



EGS PILLAY
ENGINEERING COLLEGE

Nagapattinam - 611002



E.G.S.Pillay Engineering College Nagapattinam-611 002



(An ISO 9001-2008 Certified Institution)

**Affiliated to Anna University, Chennai
Tamilnadu, India**

Department of ECE

5 days value added course on ARM CORTEX M4 MICROCONTROLLER

On

06.03.2021 - 10.03.2021

Convener

Dr. B. PADMANABAN, HOD/ECE

Co-ordinators

Mr. S.SENTHILKUMAR, A.P/ECE

&

Ms. K.K.SHANDHOSH SHREE AP/ECE



EGS PILLAY



Engineering College

Autonomous

Old Nagore Road, Nagapattinam-611 002, Tamilnadu

Affiliated to Anna University | Approved by AICTE | Accredited by - NBA & NAAC 'A' Grade | Recognised by UGC 2(f) & 12(B) | An ISO 9001:2015 Certified Institution

Counselling Code : 3806

+91-4365-251112/14 | principal@egspec.org/enquires@egspec.org

Department of Electronics and Communication Engineering
(Accredited by NBA)

ARM CORTEX M4 MICROCONTROLLER

06.03.2021 - 10.03.2021

Time: 10.00 AM – 11.30AM

LECTURE

by

*Dr. K.Sainadhkumar, M.E, Ph.D.,
Assistant Professor,
Department of ECE
K.Ramakrishna college of Engineering,
Trichy*

Convenor : Co-ordinators

((MR.S.SENTHIL KUMAR, A/P(ECE)) AP/ECE
(MS.K.K.SHANDHOSH SHREE) AP/ECE

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (E) Tamil Nadu.

HOD/ECE

(DR. B. PADMANABAN)



E.G.S. PILLAY ENGINEERING COLLEGE

(An Autonomous Institution, Affiliated to Anna University, Chennai)
Nagore Post, Nagapattinam – 611 002, Tamilnadu.

Department of Electronics and Communication Engineering

ARM CORTEX M4 MICROCONTROLLER REPORT

Online Guest Lecture Programme in **ARM CORTEX M4 MICROCONTROLLER**, has been conducted in our E.G.S Pillay Engineering College, Nagapattinam, organized by Department of Electronics and Communication Engineering, E.G.S. Pillay Engineering College, Nagapattinam. The Programme was started on 06.03.2021-10.03.2021 at 10 AM in online mode.

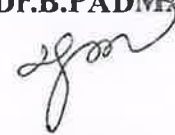
The one of the co-ordinator **Mr. S.SENTHIL KUMAR AP/ECE**, started this course with his welcome address. Head of the department **Dr.B.PADMANABAN** gave the keynote address. Our esteemed Principal **Dr.S.RAMABALAN** presented the inaugural address and finally Our chief Guest **Dr.K.SAINADHKUMAR,M.E.,Ph.D., Department of ECE from K.RAMAKRISHNAN COLLEGE OF ENGINEERING-TRICHY** has explicated about Success full Interview skills needed for Jobs in Electronics and communication sectors.

Finally, Programme came to a close, with the summary of the whole programme was given by **Mr. S. SENTHIL KUMAR AP/ECE**, Coordinator, and Co-Coordinator **Ms.K.K.SHANDHOSH SHREE AP/ECE**, proposed vote of thanks.

Coordinators 
(Mr. S.SENTHIL KUMAR)

(Ms.K.K.SHANDHOSH SHREE)

HOD
Dr.B.PADMANABAN



ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

Dr. B. PADMANABAN, M.E., Ph.D.,
Professor & Head,
Department of Electronics and
Communication Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam - 611 002.

03.03.2021

From

S.Senthil kumar, A/P(ECE)
Assistant Professor,
Department of ECE,
E.G.S.Pillay Engineering College,
Nagapattinam.

To

The Principal,
E.G.S. Pillay Engineering College,
Nagapattinam.

Handwritten signature/initials

Respected Sir,

Sub: Requisition to conduct online value added course- Reg.

We planned to conduct Five days value added course on **ARM CORTEX M4 MICROCONTROLLER** from 06.03.2021 - 10.03.2021. So, we request you to give the permission to conduct the course.

