador of Change, are as set out in **Schedule 1**. Faculty members of the Institute who successfully complete the training shall also be nationally recognized by AICTE and given priority to various research and faculty development programs.

4.2 One faculty member nominated by the Institute shall also be the Faculty Co-coordinator who shall (i) liaison between Pupilfirst, students and the industry coach selected for the Courses (ii) facilitate communication to/from students, (iii) monitor the grievances raised by the students/learners and (iv) communicate consent and feedback received from the students with AICTE;

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4.3 The Institute shall share the requisite information and learning progress updates from time to time and ensure evidence based insights become inputs for continuous improvement of the teaching-learning process that can result in leadership in teaching excellence over a sustained period of time.

4.4 The Institute understands and acknowledges that while it may make it compulsory for all their students to take a particular Course for empowering them to acquire additional skills and create better employability, in such instances, the Institute shall not collect any fee from the Students in any manner towards the Course fee. If any Course is made mandatory for students, the Institute undertakes to bear all the cost of the said Course fee from their own resources. Circular or other modes of communication addressed to the Students/learners for transmission of the above information to the Students will be submitted to the AICTE by the Institute. However, such Courses cannot be complete outsourcing of a program, but add-on courses for better employability.

4.5 The Institute shall undertake to submit to AICTE, the receipt for purchase of Course(s) from Pupilfirst. Institute further undertakes to provide to AICTE, the details of the students enrolled in a particular Course in the specified format provided.

5.0 Commencement, Duration, Amendment and Termination of MOU

5.1 The MOU shall come in force from the date it is signed by the Parties until and unless any specific date is communicated.

5.2 The MOU shall be in force initially for a period of 2 (two) years or till completion of the first batch of the Courses at the Institute whichever is later, renewable for a further period that is mutually decided by the Parties.

5.3 Any modification or alterations to the MOU shall be first mutually discussed by the Principal Coordinators of the Parties and agreed in writing to become the supplement MOUs.

5.4 In the event either Party wishes to terminate the MOU, it shall do so with prior notice in writing of 30 (thirty) days to the other Parties. In the event AICTE or Pupilfirst terminate the AICTE-Pupilfirst MOU, by default, this MOU will automatically stand terminated at the Institute level too. If the MOU is terminated at the Institute level the detailed information should be shared to AICTE for necessary action.

5.5 Upon termination of the MOU, any Course that commenced prior to the date of termination and which is ongoing shall be completed and approved fees as applicable paid to Pupilfirst in connection therewith.

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5.6

6.0 NEAT Course Fee

- 6.1 AICTE has approved NEAT Courses for students and the Institute shall pay the approved course fee to Pupilfirst of such amount and in such manner as set out in **Schedule 2** of this MOU (“NEAT Course Fee”) and Clause 6.2 below.
- 6.2 Pupilfirst shall raise invoices on the Institute for the NEAT Course Fees as set out in Schedule 2 and the Institute shall pay invoices issued in accordance with these terms within 30 (thirty) days of receipt of invoice. Any delay in making payment on undisputed invoices within the required time period as stated above shall attract interest calculated at the rate of SBI’s Benchmark prime lending rate per month.

7.0 Dispute Resolution

- 7.1 In case of any dispute between the Parties, the dispute shall be amicably resolved in a meeting of the 2 Principle Coordinators. However, if such an effort fails it shall be referred to the NEAT Apex Committee. If a dispute is not resolved amicably, then it will be resolved through arbitration.
- 7.2 The arbitration proceedings shall be as per the provisions contained in the Arbitration and Conciliation Act, 1996 (as amended from time to time and in force when the reference is made). The venue of the arbitration proceedings shall be at a neutral location, and the proceedings shall be in English language. If any dispute still remains unresolved, the same shall be adjudicated by the Court of law at New Delhi.

8.0 Force Majeure

If at any time, during the continuance of this MOU, the performance in whole or in part, by either Party, of any obligation under this is prevented or delayed, by reason of war, or hostility, acts of the public enemy, civic commotion, sabotage, Act of State or direction from Statutory Authority, explosion, pandemic, epidemic, quarantine restriction, strikes and lockouts, fire, floods, natural calamities or any act of GOD (hereinafter referred to as EVENT), and provided notice of happenings of any such EVENT is given by the affected Party to the others, within 21 (twenty one) calendar days from the date of occurrence thereof, no Party shall, by reason of such event, be entitled to terminate the MOU, nor shall any Party have any such claims for damages against the other, in respect of such non-performance or delay in performance. Provided each of the Party’s obligations and rights hereunder shall be resumed as soon as practicable after such EVENT comes to an end or ceases to exist.

9.0 Intellectual Property Rights

- 9.1 The Parties shall use the name, logo, or any other intellectual property rights of the other Party only with prior written or email consent of the Principal Coordinators of each Party.

France

9.2 Where required for co-branding purposes, prior consent shall be obtained from the concerned Party for use of its name; logo or such other intellectual property rights as may be required in connection with the LITE Program.

9.3 The Curriculum is available under a Creative Commons Attribution-ShareAlike 4.0 International License. <https://creativecommons.org/licenses/by-sa/4.0/>.

9.4 Pupilfirst technology is open-source and all client-side JavaScript is licensed under the "MIT" License. The source code and License details at <https://github.com/pupilfirst/pupilfirst/blob/master/LICENSE>. Pupilfirst grants to the Institute, a limited, revocable license to the Platform for use by its staff, faculty members and other staff participating in the implementation of the LITE Program and the delivery of Courses to the students and for the use of students who are on-boarded for availing the Courses. The said license is limited to the duration of the delivery of the Courses and shall be used solely in connection with the implementation of the LITE Program and delivery of the Courses and for no other purpose. All intellectual property rights in and to the Platform is solely and exclusively owned by Pupilfirst and neither the Institute nor any of their employees, consultants, students, teachers etc. who have access to the Platform during the duration of the delivery of the Courses or in connection with the implementation of the LITE Program, shall have any rights to the Platform or have access to the same after the completion of the Courses/completion of the LITE Program implementation as the case may be. It is however clarified that intellectual property rights in any project/product developed by a faculty member or student shall belong solely to the said student/faculty member and Pupilfirst shall not have any rights to the said intellectual property rights.

9.5 Pupilfirst reserves the right to cancel forthwith the license granted to access the Platform to the Institute and/or any of its employees, consultants, students, teachers etc. if it believes that any of the said persons are using the Platform in violation of the terms under which the license to the same is being granted hereunder (including but not limited to those set out in this MOU or such other terms as may be notified by AICTE or Pupilfirst from time to time).

