



United Institute of Technology
**INSTITUTION'S
INNOVATION
COUNCIL**



Entrepreneurship
DEVELOPMENT AND INNOVATION INSTITUTE
GOVERNMENT OF TAMIL NADU



UNITED INSTITUTE OF TECHNOLOGY

(Approved by AICTE, NewDelhi and Affiliated to Anna University, Chennai)
Accredited by NAAC



Workshop on
"HARDWARE / SOFTWARE ENGINEERING
FOR SPECIFIC PRODUCT DEVELOPMENTS"

DATE : 26-10-2021

M. Anand
MHRD - IIC Coordinator

[Signature]
EDII Coordinator

[Signature]
Principal



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Periyanaickenpalayam, Coimbatore – 641 020.



ENTREPRENEURSHIP DEVELOPMENT & INNOVATION INSTITUTE & MINISTRY OF HUMAN RESOURCE DEVELOPMENT- INSTITUTE INNOVATION COUNCIL

22nd October, 2021

Submitted to the Principal

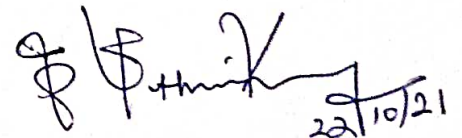
Dear Sir,

Sub: Requesting permission to conduct a workshop on “Hardware/Software Engineering for a Specific Product Development” - reg

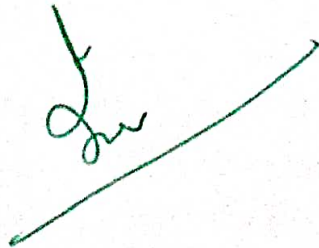
We are planning to conduct a workshop on “Hardware/Software Engineering for a Specific Product Development” in our campus on 26.10.2021 (Tuesday). In this connection, we are seeking your permission to conduct the same.

Thanking you

Yours truly


22/10/21

M. Annas



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Colombatore - 641020

EDII & MHRD-IIC CELL

Cordially invite you for a

Workshop on

**“HARDWARE / SOFTWARE ENGINEERING
FOR SPECIFIC PRODUCT DEVELOPMENTS”**

on 26.10.2021 at 11.00 AM

Shri. SHANMUGAM S M.S.,

CHAIRMAN

UNITED EDUCATIONAL INSTITUTIONS

Presides.

Dr. RAMKUMAR S M.E.,Ph.D.,

PRINCIPAL – UIT

Felicitates.

Dr. KANNAN M M.E.,Ph.D.,

Professor & Head

Science and Humanity Department

Delivers Live Demo

EDII Coordinator

Dr. SATHISH KUMAR P M.E., Ph.D.,

Associate Professor

Department of Mechanical Engineering

Coordinates the event



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Coimbatore 641020

ENTREPRENEURSHIP DEVELOPMENT & INNOVATION INSTITUTE

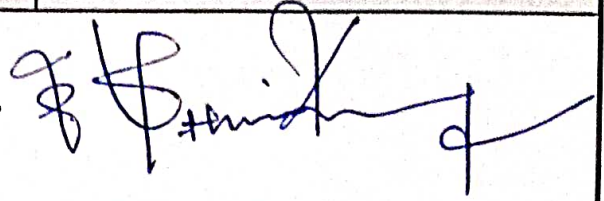
Workshop on "HARDWARE/SOFTWARE ENGINEERING FOR SPECIFIC PRODUCT DEVELOPMENTS"

STUDENTS NAME LIST MECH - R&A (2020-2021)

SI. NO	REGISTER NO.	YEAR OF STUDY	NAME OF THE STUDENT
1	714520125001	II	AMOTHINI S
2	714520125002	II	DEIVAPRAKASH K
3	714520125003	II	DINISH S K
4	714520125004	II	JAYANTH G B
5	714520125005	II	PRADEEP
6	714520125006	II	VIMAL GRACE M
7	714520125301	II	ARUL ARAVINDH S
8	714520125302	II	ARUNKUMAR A
9	714520125303	II	DEEPAK S
10	714520125304	II	DEVARAJAN D
11	714520125305	II	ELANGO S
12	714520125306	II	JASWIN R
13	714520125307	II	JOTHIRAJ S
14	714520125308	II	KARTHI D
15	714520125309	II	LAVEEN KUMAR R
16	714520125311	II	PRASANTH G
17	714520125312	II	RAHUL A
18	714520125313	II	SANJITH S
19	714520125314	II	THANGA BALU R
20	714520125315	II	VASANTH V
21	714520125316	II	DINESH A

22	714519114001	III	ABISHEK C
23	714519114003	III	ASWIN KUMARAN R
24	714519114004	III	CHRISTO BRITTO A
25	714519114005	III	DHANUSH K M
26	714519114006	III	JANARTHANAN V
27	714519114008	III	PRAKAASHKUMAR S
28	714519114302	III	SELVARAJ M
29	714519114303	III	VELMURUGAN C