Thanking you,

Your's Faithfully

ATTESTED
Handwritten signature
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu

Handwritten signature
(Mr. S.SENTHIL KUMAR)

Handwritten signature
(Ms.K.K.SHANDHOSH SHREE)

Date: 03.03.2021

Place: EGSPEC, Nagapattinam

Forwarded to principal
Handwritten signature

03.03.2021

From

S.Senthil kumar, A/P(ECE)
Assistant Professor,
Department of ECE,
E.G.S.Pillay Engineering College,
Nagapattinam.

To

The Principal,
E.G.S. Pillay Engineering College,
Nagapattinam.

03/03/21

Respected Sir,

Sub: Requisition for Budget to conduct online value added course- Reg.

We planned to conduct online value added course on "ARM CORTEX M4 MICROCONTROLLER" from 06.03.2021 - 10.03.2021. Approximation budget for this value added course is enclosed with this letter. We request you to kindly do the needful.

Thanking you,

Date:03.03.2021

Place: Nagapattinam

ATTESTED
[Signature]
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (T) Tamil Nadu.

*Forwarded
to Principal
[Signature]*

Your's Faithfully

[Signature]
03/03/21

S.Senthil kumar, A/P(ECE)

03.03.2021

From

Dr. B. Padmanaban,
Head of the department,
Department of ECE,
E.G.S. Pillay Engineering College,
Nagapattinam.

To

Dr. K.Sainadhkumar, M.E, Ph.D.,
Assistant Professor,
Department of ECE
K. Ramakrishna college of Engineering,
Trichy.

Respected Madam ,

Sub: Requisition to be an resource person and take session on Embedded systems – **Reg.**

Respected Sir,

I am very glad to share that, we are going to conduct online value added course on “**ARM CORTEX M4 MICROCONTROLLER**” from 06.03.2021 - 10.03.2021 in online mode. In connection with this, it will be a great pleasure for us to request to be resource person and take session in embedded systems.

Thanking you,

Place: Nagapattinam

*Forwarded to
principal*

ATTESTED

**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thothi, Nagere - 611 002,
Nagapattinam (Dt) Tamil Nadu.**

Your's Faithfully

(DR. B. PADMANABAN)

**Dr. B. PADMANABAN, M.E., Ph.D.,
Professor & Head,
Department of Electronics and
Communication Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam - 611 002.**

03.03.2021

From

Dr. K.Sainadhkumar, M.E, Ph.D.,
Assistant Professor,
Department of ECE
K. Ramakrishna college of Engineering,
Trichy.

To

Dr. B. Padmanaban,
Head of the department,
Department of ECE,
E.G.S. Pillay Engineering College,
Nagapattinam

Respected Sir,

Sub: Acceptance of resource person - **VALUE ADDED COURSE – Reg.**

Respected Sir,

I am very happy to see your letter about to deliver a lecture on “**ARM CORTEX M4 MICROCONTROLLER**” as a resource person to your students. I would like to take this session .

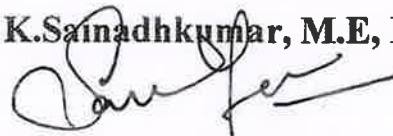
Thanking you,

Your's Faithfully

Date: 03.03.2021

Place: Trichy

(Dr. K.Sainadhkumar, M.E, Ph.D.,)



ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.



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FIVE DAYS VALUE ADDED COURSE online
on

“ARM CORTEX M4 MICROCONTROLLER”

06.03.2021 - 10.03.2021

ORGANIZED BY

Department of Electronics and Communication Engineering

Date: 03.03.2021

BUDGET REQUIREMENT

S.No	Particulars	Amount Required (In Rs.)
01	Resource person honorarium	5,000/-
TOTAL		5,000/-

Coordinators

(S.Senthil kumar, A/P(ECE)

(K.K.Shandhosh Shree AP/ECE)

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thottai, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.

HOD

(Dr. B. PADMANABAN)

Dr. B. PADMANABAN M.E.,
Professor & Head,
Department of Electronics and
Communication Engineering,
E.G.S. Pillay Engineering College
Nagapattinam - 611 002.