10. Exclusive Curriculum for AICTE affiliated Institutions

AICTE affiliated institutions and other educational institutions under the LITE program shall have exclusive access to the Dynamic NEAT Curriculums. This MOU is a non-exclusive collaboration for Institute and Pupilfirst and doesn't restrict either Party from collaborating with other persons/entities to offer course/programs similar to the Courses/LITE Program anywhere.

11. Severability

If any provision of this MOU is or becomes invalid, illegal or unenforceable under the laws of any jurisdiction, then such provisions shall (so far as it is invalid or unenforceable) be given no effect and shall be deemed to be not included in this MOU but without invalidating any of the remaining provisions of this MOU, which shall not in any way be affected or impaired. The Parties hereto shall then use all reasonable endeavors to replace the invalid or unenforceable provision with a valid and enforceable and mutually satisfactory substitute provision, achieving as nearly as possible the

intended commercial effect of the invalid, illegal or unenforceable provision.

12. Liability

Each of the Parties shall defend, indemnify and hold the other Parties harmless from and against any claim, liability, loss or expenses (including reasonable Attorney's fees) arising out of or resulting from the breach of the provisions of this MOU. The liability on a Party for indemnification of the other(s) in case of any loss suffered by breach of the provisions of this MOU shall arise only if so determined by a court of law having jurisdiction or if so awarded by a sole arbitrator or arbitration panel appointed under Clause 7 of this Agreement.

13. Waivers and Remedies

No failure or delay by the Parties in exercising any right to remedy provided by law under or pursuant to this MOU shall impair such right or remedy or operate or be construed as a waiver or variation of it or preclude its exercise at any subsequent time and no single or partial exercise of any such right or remedy shall preclude any other or further exercise of it or the exercise of any other right or remedy.

14. Costs and Expenses

Each of the Parties shall bear its own legal costs, disbursements charges and expenses incurred in and about the negotiation, preparation and execution of this MOU and any other document executed in connection with this MOU.

15. Entire Agreement and Residuary Matters

This MOU read together with the schedules herein and AICTE-Pupilfirst MOU constitutes the entire agreement among the Parties relating to the subject matter hereof. In this regard it is expressly understood by and between the Parties hereto that all the terms and conditions of the AICTE-Pupilfirst MOU are by default applicable to the Parties hereto. Any matter not covered specifically in this MOU or any other additional matter (including any additional programs/courses that the Parties may decide to undertake in future) may be settled by mutual written agreement between the Parties.

16. Notices

The Parties agrees that any notices that are required to be given under this MOU shall be given in writing, sent by registered post, return receipt requested, to the principal place of business/addresses of the Parties as set forth hereinabove or to the email ids of the Parties as set out below:

Email id of Pupilfirst: wd@pupilfirst.org

Email id of Institute: principal@kamarajengg.edu.in

The Email id of AICTE for forwarding the copies of any communications exchanged between the Parties where required is: director.fdc@aicte-india.org

Anne

Accepted and Agreed:

For Pupilfirst	For Institute
Name: Sanjay Vijayakumar	Name: Dr. Anant Achary
Title: Director	Title: Principal
Date: August 15, 2021	Date: 09.08.2021
Witness: Suma Sundararajan, Director	Witness: Er. SPGC Srimurugan Chairman



Anant Achary
PRINCIPAL
KAMARAJ College of Engineering and Technology
(Autonomous)
S.P.G.C. Chidambara Nadar - C. Nagammal Campus,
S.P.G.C. Nagar, K. Vellakulam - 625 701,
Near Virudhunagar, Madurai District.



Sanjay Vijayakumar
Director

Schedule 1
Details of Institute Leadership and Faculty Selected

Names and Designations of Institute's Leadership		
Head of Institution	Academic Dean/Head	Faculty
Name: Dr. Anant Achary	Name: Dr. M. Vasanthi	Name 1: Dr. R. Arthy Name 2: Mrs. T. Mahara Jothi
Title: Principal	Title: Dean	Title 1: Assistant Professor Title 2: Assistant Professor

Dr. A. Meenakshi, HoD / CSE is the Principal Coordinator for AICTE LITE program

Schedule 2
Details of the Courses & NEAT Course Fee

Sr. No.	Product NEAT ID	Course Name	AICTE Approved Course Fee Per Student (In Rupees)
1.	NEAT2020477_PROD_10	Web Development 101	—
2	NEAT2020477_PROD_4	Web Development 201	10,000
3.	NEAT2020477_PROD_15	Web Development 301	10,000
	Total		20,000

Manner of paying the NEAT Course Fee

Online Bank Transfer of the NEAT Course Fee for each Course shall be paid in 2 equal installments subject to Pupilfirst raising invoices for the same - 50% of the NEAT Course Fees for each Course shall be payable on or prior to the commencement date of the said Course and 50% upon completion of the said Course within 7 (seven) days from the last day of the Course.

Praveen

Schedule 3
Format of Letter of commencement of the Courses at the Institute

[on the letterhead of Pupilfirst]

[insert date]:

To:

[insert name and address of Institute]

Attn: [insert name and designation of Principal Coordinator of the Institute]

Ref: Memorandum of Understanding dated [insert] executed between Pupilfirst Private Limited (Pupilfirst) and [insert name of the Institute] (Institute)

Sub: Intimation of commencement date of the Courses

Dear Sir / Madam,

We are pleased to inform you that in consultation with AICTE, the tentative date for commencement of the Courses at your Institute shall be [insert date] ("**Course Commencement Date**") and the continuous professional development of faculty shall start from [insert] ("**Faculty Training Commencement Date**", which may be varied subject to mutual agreement between the Institute and Pupilfirst.

Kindly confirm your acceptance of the Course Commencement Date and Faculty Training Commencement Date, by countersigning this letter and re-sending the same to us within 7 (seven) days from the date of the letter.

Thanking you.

Yours sincerely,

For Pupilfirst
Name: Suma Sundararajan
Designation: Director

Confirmation of Course Commencement Date

This is to confirm that the Course Commencement Date and Faculty Training Commencement Date as indicated in this letter above, is acceptable to us.

For [insert name of Institute]
Name: [insert]
Designation: [insert]

Suma

Memorandum of Understanding

This MOU is entered into on this day of 16th August 2021, Monday and effective from 16th August 2021.

BETWEEN

Kamaraj College Of Engineering And Technology (Autonomous), K. Vellakulam - 625701 is an educational institution, established in the year 1998. (Hereinafter referred to as "College") and represented by its Secretary, Er. S.P.G.C. Srimurugan hereinafter referred to as the PARTY OF THE FIRST PART.

AND

Aptean India Pvt Ltd, a Private Sector Enterprise incorporated under the Companies Act 1956 and having its registered office at Bangalore (hereinafter referred to as the "Company") represented by its Senior Director - Human Resources, Kiran Punja, hereinafter referred to as the PARTY OF THE SECOND PART.