Signature of the Course Coordinator





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ENTREPRENEURSHIP DEVELOPMENT & INNOVATION INSTITUTE

Workshop on "HARDWARE/SOFTWARE ENGINEERING FOR SPECIFIC PRODUCT DEVELOPMENTS"

STUDENTS NAME LIST CSE - AIDS (2020-2021)

SI. NO	REGISTER NO.	YEAR OF STUDY/DEPARTMENT	NAME OF THE STUDENT
1	714520243001	II (AIDS)	DEENADAYALAN M
2	714520243002	II (AIDS)	DHANYASREE M
3	714520243003	II (AIDS)	GANESH KUMAR S
4	714520243004	II (AIDS)	JANANI S
5	714520243005	II (AIDS)	JUBAIR AHAMED A
6	714520243006	II (AIDS)	LEKHA SREE R
7	714520243007	II (AIDS)	MADHAN G
8	714520243008	II (AIDS)	MADHANA GOPAL B
9	714520243009	II (AIDS)	MEGAVARSHINI P
10	714520243010	II (AIDS)	MITHIRAVARSHINI P
11	714520243011	II (AIDS)	MOHAMAD DANISH M A
12	714520243012	II (AIDS)	NATHISH KUMAR S
13	714520243013	II (AIDS)	PREMKUMAR T
14	714520243014	II (AIDS)	ROSHINI BENAZEER K
15	714520243015	II (AIDS)	SAM ARPUDHA RAJA D
16	714520243016	II (AIDS)	SANDHIYA S
17	714520243017	II (AIDS)	SATHISH KUMAR P
18	714520243018	II (AIDS)	SRI KANTH K P
19	714520243019	II (AIDS)	SRI NIDHI R
20	714520243020	II (AIDS)	UGI R K
21	714520243021	II (AIDS)	VIGNESHWAR K S
22	714520243022	II (AIDS)	VISHNUDEV S
23	714520104001	II(CSE)	AGALYA A
24	714520104002	II(CSE)	AKASH S
25	714520104003	II(CSE)	HRISHIKESH R
26	714520104004	II(CSE)	JESWIN DASS S
27	714520104005	II(CSE)	KANNAN M
28	714520104006	II(CSE)	KAVIYA K
29	714520104007	II(CSE)	KAVYA R S
30	714520104008	II(CSE)	KEERTHANA R
31	714520104009	II(CSE)	LALITH ROSHAN S
32	714520104010	II(CSE)	MALLIGESHWARI J
33	714520104011	II(CSE)	MUKUNDAN N
34	714520104012	II(CSE)	NAVIN B
35	714520104013	II(CSE)	NAVROJ S
36	714520104014	II(CSE)	SANDHYAA
37	714520104015	II(CSE)	SANJAY S
38	714520104016	II(CSE)	SHANDEEP N
39	714520104017	II(CSE)	SIVANESAN M
40	714520104018	II(CSE)	SOWNDHIRIYA SRIG
41	714520104019	II(CSE)	SUBASHREE S K
42	714520104020	II(CSE)	SUSMITHA S

43	714520104021	II(CSE)	SWETHA S
44	714520104022	II(CSE)	THRISHA S
45	714520104023	II(CSE)	VENKATESH AJAYV
46	714520104024	II(CSE)	ABDULAJEESH A
47	714520104025	II(CSE)	ABDUL SUBAN S
48	714520104026	II(CSE)	ARUN P
49	714520104027	II(CSE)	ASUVARTHAN A
50	714520104028	II(CSE)	DHARUNESH K L
51	714520104029	II(CSE)	GOKULNATH R
52	714520104030	II(CSE)	GOKULRAJ T
53	714520104031	II(CSE)	JAVITH AKHTAR M
54	714520104032	II(CSE)	KMALESH S
55	714520104033	II(CSE)	LOGESHWARAN SG
56	714520104034	II(CSE)	MANICKAM M
57	714520104035	II(CSE)	SAKTHIVEL V
58	714519104001	III(CSE)	ABDUL AARIF
59	714519104002	III(CSE)	AKHIL R
60	714519104003	III(CSE)	ANNAM FIRDOS K
61	714519104004	III(CSE)	BHARATHRAJ M
62	714519104005	III(CSE)	DHARANI SRI P
63	714519104006	III(CSE)	DHARSHITH R
64	714519104007	III(CSE)	GAYATHRI S
65	714519104009	III(CSE)	JANHAVI SINGH
66	714519104010	III(CSE)	JEEVANANTHAM R
67	714519104011	III(CSE)	KEERTHANA R
68	714519104012	III(CSE)	KISHORE R
69	714519104013	III(CSE)	LOGESH V
70	714519104016	III(CSE)	NANDHINI S
71	714519104017	III(CSE)	NITHESH A
72	714519104018	III(CSE)	PRATHOSH R P
73	714519104019	III(CSE)	PRAVIN KUMAR M
74	714519104020	III(CSE)	RAJKRISHNA S
75	714519104021	III(CSE)	RAMANA A
76	714519104022	III(CSE)	SANDEEP S
77	714519104024	III(CSE)	SNEHALATHA J B
78	714519104025	III(CSE)	SOORAJ K M
79	714519104027	III(CSE)	SUREKHA S
80	714519104028	III(CSE)	SUSMITHA S
81	714519104029	III(CSE)	SWETHA R
82	714519104030	III(CSE)	SWETHA S
83	714519104031	III(CSE)	VALLARASU S
84	714519104032	III(CSE)	VIMAL RAJ B
85	714519104033	III(CSE)	VISHNU M
86	714518104001	IV(CSE)	AARTHI S
87	714518104003	IV(CSE)	ARUN RAMAKRISHNA T
88	714518104005	IV(CSE)	DHANALAKSHMI S
89	714518104007	IV(CSE)	HARI PRASATH M
90	714518104008	IV(CSE)	JASWANTH RAJ R
91	714518104009	IV(CSE)	JAYA PREETHI R
92	714518104010	IV(CSE)	KAMALIKSH
93	714518104011	IV(CSE)	KARTHICK ANANDH S
94	714518104012	IV(CSE)	KAVIN KUMAR R
95	714518104013	IV(CSE)	KAYALVIZHI K
96	714518104014	IV(CSE)	KEERTHANA R
97	714518104016	IV(CSE)	LAVANYA R
98	714518104018	IV(CSE)	MIRUTHU VARSHINI S
99	714518104019	IV(CSE)	NAGESHWARI R
100	714518104021	IV(CSE)	NELANE M
101	714518104023	IV(CSE)	NIKILA M
102	714518104025	IV(CSE)	PAVITHRA R
103	714518104026	IV(CSE)	PRASANNA VENKATESH V