STAFF ATTENDED THE VALUE ADDED COURSE

Faculty	Signature	Faculty	Signature
Mr.K.Parthasarathi		Mr.S.Jim Hawkinson	
Mrs.R.S.Kotteshwari		Mr.S.Senthilkumar	
Mrs.S.Chitra		Mr.T.Senthilkumar	
Mrs.V.Elavarasi		Ms.K.K.Shandhosh shree	
Mr.D.Devarajan		Ms.S.Dhanalakshmi	
Mr.M.Nuthal Srinivasan		Ms.S.Aadhirai	
Mr.M.Irshad Ahamed			
Mr.L.Ramachandran		--	--

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

EGSP ENGINEERING COLLEGE – NAGAPATTINAM

DEPARTMENT OF ECE

VALUE ADDED COURSE-2021

Objectives of Value added course:

1. Explain the basic concepts of real time Operating system design and architecture of ARM-Thumb and Thumb-2 processor.
2. Illustrate differentiate between the general purpose operating system and the real time operating system.
3. Summarize the system design techniques to develop software for embedded systems.
4. Classify the System design Techniques for Architecture design and Quality Assurance Techniques
5. Construct a Model of real-time applications using cortex M4 concepts.

Attainment Process:

1. Students have to write objective test (maximum of 10 questions) based on the training.
2. If he/she scores 10 he/she is attained maximum of the objectives (on relative score basis 0-3= 3; 4-6= 6; 7-10= 9).
3. Calculate cumulative score from the entire class.
4. Find average of it and check whether objective is attained or not.

ATTESTED



**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL**

**S.G.S. Pillay Engineering College,
Theethi, Nagore - 613 002,
Nagapattinam (DN) Tamil Nadu**



E.G.S. PILLAY ENGINEERING COLLEGE
(An Autonomous Institution, Affiliated to Anna University, Chennai)
Nagore Post, Nagapattinam – 611 002, Tamilnadu.
Department of Electronics and Communication Engineering

ECE/2021/EVEN/CIRCULAR-07

DEPARTMENT CIRCULAR DATED


To enhance the practical Skills to face Interview and Some Needed abilities of our ECE students, We are going to conduct the value added course on “ARM CORTEX M4 MICROCONTROLLER” from 06.03.2021 - 10.03.2021 through online mode

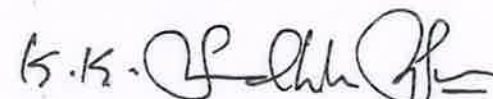
OBJECTIVE

An effort to create awareness on Model of real-time applications using embedded-system concepts, it would help the students to do innovative projects.To enhance the practical Skills to face Interview and Some Needed abilities.

DAYS	Participants	EVENT	RESOURCE PERSON
06.03.2021 - 10.03.2021	ECE Students	<ul style="list-style-type: none">• Practical Video of Working Environment.• UART Techniques• GPIO• Cortex M4 interrupt handling• App development	Dr. K.Sainadhkumar, M.E, Ph.D., Assistant Professor, Department of ECE K.Ramakrishna college of Engineering, Trichy.

Program Co-ordinators



(S.Senthil kumar, A/P(ECE))


(Ms.K.K.Shandhosh shree,AP/ECE)

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

HOD/ECE


(Dr. B. PADMANABAN)

Dr. B. PADMANABAN, M.E., Ph.D.,
Professor & Head,
Department of Electronics and
Communication Engineering
E.G.S. Pillay Engineering College,
Nagapattinam - 611 002.