WHEREAS, THE PARTY of the First Part is an educational institution committed to impart highly innovative and technical knowledge to the urban and unreachable rural student folks through "Total Quality Education".

WHEREAS, THE PARTY of Second Part is an organization engaged in the business inter-alia of providing leading industry-specific software, enterprise resource planning and supply chain solutions uniquely designed to meet the needs of specialized manufacturers and distributors across multiple industries, Aptean's products, services and unmatched expertise help businesses of all sizes to scale and succeed.

WHEREAS, both part of the First Party and the Second Party have come to an understanding to have an planned Industry-Institute Interface, whereby both the organization agree to support each other for imparting technology specific course/training of students, internship and campus recruitment at Aptean as agreed and approved from time to time, thereby making this interface a mutually beneficial one.

The image shows two handwritten signatures in blue ink. The top signature is a cursive scribble that appears to read 'Srimurugan'. The bottom signature is a more legible cursive signature that appears to read 'Kiran Punja'.

NOW, THEREFORE, IT IS HEREBY MUTUALLY AGREED BY AND BETWEEN THE PARTIES AS FOLLOW.

1. **TERM:** This MOU is valid for a period of 3 years from the effective date i.e. from **16th August 2021 to 15th August 2024.**

2. **MUTUAL COMMITMENTS:**

Aptean India & College shall support each other as may be decided between the parties from time to time.

a. To have regular industry-institution interface through visits of Aptean experienced professionals to deliver guest lectures / lectures related to curriculum mutually agreed and approved in the College.

b. Aptean to provide in its facilities, training to identified and shortlisted students for the skill development of students.

c. Aptean to participate in seminars / conferences in college and support students project work etc., as mutually agreed.

d. College will also be providing training to Aptean Technicians and Engineers / executives as identified.

e. College to provide needed infrastructure and Faculty support to Aptean for conducting activities such as screening of students, coordinating with shortlisted students and conducting classes.

f. College to earmark and allocate a Faculty and Student Representative for regular coordination and correspondence. Any change to be immediately informed to Sharath Narayanan(Sharath.narayanan@aptean.com).

g. Aptean and college to both actively participate and frame / suggest upgradation in Course curriculum related to the Credit Course.

3. **CURRICULUM, DURATION AND TRAINERS:**

Curriculum, Duration and Trainers for the Industry Credit Course shall be mutually decided between the parties from time to time after due discussion by the authorized signatures of both the parties.

4. **TERMINATION:**

a. The MOU shall be deemed to have been automatically rescinded after the expiry period of three years, unless renewed for any further periods as per mutually agreed terms at a later stage.

b. Either party shall be entitled to terminate this Agreement at any time by written notice to the other, without assigning any reasons, and in such case, the Agreement will terminate one month from the date of such written notification or date of expiry of the Agreement, whichever



is earlier. In case of such premature termination of the Agreement, all rights and obligations of both parties shall automatically cease, except for those covered by written contracts including on-going collaborative activities that cannot be cancelled.

5. INTELLECTUAL PROPERTY RIGHTS:

The parties acknowledge that nothing in this MOU shall affect ownership of any intellectual property rights. Each party shall retain its own intellectual property rights.

6. CONFIDENTIALLY:

Either party agrees to keep confidential the information shared with each other and not to disclose to any third party unless so warranted and in line with the project requirement and expectation. This clause excludes information available in public domain. The confidentially provisions of this MOU shall remain in full force and effect during the term of the MOU and 12 months thereafter.

7. NO LEGAL BINDING:

Save in respect of confidentiality, neither Party shall have any liability or legal binding to other by virtue of executing this MOU.

8. GOVERNING LAWS:

This MOU shall be construed and governed by the Laws of India.

IN WITNESS WHEREOF, the authorized representatives of both parties have hereunto affixed signature on the dates indicated below.

(Signature of Authorized Representative of the party of First Part)

Name : Er. S.P.G.C. Srimurugan

Designation: Secretary

Date: 16th August 2021

(Signature & Witness Name & Address)

Dr. Anant Achary

Principal
KAMARAJ College of Engineering and Technology
(Autonomous)
K. Vellakulam - 625701

Near Virudhunagar, Madurai District.

KIRAN PUNJA N

Digitally signed by KIRAN PUNJA N
Date: 2021.08.20 12:55:51 +05'30'

(Signature of Authorized Representative of the party of Second Part)

Name : Kiran Punja

Designation: Senior Director, Human Resources

Date: 16th August 2021

(Signature & Witness Name & Address)

MEMORANDUM OF UNDERSTANDING (MoU)

BETWEEN



(An Autonomous Institution - AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

S.P.G.Chidambara Nadar - C.Nagammal Campus

S.P.G.C. Nagar, K.Vellakulam - 625 701 (Near VIRUDHUNAGAR).

&

PANTECH E LEARNING, Chennai

FOR

**SKILL DEVELOPMENT, CERTIFIED COURSES, OUTCOME
BASED TRAININGS, PLACEMENT AND RELATED SERVICES**

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter called as 'MOU') is entered into on this on 06/12/2021 by and between

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS), VIRUDHUNAGAR, S.P.G.Chidambara Nadar – C.Nagammal Campus, S.P.G.C.Nagar, K.Vellakullam – 625 701 (Near VIRUDHUNAGAR) represented herein by its **Chairman Thiru.T.J.Jeyakumar, M.B.A.**, (hereinafter referred as 'First Party', the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

AND

PANTECH E LEARNING PVT LTD, II FLOOR, KOTTA SRINIVASIAH CHARITIES BUILDING, THANJAVUR ROAD, NEAR DURAISAMY SUBWAY, T NAGAR, CHENNAI – 600 017 and represented herein by its Director **Mr. SENTHIL KUMAR M. R.**, (hereinafter referred to as "Second Party", company which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

AICTE Internship Registration ID: CORPORATE6123708e0a7221629712526	
Company Name	: Pantech eLearning Pvt Ltd
Company CIN Number	: U80902TN2021PTC141464

(First Party and Second Party are hereinafter jointly referred to as 'Parties' and individually as 'Party') as

WHEREAS:

- A) First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide each of them with enhanced opportunities.
- B) The Parties intent to cooperate and focus their efforts on cooperation within area of Skill Based Training, Education and Research.
- C) Both Parties, being legal entities in themselves desire to sign this MOU for advancing their mutual interests.
- D) Give related information, its branches, and dimensional information about the industry concerned with whom the MoU is sworn.