104	714518104028	IV(CSE)	RAVIKUMAR D
105	714518104029	IV(CSE)	SABEENA L
106	714518104030	IV(CSE)	SANTHANA KUMAR G
107	714518104031	IV(CSE)	SHAJR M
108	714518104032	IV(CSE)	SIHAMA BANU M
109	714518104033	IV(CSE)	SONAMBIKA P
110	714518104034	IV(CSE)	STELLA C
111	714518104035	IV(CSE)	SUBAARTHI S
112	714518104036	IV(CSE)	SURENDAR R
113	714518104037	IV(CSE)	SURUTHI P
114	714518104038	IV(CSE)	VIDHYA A
115	714518104039	IV(CSE)	VIGNESHWARI S
116	714518104040	IV(CSE)	VIJAYA A
117	714518104041	IV(CSE)	VISHALI K V
118	714518104042	IV(CSE)	VIVITHA P
119	714518104701	IV(CSE)	VIJAY T
120	714518104501	IV(CSE)	PARAMESHWARAN A

Signature of the Course Coordinator





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Periyannaickenpalayam, Coimbatore - 641 020.



Workshop on "HARDWARE/SOFTWARE ENGINEERING FOR SPECIFIC PRODUCT DEVELOPMENTS"

ATTENDANCE REPORT (26-10-2021)

SL. NO	NAME	DEPARTMENT	SIGNATURE
01.	ABISHEK. C	III-YR - MECH	
02.	CHRISTOBRITTO. A	III Yr. H.E.C.	
03.	R. ASWIN KUMARAN	III YR - MECH	R. Aswin Kumaran
04.	S. PRAKASH KUMAR	III rd Yr - MECH	
05.	DHANOSH.	III rd Yr - Mech	
06.	C. Velmurugan	III rd Yr - MECH	
07.	M. SIVARAJ	III rd Yr - MECH	M. Sivaraj
08.	V. JAYANTHANAN	III rd Yr - MECH	V. Jayanthanan
09.	S. AMOTHINI	II nd Yr - R&A	
10.	G. S. Jayanth	II nd Yr R&A	Jeyanth
11.	DINISH S K	II nd Yr R&A	S. K. Dinish
12.	K. DEIVA PRAKASH	II nd Yr R&A	
13.	M. VIMAL GRACE	II nd Yr R&A	M. Vimal grace
14.	Elango. S	II Yr. R.A	S. Elango
15.	JANVEEKUMAR. R	II Year. R.A	
16.	VASANTHI. V	II YEAR - R.A	
17.	PRADEEP. M	II Year. R.A	
18.	D. K. KANTHI	II Year. R.A	D. K. Kanthi
19.	JASOON. P	II Year. R&A	K. Jasoos