EGSP ENGINEERING COLLEGE – NAGAPATTINAM

DEPARTMENT OF ECE

VALUE ADDED COURSE -2021

S.no	REGISTE R NUMBER	STUDENT NAME	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	E20ECR001	AARTHI T	1	1	1	1	1	1	1	0	1	1
2	E20ECR002	ABARNA K	1	1	1	1	0	1	1	1	1	1
3	E20ECR003	ABDUL RAASHID J	1	1	1	1	1	1	1	1	1	1
4	E20ECR004	ABINAYA S	1	1	0	1	1	1	1	1	1	1
5	E20ECR005	ABISHEK J	1	1	1	0	1	1	1	1	1	1
6	E20ECR006	ADHIRAI V	1	1	1	1	1	1	1	1	1	1
7	E20ECR007	AISHWARYA R	1	1	1	1	1	1	1	1	0	1
8	E20ECR008	ANISHA K	1	1	0	1	1	0	1	1	1	1
9	E20ECR009	ARAVIND J	1	1	1	1	1	1	1	1	1	1
10	E20ECR010	ARULMARY A	1	1	1	1	1	1	0	1	1	1
11	E20ECR011	BHARANIDHARAN V	1	1	1	1	0	1	1	1	1	1
12	E20ECR012	BHUVANESHWARI K	1	1	1	1	1	1	1	1	1	1
13	E20ECR013	BHUVANESHWARI N	1	0	1	1	1	1	1	1	1	1
14	E20ECR014	DEVA T	1	1	1	1	1	1	1	1	1	0
15	E20ECR015	DHANUSH R	0	1	1	1	1	1	1	0	1	1
16	E20ECR016	DHARANI S	1	1	1	1	1	1	1	1	1	1
17	E20ECR017	DHAYANITHI M	1	1	0	1	1	1	1	1	1	1
18	E20ECR018	DIVYADHARSHINI N	1	1	1	0	1	1	1	1	1	1
19	E20ECR019	ELANGAVI E	1	1	1	1	1	1	0	1	1	1
20	E20ECR020	GOBINATH M	1	1	1	1	1	1	1	1	1	1
21	E20ECR021	HARIDHARANI G	1	1	1	1	1	1	1	1	1	1
22	E20ECR022	HARIHARAN V	0	1	1	1	1	1	1	1	1	1
23	E20ECR023	IMRAN KHAN J	1	1	1	1	1	1	1	1	1	1
24	E20ECR024	IRSATH HASAN S	1	1	1	1	1	1	1	1	1	1
25	E20ECR025	JANA T	1	1	1	1	1	1	1	1	1	1
26	E20ECR026	KALAIVANI E	1	1	1	1	1	1	1	1	1	1
27	E20ECR027	KALIFA KADHAR S	1	1	1	1	1	1	1	1	1	1
28	E20ECR028	KAMALESH J	1	1	1	1	1	1	1	1	1	1
29	E20ECR029	KANNAN A	1	1	0	1	1	1	1	1	1	1
30	E20ECR030	KAVIPRIYA K	1	1	1	1	1	1	1	1	0	1
31	E20ECR031	KAVIVENIL U	1	1	1	1	1	1	1	1	1	1
32	E20ECR032	KAVIYA K	0	1	1	1	1	0	1	1	1	0
33	E20ECR033	KAVIYARASAN R	1	1	1	1	1	1	1	1	1	1
34	E20ECR034	KEERTHANA S	1	1	1	1	1	1	1	1	1	1
35	E20ECR035	KESAVAN M	1	1	1	1	1	1	1	0	1	1
36	E20ECR036	KISHORE B	1	1	1	0	1	1	1	1	1	1
37	E20ECR037	KISHORE S	0	1	1	1	1	1	1	1	1	1
38	E20ECR038	LAKSHMI PRIYAA P	1	1	1	1	1	1	1	1	1	1
39	E20ECR039	MALASRI M	1	1	1	1	1	1	0	1	1	1
40	E20ECR040	MOHAMED JAFRAN M	1	1	1	1	1	0	1	1	1	1
41	E20ECR041	MOHAMED JAMALUDEEN M	1	1	1	1	1	1	1	1	0	1

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
 G.S. Pillay Engineering College
 Thethi, Nagapattinam (Dt) Tamil Nadu.