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

CLAUSE 1 CO- OPERATION

- 1.1 Both Parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations within the **Institution** and its related wings. The Parties shall keep each other informed of potential opportunities and shall share all information that may be relevant to secure additional opportunities for one another.
- 1.2 First Party and Second Party co-operation will facilitate effective utilization of the intellectual capabilities of the faculty of First Party providing significant inputs to them in developing suitable teaching / training systems, keeping in mind the needs of the industry, the Second Party.
- 1.3 The general terms of co-operation shall be governed by this MOU. The Parties shall cooperate with each other and shall, as promptly as is reasonably practical, enter into all relevant agreements, deeds and documents (the 'Definitive Documents') as may be required to give effect to the actions contemplated in terms of this MOU. The term of Definitive Documents shall be mutually decided between the Parties. Along with the Definitive Documents, this MOU shall represent the entire understanding as to the subject matter hereof and shall supersede any prior understanding between the Parties on the subject matter hereof.

CLAUSE 2 SCOPE OF THE MoU

- 2.1 The budding graduates from the institutions could play a key role in technological up-gradation, innovation and competitiveness of an industry. Both parties believe that close co-operation between the two would be of main importance to the community to enhance their skills and knowledge.
- 2.2 **Curriculum Design:** First & Second Party will share valuable inputs to the in teaching / training methodology and suitably customize the curriculum so that the students fit into the industrial scenario meaningfully.
- 2.3 **Skill Development Trainings:** Industry and Institution interaction will give an insight in to the latest developments / requirements of the industries; the Second Party to permit the Faculty and Students of the First Party to visit its group companies and also involve in Industrial Training Programs for the First Party. The industrial training and exposure provided to students and faculty through this association will build confidence and prepare the students to have a smooth transition from academic to working career. The Second Party will provide its Labs / Workshops / Industrial Sites for the hands-on training of the learners enrolled with the First Party.

- 2.4 **Value Added Programs:** Second Party to train the students of First Party on the emerging technologies in order to bridge the skill gap and make them industry ready. Both Parties have agreed to carry out the joint research activities in the fields of AI, ML, Data Science, Block Chain, Embedded Systems, IoT, VLSI, Electric Vehicle, Renewable Energy, Software Domains and any technology domains that the Second Party has expertise through
- 2.5 **Research and Development:** Both Parties have agreed to carry out the joint research activities in the above fields
- 2.6 **Guest Lectures & Faculty Development Programs:** Second Party to extend the necessary support to deliver guest lectures and coordinate Faculty Development Programs to the Staffs and student community, who have / will enroll with the First Party on the technology trends and in house requirements.
- 2.7 **Placement of Trained Students:** Second Party will actively engage to help the delivery of the training and placement of students into internships / jobs.
- 2.8 **Internship:** Second Party will engage and train the students as per the industrial demands in terms on Internship Programs
- 2.9 **Projects and Research Work:** Second Party will provide the necessary support to the student's community to complete their projects and the research works.
- 3.0 Both Parties to obtain all internal approvals, consents, permissions, and licenses of whatsoever nature required for offering the Programmes on the terms specified herein

CLAUSE 3 INTELLECTUAL PROPERTY

- 3.1 Nothing contained in this MOU shall, by express grant, implication, Estoppel or otherwise, create in either Party any right, title, interest, or license in or to the intellectual property (including but not limited to know-how, inventions, patents, copy rights and designs) of the other Party.

CLAUSE 4 VALIDITY

- 4.1 This Agreement will be valid for a period of 2 years until it is expressly terminated by either Party on mutually agreed terms, during which period, either parties, as the case may be, will take effective steps for implementation of this MOU. Any act on the part of either parties after termination of this Agreement by way of communication, correspondence etc., shall not be construed as an extension of this MOU
- 4.2 Both Parties may terminate this MOU upon 60 calendar days' notice in writing. In the event of Termination, both parties have to discharge their obligations

Any divergence or difference derived from the interpretation or application of the MoU shall be resolved by arbitration between the parties as per the Arbitration Act, 1996. The place of the arbitration shall be at District Head Quarters of the First Party. This undertaking is to be construed in accordance with Indian Law with exclusive jurisdictions

AGREED:

For **Kamaraj College of Engineering and Technology**

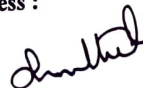
For **Pantech E Learning**

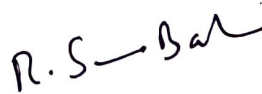

Authorized Signatory


Authorized Signatory

KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)	PANTECH EARNING PVT LTD
S.P.G.CHIDAMBARA NADAR – C.NAGAMMAL CAMPUS, S.P.G.C.NAGAR, K.VELLAKULLAM – 625 701 (NEAR VIRUDHUNAGAR)	II FLOOR, KOTTA SRINIVASIAH CHARITIES BUILDING, THANJAVUR ROAD, NEAR DURAISAMY SUBWAY, T NAGAR, CHENNAI – 6000 017
Thiru.T.J.JEYAKUMAR, M.B.A., CHAIRMAN, KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)	Mr. SETHILKUMAR M. R DIRECTOR – PANTECH EARNING
mail@kamarajengg.edu.in	senthilkumar.mr@pantechmail.com
www.kamarajengg.edu.in	www.pantechlearning.com


Witness :

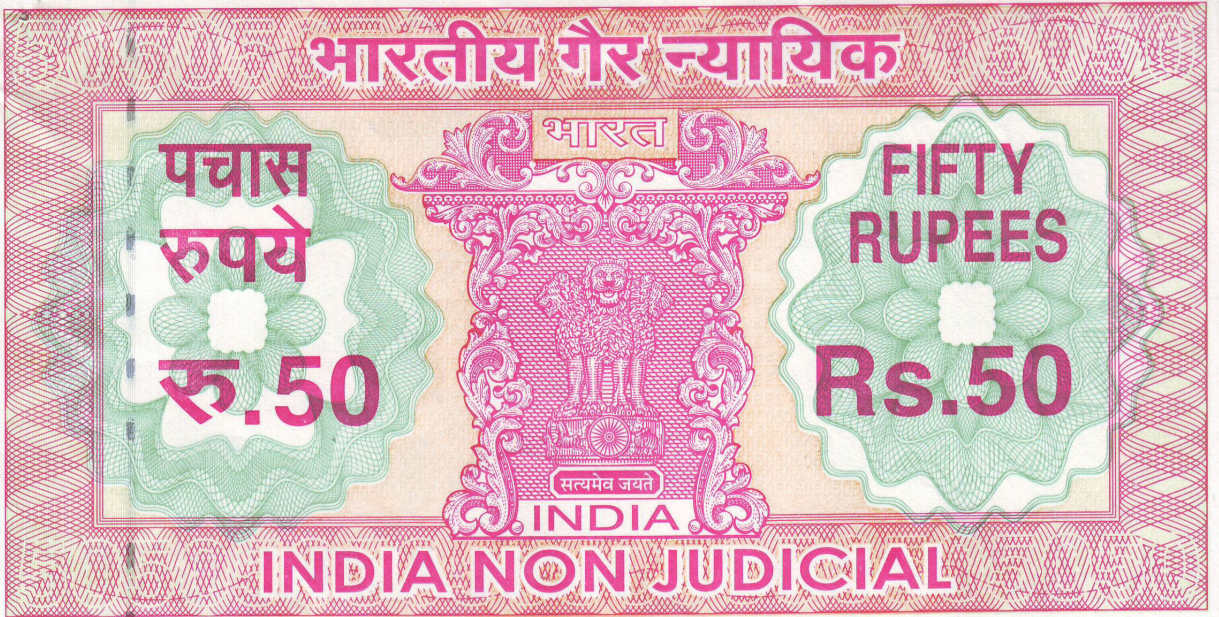
- 
1. PRINCIPAL (i/c)
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