SL. NO	NAME	DEPARTMENT	SIGNATURE
20	Denevakan. D	II year A & DS	Denevakan. D
21	Lekha. Sree. R	II year AI & DS	Lekha. Sree. R
22	Mithiravarshini. F	II yr AI & DS	Mithiravarshini. F
23	UGI. RK.	II yr AI & DS	UGI. RK.
24	Saidhiya. S	II yr AI & DS	Saidhiya. S
25	Dhanyaree. M	II yr AI & DS	Dhanyaree. M
26	Mohamad Danish. H.A	II yr AI & DS	Mohamad Danish. H.A
27	Vishnu Dev. S	II yr AI & DS	Vishnu Dev. S
28	Madhana Gopal	II yr AI & DS	Madhan. B
29	Madhan. G	II yr AI & DS	Madhan. G
30	Sri Kanth. K.P	II yr AI & DS	Sri Kanth. K.P
31	Tubaiz Ahamed. A	II yr AI & DS	Tubaiz Ahamed. A
32	Srinivasan. M	II Year CSE	Srinivasan. M
33	Kannan.	II year CSE	Kannan.
34	N. Mukundan.	II year CSE	N. Mukundan.
35	AKASH. S	II year CSE	AKASH. S
36	Ajay	II year CSE	Ajay
37	D. Sam Arpudha Raja	II yr AI & DS	D. Sam Arpudha Raja
38	Shanabep. A	II yr CSE	Shanabep. A
39	Sathish. D	II yr AI & DS	Sathish. D
40	Navin. B	II year CSE	Navin. B
41	Ganesh Kumar	II year AI & DS	Ganesh Kumar
42	K.S. Vigneshwar	II year AI & DS	K.S. Vigneshwar
43	ROSHINI BENNYGERRU	II yr AI & DS	ROSHINI BENNYGERRU
44	Bubashree. S. K	II - CSE	Bubashree. S. K
45	Kavya. R. S	II. CSE	Kavya. R. S
46	Kavya. K	II CSE	Kavya. K

SL. NO	NAME	DEPARTMENT	SIGNATURE
47.	Navdeep S	CSE - II	S. Nav
48.	I. Sanjay .c	CSE - II	S. J.
49.	ARUN .p	CSE - II	P. A-k
50	Sourabhviya. Sci G	CSE - II	G. S-f
51	Keerthana . R	CSE - II	R. Keerthana
52.	Swetha . S	CSE - II	Swetha . S
53.	Dhanushit	CSE - III	Dhanushit
54.	Abdul Razak	ECE - II	Abdul Razak
55.	Murali Krishnan	ECE - II	Murali Krishnan
56.	Sanyith	ECE - II	R. Sanyith
57	R. Sanyith	ECE - II	R. Sanyith
58	A. Abinash.	ECE - II	A. Abinash
59.	N. Venmathi	ECE - II	N. Venmathi
60.	Vinisha . R	ECE - II	Vinisha . R.
61	Sindhya . K	ECE III	Sindhya . K.
62.	Kalai Selvi . J	ECE III	Kalai Selvi . J.
63.	Sivasanjini . S	ECE III	Sivasanjini . S.
64.	Anusha . K.	ECE III	Anusha . K.
65	Sathya . R.	ECE III	P. Sathya . R.
66.	Prabhavathi . G	ECE III	Prabhavathi . G.
67.	Sabeer . M.	ECE III	Sabeer . M.
68.	Axavind . A	ECE III	Axavind . A.
69.	SIVASURYAN . P	ECE IV	Sivasuryan . P.
70.	DIVAKAR RAJAS	ECE IV	Divakar Rajas



EDII & MHRD-IIC CELL WORKSHOP-1 FEEDBACK FORM

Questions Responses **01** Settings

81 responses



Accepting responses

Summary

Question

Individual

Who has responded?

vimalgracerobotics@gmail.com

layeenkumar444@gmail.com

aswinkumaran22@gmail.com

ponnupradeep737@gmail.com

prakashkeerthy002@gmail.com

amothinisudhar@gmail.com

sivasuryan10@gmail.com

krishnark20020623@gmail.com

🕒 Waiting for 2 responses

Send email reminder

esakkimadhura@uit.ac.in

18rbcs014@uit.ac.in

"HARDWARE / SOFTWARE ENGINEERING FOR SPECIFIC PRODUCT DEVELOPMENTS"

NAME

81 responses

STELLA C

Revathi

S.VIGNESHWARI

R.Keerthana

ROSHINI BENAZEER K.