42	E20ECR042	MOHAMED NOWSATH ALI M	1	1	1	1	1	1	1	1	1	1
43	E20ECR043	MOHAMED RABIUDEEN S	1	1	1	1	1	1	1	1	1	1
44	E20ECR044	MOHAMED SEYGU MEERAN M	1	1	1	1	1	1	1	1	1	1
45	E20ECR045	NAFEES A	1	1	1	1	1	1	1	1	1	1
46	E20ECR046	NANDHA S	1	1	0	1	1	1	1	1	1	1
47	E20ECR047	NAVEEN M	1	1	1	0	1	0	1	1	1	1
48	E20ECR048	NAVEENSARATHI R	1	1	1	1	1	1	1	1	1	0
49	E20ECR049	NITHISHKUMAR T	1	1	1	1	1	1	1	1	1	1
50	E20ECR050	NITHYA SRI S	0	1	1	1	1	0	1	1	1	1
51	E20ECR051	NIVETHA T	1	1	1	1	1	1	1	1	1	1
52	E20ECR052	NIVETHITHA P	1	1	1	1	1	1	1	1	1	1
53	E20ECR053	NIXONBELLORA V	1	1	1	1	1	1	1	1	1	1
54	E20ECR054	PRAKASH B	1	1	1	1	1	1	1	1	1	1
55	E20ECR055	PREETHIKA S	1	1	1	1	1	1	1	1	1	1
56	E20ECR056	PRIYATHARSHINI B	1	1	1	1	1	1	0	1	1	1
57	E20ECR057	PRIYAVARTHAN C	1	1	1	1	1	0	1	1	1	1
58	E20ECR058	RAGAVI R	1	0	1	1	1	1	1	1	0	1
59	E20ECR059	RAHUL R	1	1	1	1	1	1	1	1	1	1
60	E20ECR060	RAJESHWARI .R	1	1	1	1	1	1	1	1	1	1
61	E20ECR061	RAMYA A	1	1	1	1	1	1	1	1	1	1
62	E20ECR062	RATCHANYA R	1	1	1	1	1	1	1	1	1	1
63	E20ECR063	ROSINI P	1	1	1	1	1	1	0	1	1	1
64	E20ECR064	SABIEL RAHMAN S	1	1	1	1	1	0	1	1	1	1
65	E20ECR065	SAKTHIVEL M	1	0	1	1	1	1	1	1	0	1
66	E20ECR066	SAKTHIVISHAL I	1	1	1	1	1	1	1	1	1	1
67	E20ECR067	SALMANPARIS B	1	1	1	1	1	1	1	1	1	1
68	E20ECR068	SAMEERUDEEN S	1	1	1	1	1	1	1	1	1	1
69	E20ECR069	SANJAI M	1	1	1	1	1	1	1	1	1	1
Total			64	65	64	65	67	62	64	66	64	66

Total points scored = 647

Average of points scored = Total points scored / (Total Number of students * Total Questions) = 647/ (69*10) = 0.938

Attainment of objectives = Average points scored * Maximum credits for objectives = 0.938* 9 = 8.43

Program Co-ordinator


(Mr.L.Ramachandran, AP/ECE)

(Ms.K.K.Shandhoshree, AP/ECE)

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Na. 44, Arinathur (Dt) Tamil Nadu.

HOD/ECE

(Dr. B. PADMANABAN)
Dr. B. PADMANABAN, M.E., Ph.D.,
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VALUE ADDED COURSE online

on

“ARM CORTEX M4 MICROCONTROLLER”

06.03.2021 - 10.03.2021

ORGANIZED BY

Department of Electronics and Communication Engineering

PARTICIPATION NAME LIST

Sl.no	NAME OF PARTICIPANT	COLLEGE NAME
1	AARTHI T	E.G.S PILLAY ENGINEERING COLLEGE
2	ABARNA K	E.G.S PILLAY ENGINEERING COLLEGE
3	ABDUL RAASHID J	E.G.S PILLAY ENGINEERING COLLEGE
4	ABINAYA S	E.G.S PILLAY ENGINEERING COLLEGE
5	ABISHEK J	E.G.S PILLAY ENGINEERING COLLEGE
6	ADHIRAI V	E.G.S PILLAY ENGINEERING COLLEGE
7	AISHWARYA R	E.G.S PILLAY ENGINEERING COLLEGE
8	ANISHA K	E.G.S PILLAY ENGINEERING COLLEGE
9	ARAVIND J	E.G.S PILLAY ENGINEERING COLLEGE
10	ARULMARY A	E.G.S PILLAY ENGINEERING COLLEGE
11	BHARANIDHARAN V	E.G.S PILLAY ENGINEERING COLLEGE
12	BHUVANESHWARI K	E.G.S PILLAY ENGINEERING COLLEGE
13	BHUVANESHWARI N	E.G.S PILLAY ENGINEERING COLLEGE
14	DEVA T	E.G.S PILLAY ENGINEERING COLLEGE
15	DHANUSH R	E.G.S PILLAY ENGINEERING COLLEGE
16	DHARANI S	E.G.S PILLAY ENGINEERING COLLEGE
17	DHAYANITHI M	E.G.S PILLAY ENGINEERING COLLEGE
18	DIVYADHARSHINI N	E.G.S PILLAY ENGINEERING COLLEGE
19	ELANGAVI E	E.G.S PILLAY ENGINEERING COLLEGE
20	GOBINATH M	E.G.S PILLAY ENGINEERING COLLEGE
21	HARIDHARANI G	E.G.S PILLAY ENGINEERING COLLEGE
22	HARIHARAN V	E.G.S PILLAY ENGINEERING COLLEGE
23	IMRAN KHAN J	E.G.S PILLAY ENGINEERING COLLEGE
24	IRSATH HASAN S	E.G.S PILLAY ENGINEERING COLLEGE
25	JANA T	E.G.S PILLAY ENGINEERING COLLEGE
26	KALAIVANI E	E.G.S PILLAY ENGINEERING COLLEGE
27	KALIFA KADHAR S	E.G.S PILLAY ENGINEERING COLLEGE
28	KAMALESH J	E.G.S PILLAY ENGINEERING COLLEGE
29	KANNAN A	E.G.S PILLAY ENGINEERING COLLEGE
30	KAVIPRIYA K	E.G.S PILLAY ENGINEERING COLLEGE
31	KAVIVENIL U	E.G.S PILLAY ENGINEERING COLLEGE
32	KAVIYA K	E.G.S PILLAY ENGINEERING COLLEGE
33	KAVIYARASAN R	E.G.S PILLAY ENGINEERING COLLEGE
34	KEERTHANA S	E.G.S PILLAY ENGINEERING COLLEGE