- 
2. DEAN (ACADEMIC COURSES)
KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS)

Witness :

- 
1. Mr. Malaiyappan M
Director

- 
2. Mr. Srinivasan N
Director



தமிழ்நாடு தமில்நாடு TAMILNADU

AZ 736768

28 NOV 2019

KAMARAJ COLLEGE OF
Engineering & Technology
Virudhunagar

சீ.ஏ. சீவசங்கர்
ஸ்டாம்ப் வெண்டர்
விருதுநகர் (த.நா.)
பி: 476/பி/அ1 10-4-04

The Agreement is executed on this 09th day of December month, 2019 (Effective Date) by and between:

Siemens Centre of Excellence in Manufacturing hereinafter called the "Siemens CoE 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

Kamaraj College of Engineering and Technology hereinafter called the "KCET" (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;

Siemens CoE, NITT Page 1 of 5 Kamaraj College of Engineering & Technology



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. Siemens CoE established in 2018 at NIT, Trichy premises with 90% investment from Siemens and 10% investment from 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 Siemens CoE 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. Siemens CoE 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.

4. Vision - Siemens CoE

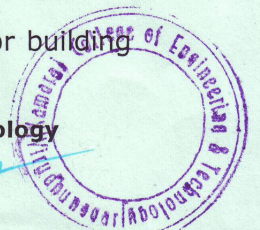
- a. To provide skill excellence through Training, R&D and Consultancy for robust Industry relevant technical education eco-system.

5. Mission - Siemens CoE

- 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 uplift
- d. To strategically align with Institute's Vision and Mission for building the brand image of NITT

dl. J...

Shim...



6. Details of Kamaraj College of Engineering and Technology

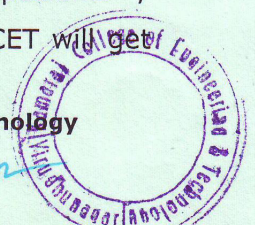
Kamaraj College of Engineering and Technology was established in the year 1998 by a group of philanthropists, at Virudhunagar, in Tamilnadu and offers Total Quality Education over a decade. The college is approved by AICTE, New Delhi and affiliated to Anna University, Chennai. Kamaraj College of Engineering and Technology provides Engineering and Technology education in 10 UG Programmes, 6 PG Programmes and 7 departments are recognized as Centre for Research to carry out collaborative research by Anna University, Chennai. KCET is accredited by NAAC with 'A' Grade CGPA of 3.03. University Grant Commission (UGC) granted Autonomous Status to KCET for a period of ten years with effect from 2019-2020 to 2028-2029.

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

1. Siemens CoE offers various skill development courses across different disciplines. KCET 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. Siemens CoE offers the resources for student projects on chargeable basis. It is the responsibility of the faculty mentor from KCET to monitor the progress. The CoE shall not offer any certification for such usage but shall provide an attendance certificate.
4. Siemens CoE offers Internships to students. The CoE can accommodate a reasonable number of students depending on the demand.
5. The faculty of KCET shall submit funding/consultancy proposals quoting the Siemens CoE resources. In such cases, a NITT faculty will be the Co-PI and budgeting need to be arrived through mutual discussion before submission.
6. Siemens CoE periodically conducts workshops / symposiums / conferences etc.. For such events, any participant from KCET will get 25% discount on the Registration fee.

M. Dhanu

Shrinivas

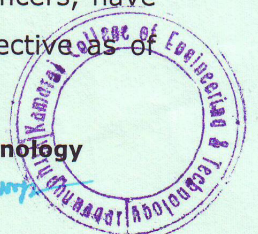
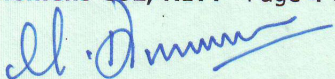


7. KCET shall organize events such as workshops / symposiums / conferences jointly with Siemens CoE. In such cases, the financial implications need to be discussed and to be approved by competent authorities before the event.
8. Siemens CoE will not be responsible for safety of the students outside the NITT premises. KCET should instruct their students clearly on the safety and precautionary measures.
9. Siemens CoE will not be responsible for loss/theft or damage of any of the student's belongings. KCET 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 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 three years 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 three years.
17. This is a non-exclusive MoU.

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.-Ing. M. Duraiselvam, Head, Siemens CoE, National Institute of Technology, Tiruchirappalli, in the presence of Dr. M. Umapathy, Dean (Research and Consultancy), National Institute of Technology, Tiruchirappalli.

For and on behalf of Siemens CoE

Name: Dr.-Ing. M. Duraiselvam

Head, Siemens CoE

NIT Tiruchirappalli

For and on behalf of Kamaraj College of Engineering and Technology

Name : Er.S.P.G.C.Srimurugan,

B.E., M.Sc., (Engg.), (Manchester)

Designation: Chairman

Kamaraj College of Engineering and Technology, K.Vellakulam, Madurai.

In presence of

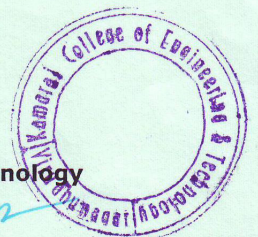
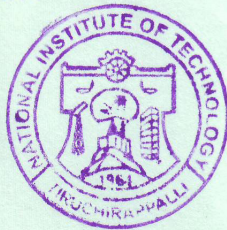
1. Dr. M. Umapathy
Dean (Research and Consultancy)

In presence of

1. Dr.Anant Achary, Ph.D.
Principal,
Kamaraj College of Engineering and Technology, K.Vellakulam, Madurai.

2. Lab Coordinator
Siemens CoE, NITT

2. Dr.S.Senthil, Ph.D.
Professor & Head,
Department of Mechanical Engineering,
Kamaraj College of Engineering and Technology, K.Vellakulam, Madurai.