D Karthi

Sandhya A

MEGAVARSHINI P



PHONE NUMBER

81 responses

6369267312

9566571512

9843855440

8489386173

9488305832

9345453634

08870129454

9750583058

9360252989

REGISTER NUMBER

81 responses

714519106004

714519106007

71451811450#

714518114008

714518114013

714518114003

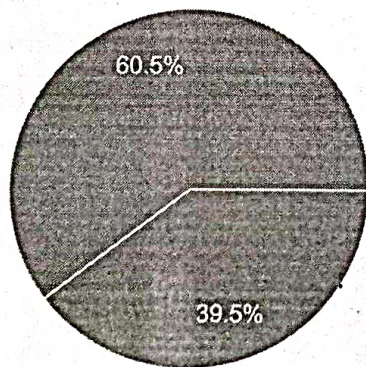
714518114012

714518114007

714518114011

GENDER

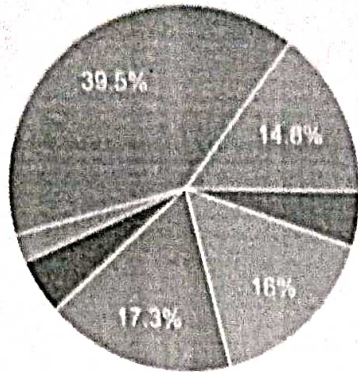
81 responses



- Female
- Male
- Neutral

YEAR OF STUDY

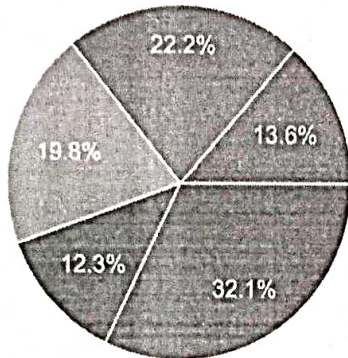
81 responses



- I year
- II year
- III year
- Final year
- AP
- ASP
- 2nd year
- 3rd year

DEPARTMENT

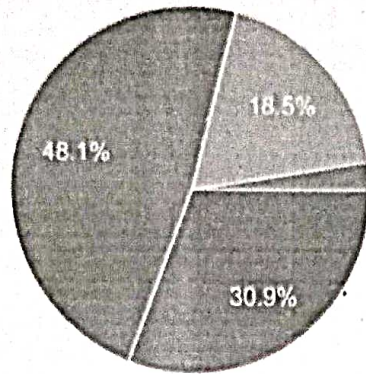
81 responses



- CSE
- AI&DS
- ---
- MECH
- CIVIL
- EEE
- R&A

What percentage of the information was new to you?

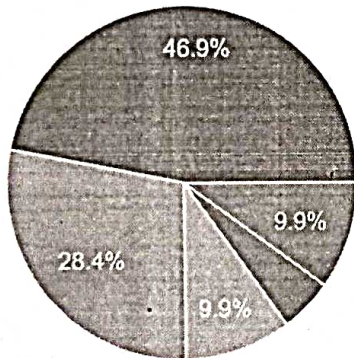
81 responses



- 100%
- 75%
- 50%
- 25%
- 0%

The resource person was well organized, easy to follow and prepared for the workshop?

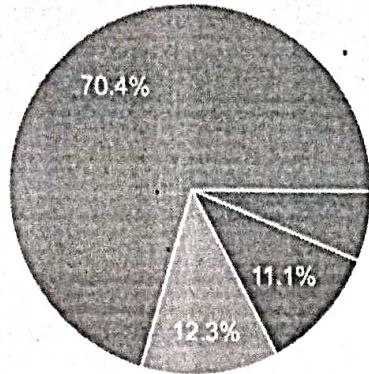
81 responses



- 1
- 2
- -
- 4
- 5

What are your takeaway from the workshop ?

81 responses



- Hardware specification
- Software specification
- Product development
- Above all

Any questions would you like to ask the resources person?

55 responses

- No
- Nil
- Ntng
- No doubt
- None
- Everything was precise and clear
- Nothing
- Is software is based on hardware or hardware is based on software

Any additional suggestions, improvements or feedback to the resources person?

53 responses

No

Nil

Everything was good

None

Good session

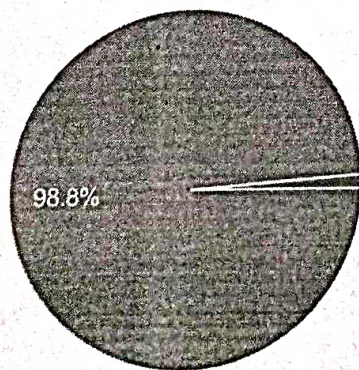
Need more self activities

Yes

Program is excellent

Are you like to attend the workshop like this in future?

81 responses



- Yes
- No

ANY SUGGESTIONS

81 responses

- No
- Nil
- Good
- Nothing
- None
- Nothing else
- Thank you
- No queries
- Great session





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G.Goundampalayam, Periyanaickanpalayam,
Coimbatore - 641 020.



REPORT ON ONE DAY WORKSHOP
On
**“HARDWARE / SOFTWARE ENGINEERING FOR SPECIFIC
PRODUCT DEVELOPMENTS”**



26th OCTOBER 2021

Dr. Sathishkumar.P, Entrepreneurship Development Institute of India (EDII) cell coordinator along with executive committee members organized a one day workshop on “Hardware / Software Engineering for Specific Product Developments” on October 26, 2021 in United Institute of Technology, seminar hall. More than 60 EDII cell members from various departments participated effectively. Students from EDC & MHRD-IIC cell were participated and benefitted by attending this workshop.