ATTESTED
 Dr. S. PARADALINGUM M.E., Ph.D.
 E.G.S. PILLAY ENGINEERING COLLEGE
 Thethi, Nagore - 611 002.
 Nagapattinam - 611 002, Tamil Nadu.

35	KESAVAN M	E.G.S PILLAY ENGINEERING COLLEGE
36	KISHORE B	E.G.S PILLAY ENGINEERING COLLEGE
37	KISHORE S	E.G.S PILLAY ENGINEERING COLLEGE
38	LAKSHMI PRIYAA P	E.G.S PILLAY ENGINEERING COLLEGE
39	MALASRI M	E.G.S PILLAY ENGINEERING COLLEGE
40	MOHAMED JAFRAN M	E.G.S PILLAY ENGINEERING COLLEGE
41	MOHAMED JAMALUDEEN M	E.G.S PILLAY ENGINEERING COLLEGE
42	MOHAMED NOWSATH ALI M	E.G.S PILLAY ENGINEERING COLLEGE
43	MOHAMED RABIUDEEN S	E.G.S PILLAY ENGINEERING COLLEGE
44	MOHAMED SEYGU MEERAN M	E.G.S PILLAY ENGINEERING COLLEGE
45	NAFEES A	E.G.S PILLAY ENGINEERING COLLEGE
46	NANDHA S	E.G.S PILLAY ENGINEERING COLLEGE
47	NAVEEN M	E.G.S PILLAY ENGINEERING COLLEGE
48	NAVEENSARATHI R	E.G.S PILLAY ENGINEERING COLLEGE

Coordinators



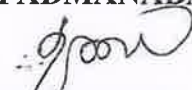
(Mr.S.Senthil kumar, A/P(ECE))



(Ms.K.K.Shandhosh Shree AP/ECE)

HOD

(Dr. B. PADMANABAN)



Dr. B. PADMANABAN, M.E., Ph.D.
Professor & Head,
 Department of Electronics and
 Communication Engineering
 E.G.S Pillay Engineering College,
 Nagapattinam - 611 002.

ATTESTED



Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
 Thethi, Nagore - 611 002.
 Nagapattinam (Dt) Tamil Nadu.



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Counselling Code : 3806

+91-4365-251112/14 | principal@egspec.org/enquires@egspec.org

VALUE ADDED COURSE online

on

"ARM CORTEX M4 MICROCONTROLLER"

06.03.2021 - 10.03.2021

ORGANIZED BY

Department of Electronics and Communication Engineering

Date: 03.03.2021

BUDGET SANCTION DETAILS

S.NO	PARTICULARS	AMOUNT SPENT (in Rs.)
01	Resource person honorarium	5,000/-
	TOTAL	5,000/-

Coordinators

(Mr.S.Senthil kumar, A/P(ECE))

(Ms.K.K.Shandhosh Shree AP/ECE)