MEMORANDUM OF UNDERSTANDING

Between

National Highways Authority of India (NHAI)

AND

Kamaraj College of Engineering & Technology, Kalligudi

**Collaboration with Institute for Institutional social
Responsibility & Adopting of National Highway
Stretches under Regional Office, Madurai**

26th August, 2020



MEMORANDAM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter referred to as "MoU") entered into on this 26th day of August by and between:

National Highways Authority of India (NHAI) which expression shall, unless repugnant to the context or meaning thereof be deemed to mean and include its successors and permitted assigns), of the First party,

AND

Kamaraj College of Engineering & Technology, Kalligudi (hereinafter called **KCET Kalligudi** which the expression shall unless repugnant to the context or meaning thereof be deemed to mean and include its successors and permitted assigns) of the second party.

WHEREAS,

Both **KCET Kalligudi** and **NHAI** are desirous of working together with mutual cooperation for dissemination of respective expertise in civil/highway engineering field through the road infrastructure development.

NOW, THEREFORE, IT IS HEREBY AGREED BY THE PARTIES AS FOLLOWS:

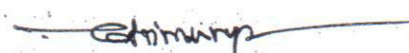
1. INTENT:

National Highways Authority of India (NHAI) intends to associate the KCET Kalligudi who shall voluntarily contribute its share of experience for betterment of the highway infrastructure.

2. SCOPE OF THE MoU

The primary scope of MoU inter alia includes the following:

- (i) NHAI shall facilitate the faculty, researchers and students of the institute to familiarize with the latest trends in the highway/transportation sector with a common objective of sharing the knowledge in their respective domain. This will, in one hand, facilitate to bridge the industry-institution gap and familiarize students with the latest trends in industry and on the other hand the research output could be suitably adopted in practice by NHAI.
- (ii) The Institute shall adopt nearby stretches of NHs as specified in the **Appendix-1** as a voluntary initiative under ambit of Institutional Social Responsibility (ISR). The list of stretches may be modified by deletion/addition by mutual consent of NHAI and the Technical Institute.


SECRETARY
KAMARAJ COLLEGE OF ENGINEERING &
TECHNOLOGY MANAGING BOARD
VIRUDHUNAGAR.






- (iii) The adopted stretch may be used as a field of study for faculty, researchers and students.
- (iv) NHAI shall offer internship to 20 number of undergraduate/postgraduate students of the Institute periodically and also extend stipend
- (v) NHAI shall pay stipend @Rs.8000 (Rupees Eight Thousand only) per month for undergraduate students and @ Rs. 15000 (Rupees Fifteen Thousand only) per month to postgraduate students. All other arrangements including stay shall be responsibility of the institute. However, depending upon availability, NHAI may extend transportation facility to the interns within the project jurisdiction.

3. Roles And Responsibilities:

The scope of this MOU shall be carried out in a collaborative mode between NHAI and KCET Kalligudi. The Role & Responsibilities of NHAI and KCET Kalligudi in performing the defined objective shall be as follows:

NHAI

- a. NHAI shall provide the list of potential candidate Nation Highways stretches for adopting by the Technical Institute;
- b. NHAI shall facilitate availability of relevant data required with specific reference to the above stretches through its field office/consultant/concessionaire/contractor engaged in the project;
- c. NHAI will nominate an offer as a point of contact for all correspondence in carrying out the defined objective;
- d. NHAI shall facilitate the faculty, researchers and students of the institute to give access to the site of the identified stretch being adopted by the Technical institute, relevant documents for the purpose of activities to be carried by the these intellectuals of the institute:
- e. NHAI through its field office/consultant/concessionaire/contractor engaged in the project, as per reasonable requirement, will disseminate and familiarize the latest trends and know how in highway/transportation sector in general and the identified project in specific to the authorized faculty, researchers and students of the institute:
- f. NHAI may suitably adopt the research output and feedback received from the Technical Institute in practice for qualitative improvement as deemed fit at appropriate stage of implementation.
- g. NHAI may support creation of lab infrastructure in the Institute and can sponsor relevant research project that helps in using alternative resource material and improving quality of roads.
- h. The NH stretch adopted can be co-branded with the associated technical institute by NHAI.


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TECHNOLOGY MANAGING BOARD
VIRUDHUNAGAR.





KCET Kalligudi

- a. The Institute shall adopt stretch(es) of NHs as specified in the **Appendix-1** as a voluntary initiative.
- b. KCET, Kalligudi through its authorized faculty, researchers and students will carry out periodic investigation and suitable suggestions for improving the efficiency of existing highway asset inter alia covering the following aspects:
 - (i) Improvements in safety provision by removing existing deficiencies;
 - (ii) Improvements in continual maintenance of the stretch using new technologies;
 - (iii) Localized solutions for removal of congestion points thereby increasing the average speed of traffic flow;
 - (iv) Improvements in the riding comfort through cost effective measures based on innovative technologies on practices applicable in the area;
 - (v) Viability of new way side amenities for road user based on the existing traffic pattern and user expectations;
 - (vi) Potential solution to old recurring problems based on local experience etc.,
- c. The Institute may also associate with the consultant/NHAI during conceptualization, design and project preparation of new projects and suggest the relevant parameters and innovations based on experience specific to the site climate, topography and resource potential for better socio economic outcome;
- d. KCET, Kalligudi will nominate a coordinator as a point of contact for all correspondence in carrying out the defined objective as well as inform, from time to time.

4. EFFECTIVE DATE AND PERIOD OF MOU

This MoU shall come into effect for all its intents and purpose from the immediate effect and shall remain valid for a period of 5 years from the date of signing unless terminated earlier by mutual consent by either party by giving 60 days' notice in writing to the other party.