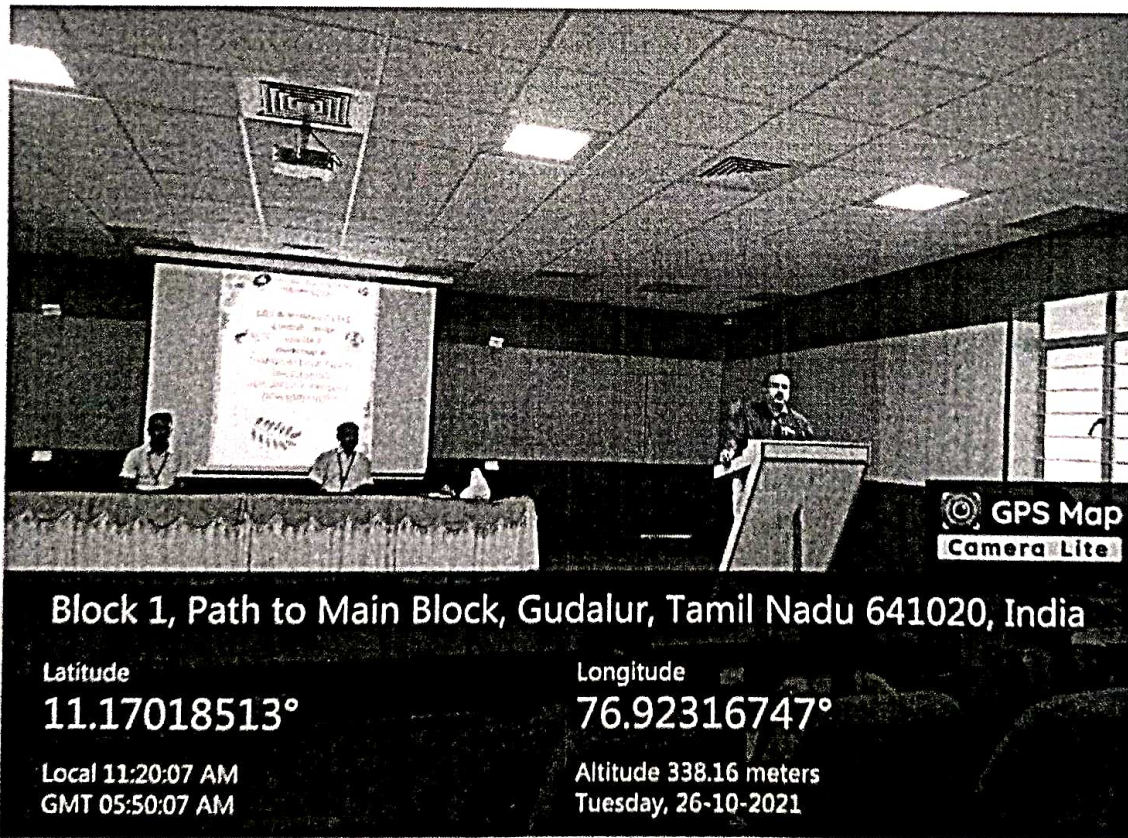


Figure 1 Keynote address by Chairman Shri, Shri. S.Shanmugam

The programme started at 11am with the welcome address by Ms.Swetha III/CSE department. The keynote address was given by our chairman sir, Shri. S.Shanmugam. He shared his experience and talked about the roles of engineers in the society.

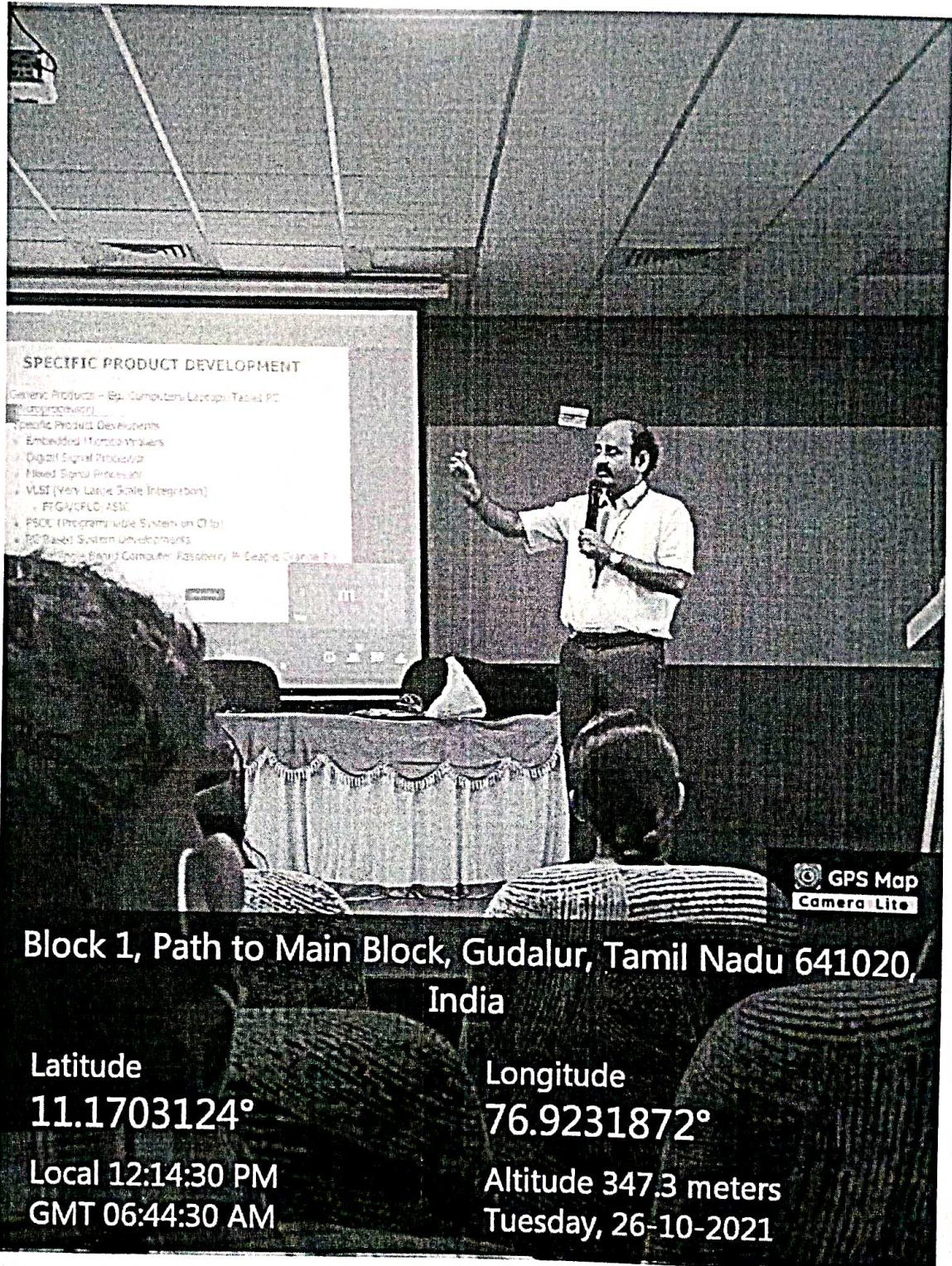


Figure 2 Expert addressing the gathering

Dr. Kannan, HOD/S&H department served as a resource person for this the workshop. He gave a brief explanation about the product & service based companies. And also discussed about the following,

- Qualities and technical skills required for an entrepreneur
- Customer Requirements on specific products
- Technologies used for Specific Product Developments
- Importance of hardware as well as software engineering in various fields.
- Impact of automation on future world

He deliberated the hardware and software tools required for specific product development. Demonstration for sample product design such as Digital Voltmeter, Programmable Timer and Scrolling display using Microchip PIC Microcontroller. He explained the programming part using CCS embedded C-Compiler and used Microchip ICD tools used for programming and debugging purpose.