For KCET Kalligudi

For NHAI

[Signature]
 26-8-2020
 (Authorized Signatory)
KAMARAJ COLLEGE OF ENGINEERING & TECHNOLOGY
 MANAGING BOARD
 VIRUDHUNAGAR.
 Witness: *[Signature]*
ANANT ARJARY
 PRINCIPAL
KAMARAJ College of Engineering and Technology
 (Autonomous)
 S.P.G. Chidambaram Nadar - C. Nagemmal Campus,
 K. Vellakulam - 625707
 Virudhunagar, Madurai District

[Signature]
 26/08/2020
 DGM (T) & PD
 (Authorized Signatory of India)
 National Highways Authority of India
 Madurai
 Witness: *[Signature]*
 (K.P.S.K. MATHIVANAN)
Manager (T)
NHAI
PIU, Madurai

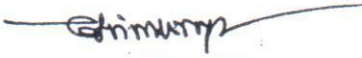


APPENDIX - 1

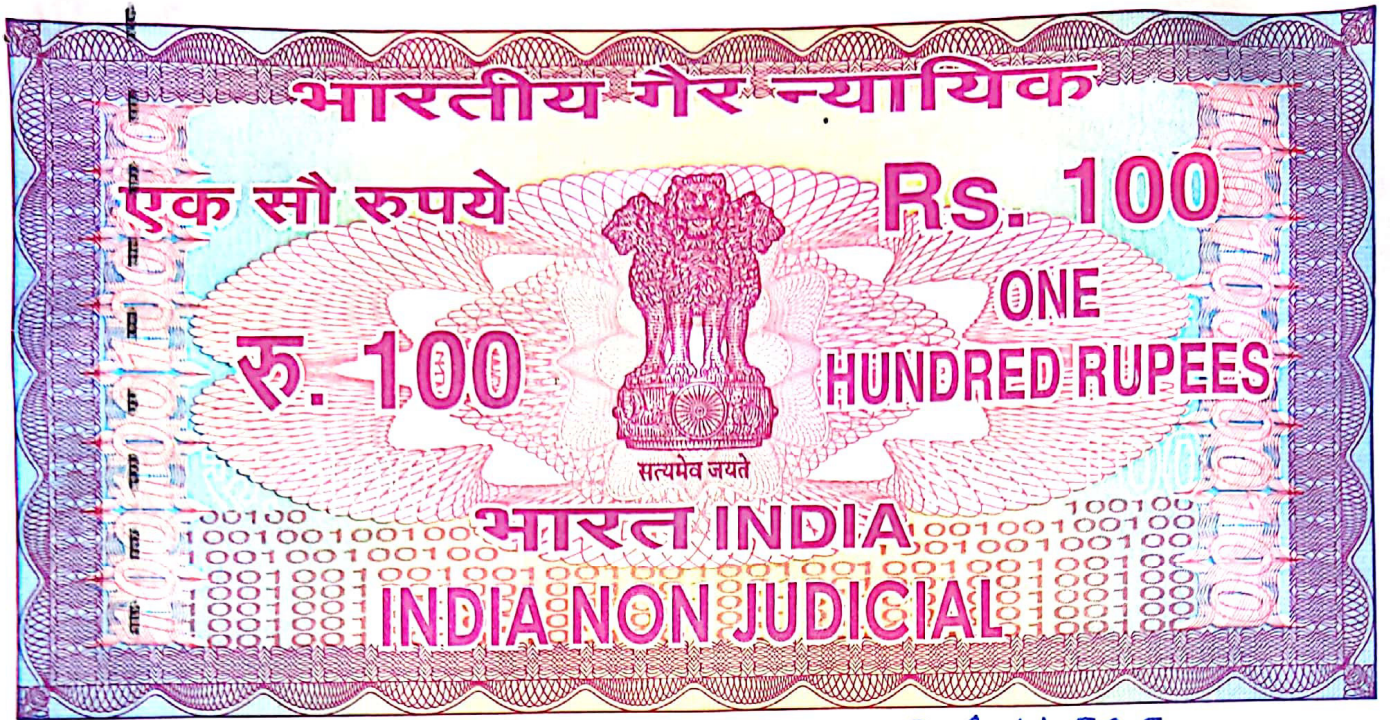
The Institute (KCET) shall adopt the following stretch(es) of NHs as voluntary initiative under the ambit of Institutional Social Responsibility(ISR).

S.No	Details of the stretch (From Chainage to Chainage)	NH No	Length	Stage of implementation (completed/under construction/under maintenance/project preparation)	Remarks
1	Madurai Ring Road section	744A	29.960	Under Implementation	
2	Melur - Karaikudi section	36,338 & 383	45.855	Under Implementation	

Above list of stretches may be modified by deletion/addition by mutual consent of NHAI and KCET Kalligudi.


SECRETARY
KAMARAJ COLLEGE OF ENGINEERING &
TECHNOLOGY MANAGING BOARD
VIRUDHUNAGAR.





தமிழ்நாடு தமிழ்நாடு TAMILNADU KAMARAJ COLLEGE CH 742225

ENGINEERING AND
TECHNOLOGY
VIRUDHUNAGAR

ச.சி. சிவசங்கர்
ஸ்டாம்ப் வெவ்ஸ்டர்
விரகதுநகர் (த.நா.)
நிர் 476/பி/அ1 10-1-2021

29 DEC 2020

AGREEMENT FOR SETTING UP OF Automation Lab at KAMARAJ College of Engineering and Technology.

THIS AGREEMENT IS MADE ON THIS DAY 01/01/2021 at Virudhunagar

Memorandum of understanding between KAMARAJ College of Engineering and Technology (Autonomous), S.P.G.C.Nagar, K.Vellakulam-625 701, Near Virudhunagar, Madurai (District), and SMC Corporation (India) Private Limited., Mahindra City, Kanchipuram Dt., to promote Industry – Institute interaction in academic, training and continuing education.

KAMARAJ College of Engineering and Technology, S.P.G.Chidambara Nadar – C.Nagammal Campus, S.P.G.C. Nagar, K.Vellakulam-625 701, Near Virudhunagar, Madurai (District), and SMC Corporation (India) Private Limited., Mahindra City, Kanchipuram Dt. desire to promote continuing academic education. This Memorandum of Understanding

Cont..2



For SMC CORPORATION (INDIA) PVT. LTD.


Bansh
Authorised Signatory

(MoU) made between KAMARAJ College of Engineering and Technology, S.P.G.C. Nagar,
K.Vellakulam-625 701, Near Virudhunagar, Madurai (District), and SMC Corporation (India)
Private Limited., Mahindra City, Kanchipuram Dt., witness as follows.

Broad Objectives:

1. Joint establishment of Automation Laboratory at KAMARAJ College of Engineering and Technology for creating awareness among engineering community to meet future demand in Automation field in India.
 2. Promoting the knowledge and technical skill of students in Automation.
 3. Industry – Institute interaction for curriculum design.
 4. Value addition to SMC Corporation (India) Private Limited sponsored candidates, offering specialized training programs for specific needs of SMC Corporation (India) Private Limited.
1. **Joint establishment of Automation Laboratory**
 - Both parties agree to establish Automation Laboratory at KAMARAJ College of Engineering and Technology for creating awareness among engineering community to meet future demand in Automation field in India.
 - The Lab will be established in the name of **KAMARAJ - SMC Centre of Excellence** and the dedicated space will be allotted for this Lab.
 - Possible equipments and components of SMC Corporation (India) Private Limited (SMC Corporation (India) Private Limited Make) will be used at Automation Laboratory.
 2. **Promoting the knowledge and technical skill of students in Automation**
 - SMC Corporation (India) Private Limited shall support the KAMARAJ College of Engineering and Technology for developing course modules for automation lab.
 3. **Industry Institute Interaction for curriculum design**
 - SMC Corporation (India) Private Limited will nominate a person/s to participate in the Industry Advisory Board for the regular degree courses in the field of Pneumatics and automation.
 - SMC Corporation (India) Private Limited has the right to change the nominated person/s to participate in the Industries Advisory board during the agreement period.
 4. **Value addition to SMC Corporation (India) Private Limited sponsored candidates**
 - KAMARAJ - SMC Centre of excellence will design and offer specialized training programmes to the candidates sponsored by SMC Corporation (India) Private Limited and also to arrange to conduct International / National conferences on mutually agreed topics.