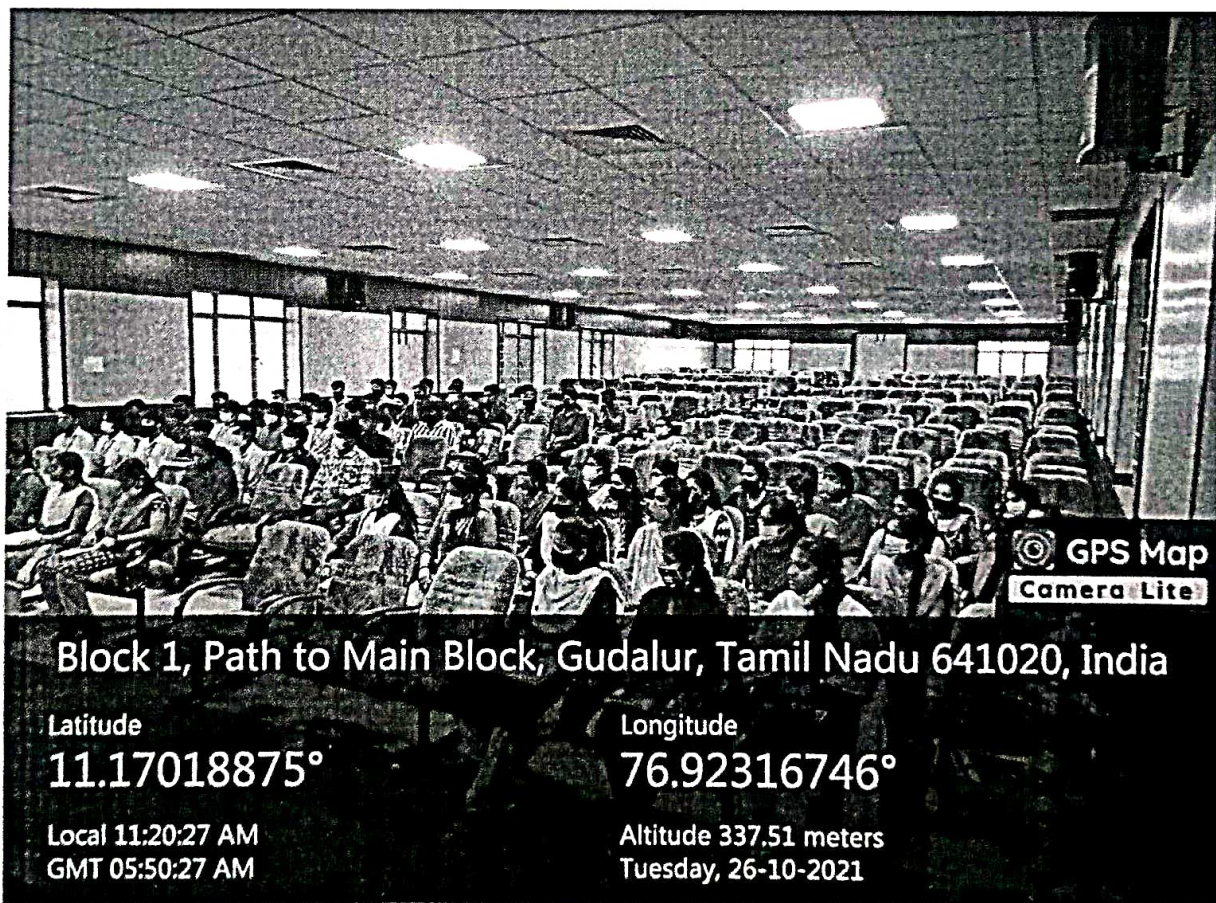


Figure 3 Students participation In workshop

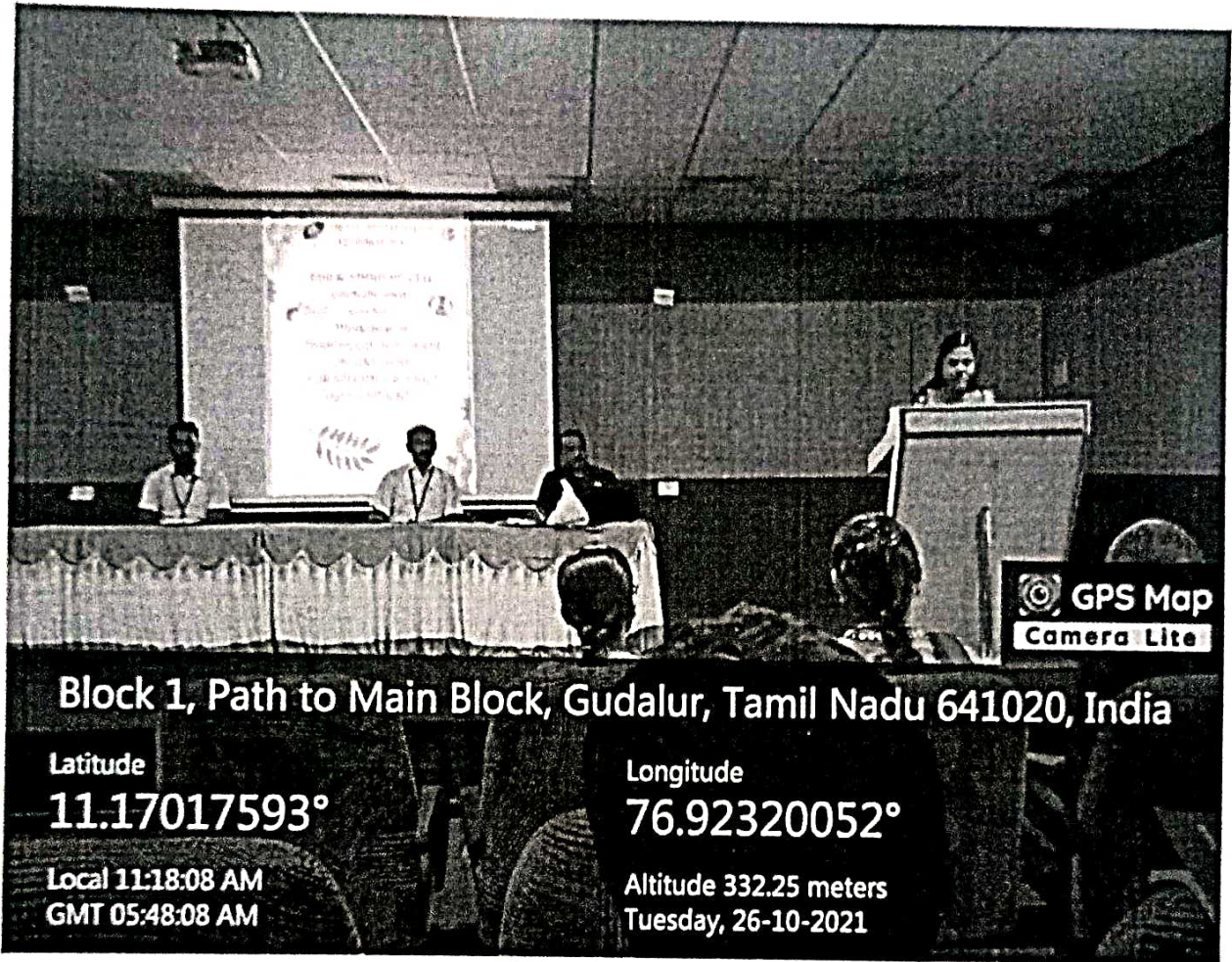


Figure 4 Vote of thanks by student

Finally, he gave a demo session about the real time application of microcontroller using “SEVEN SEGMENT DISPLAY”. The programme wrapped up around 1 pm. The vote of thanks which was given by Megavarshini II/AIDS.

M. Annas
MHRD – IC Coordinator

[Signature]
EDII Coordinator

[Signature]
Principal