For SMC CORPORATION (INDIA) PVT. LTD.


Authorised Signatory

Cont..3

I. The KAMARAJ COLLEGE OF ENGINEERING AND TECHNOLOGY SCOPE/Obligations:

The KAMARAJ College of Engineering and Technology undertakes as follows:

- a) To provide recommended space, a minimum of 1200 sq ft carpet area of exclusive, build up covered area for setting up the **KAMARAJ - SMC Centre of Excellence**.
- b) KAMARAJ College of Engineering and Technology and SMC Corporation (India) Private Limited will share the cost of SMC Corporation (India) Private Limited equipment's for setting up the Centre of Excellence in Automation in the ratio of 60% and 40% respectively.
- c) To inform and obtain the prior written approval from SMC Corporation (India) Private Limited for all marketing activities.
- d) Permit SMC Corporation (India) Private Limited to promote SMC Corporation (India) Private Limited Pneumatics Service Concept product seminar to KAMARAJ College of Engineering and Technology students and its Beneficiaries.
- e) Offer value added courses in the recent advances in automation to SMC Corporation (India) Private Limited beneficiaries by giving reservation to sponsored candidates by SMC Corporation (India) Private Limited in admission to regular professional courses as per the regulations of the college.
- f) To maintain at all times the reputation of SMC Corporation (India) Private Limited and the SMC Corporation (India) Private Limited group companies.
- g) To ensure that use of SMC Corporation (India) Private Limited Logo's Trademarks and copyrights are strictly subjected to a written consent of SMC Corporation (India) Private Limited.
- h) Bear all the applicable taxes, duties & government regulations.
- i) Make timely payments to SMC Corporation (India) Private Limited as per the purchase orders.
- j) For optimum utilization of the facilities, KAMARAJ College of Engineering and Technology shall ensure that at least 60 students are trained each year in the **KAMARAJ - SMC Centre of Excellence**.
- k) Conduct of value-added programs.

II. SMC CORPORATION (INDIA) PRIVATE LIMITED SCOPE/OBLIGATIONS

SMC Corporation (India) Private Limited undertakes as follows:

- a) KAMARAJ College of Engineering and Technology and SMC Corporation (India) Private Limited will share the cost of SMC Corporation (India) Private Limited equipment's for setting up the Centre of Excellence in Automation in the ratio of 60% and 40% respectively.
- b) To provide knowledge support for automation related workshop & seminars which has been decided by both the parties mutually before the commencement of workshop or seminar.


For SMC CORPORATION (INDIA) PVT. LTD.


Authorised Signatory

Cont..4

- c) SMC Corporation (India) Private Limited will support by providing expertise for guest lecture, organizing conferences, industry sponsored quiz program in the field of automation.
- d) Support of value-added programs with the Logo of SMC Corporation (India) Private Limited.
- e) SMC Corporation (India) Private Limited shall consider for factory visit of students of KAMARAJ College of Engineering and Technology of Mechanical and Mechatronics in a batch of 30 students, twice in a year at SMC factory.
- f) KAMARAJ College of Engineering and Technology can also train industrial clients as per norms laid by SMC Corporation (India) Private Limited.

III. MODE OF OPERATION

- One member from the KAMARAJ College of Engineering and Technology and another member from the SMC Corporation (India) Private Limited will be designated as the Single Point of Contact (SPOC) for the coordination role for all programs organized as per the agreement.
- The SPOCs shall be responsible for the preparation of the annual plan for approval of the coordination committee.
- The SPOCs shall be responsible for the implementation of the approved plans and promoting interaction between the institutions.

IV. ARBITRATION

Any dispute or differences arising out of interpretations of any of the clauses listed above shall be resolved by mutual consultations and if any arbitration is needed the matter shall be binding on all the parties to this MOU within the limits of Delhi jurisdiction.

V. DURATION, AMENDMENT AND TERMINATION OF THE MoU

- This MoU shall be valid for a period of five years from the date of its signing. The parties are at liberty to renew the agreement for a further period at such terms as may be mutually agreed by the parties.
- During the period of its validity, the MOU can be amended any time by mutual consent of both the parties. The MoU can also be terminated by mutual consent or by either party giving the other a written notice of its desire to terminate the MoU three months in advance.

In witness where of the two parties have signed this memorandum of understanding by the hand of, on behalf of KAMARAJ College of Engineering and Technology and by the hand of on behalf of SMC Corporation (India) Private Limited on date, month and year referred to be.


Cont..5



For SMC CORPORATION (INDIA) PVT. LTD.


Authorised Signatory


SMC Corporation (India) Private Limited,
Mahindra City, Kanchipuram District.

KAMARAJ College of Engineering and Technology,
S.P.G.C. Nagar, K.Vellakulam-625 701,
Near Virudhunagar, Madurai District.

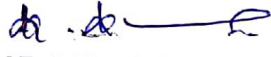
Name : N. Babu 
Designation : Asst. Dir Manager
Place : Chennai
Date : 11/1/21

Name : 
Er. S. P. G. C. Srimurugan, B.E., M.Sc. (Engg.), Manchester
Designation : Secretary
Place : Madurai
Date : 01/01/2021

Name : V. Srinivas Kumar (S)
Designation : Jr. Area Sales Manager
Place : Chennai
Date : 11/1/21

Name : 
Dr. Anant Achary, M.Tech., Ph.D.
Designation : Principal
Place : Madurai
Date : 01/01/2021

Name : S. Prathap Kumar
Designation : Dy. Area Sales Manager
Place : Trichy.
Date : 01/1/21

Name : 
Dr. K. Kannan, M.E., M.E., Ph.D.
Designation : Asso. Prof & Head, Dept. of MTRE
Place : Madurai
Date : 01/01/2021


For SMC CORPORATION (INDIA) PVT. LTD.

Authorised Signatory


For SMC CORPORATION (INDIA) PVT. LTD.

Authorised Signatory