ATTESTED

**Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL**

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

HoD

(Dr. B. PADMANABAN)

**Dr. B. PADMANABAN, M.E., Ph.D.,
Professor & Head,
Department of Electronics and
Communication Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam - 611 002.**



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VALUE ADDED COURSE online

on

“ARM CORTEX M4 MICROCONTROLLER”

06.03.2021 - 10.03.2021

ORGANIZED BY

Department of Electronics and Communication Engineering

Recommendation for further actions based on feedback and attainment calculation

1. As we got very good feedback in topic coverage and relevance of this course, further more we can arrange more relevant and current trend topics
2. Since Objective of the value added course is clearly defined and quality of delivered content is very good, we will arrange more seminars with same resource person
3. Value added course material is useful but need more clear and in depth concepts we will make more easy materials for understanding and future reference
4. Due to reach of Expected level in program, we will keep arranging similar programs
5. From the students feedback of welcoming , this programme can be conducted for upcoming batch students.

Coordinators

(Mr.S.Senthil kumar, A/P(ECE))

(Ms.K.K.Shandhosh shree, A/P(ECE))

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

HOD

(Dr. B. PADMANABAN)

Dr. B. PADMANABAN, M.E., Ph.D.
Professor & Head,
Department of Electronics and
Communication Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam - 611 002.



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FIVE DAYS online VALUE ADDED COURSE

on

“ARM CORTEX M4 MICROCONTROLLER”

06.03.2021 - 10.03.2021

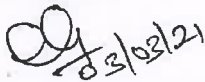
ORGANIZED BY

Department of Electronics and Communication Engineering

COMMITTEE LIST

Sl. No	Name of the Committee	Committee Representative	Responsibilities
1	Overall Program Coordination	L. Ramachandran K.K.Shandhosh shree	Invitation, Brochure, Report Preparation, Programme schedule and Overall Control
2	Comparing	M.Selvasundry S.Jim Hawkinson	Comparing for Inauguration and Valediction, Chief Guest honour.
3	PRO	M.Nuthalsrinivasan, C.Mathuvanesan	Photo Session & Communication

Coordinators



(S.Senthil kumar, A/P(ECE))



(Ms.K.K.Shandhosh shree,A/P(ECE))

ATTESTED


Dr. S. RAMASUBRAMANIAN M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

HOD

(DR. B. PADMANABAN)



Dr. B. PADMANABAN, M.E., Ph
Professor & Head,
Department of Electronics and
Communication Engineering,
E.G.S Pillay Engineering College,
Nagapattinam - 611 002.

Value added course Summary

1. Name of Speaker:
Mr. K.Sainadhkumar
2. Degree: M.E.,Ph.D.,
3. Speaker Details: Senior Embedded Engineer,
i. Embedded Software Developer Vistronics Design
Solution,Chennai
4. Date of speaker's presentation: 06.03.2021 - 10.03.2021
5. Beneficiary Details: ECE students
Coordinator: Mr.S.Senthil kumar, A/P(ECE)
6. Title: **ARM CORTEX M4 MICROCONTROLLER**

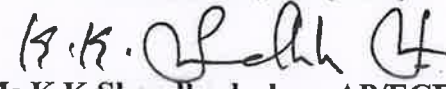
Mapping of Course Outcomes Vs Program Outcomes

Course Outcomes (COs)	CO level	Program Outcomes (POs)											
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	K2	2	1	-	-	-							
CO2	K2	2	1	-	-	-							
CO3	K3	3	2	1	-	-							
CO4	K2	2	1	-	-	-							
CO5	K2	2	1	-	-	-							

Course Outcomes (COs)	CO level	Program Specific Outcomes (PSOs)			
		PSO1	PSO2	PSO3	PSO4
PO level		K4	K3	K4	K2
CO1	K2	1	-	-	3
CO2	K2	1	-	-	3
CO3	K2	1	-	-	3
CO4	K2	1	-	-	3
CO5	K3	2	-	-	2

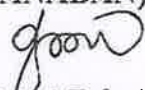
Program Co-ordinators


(Mr.S.Senthil kumar, A/P(ECE))


(Ms.K.K.Shandhosh shree,AP/ECE)

HOD/ECE

(Dr. B. PADMANABAN)


Dr. B. PADMANABAN, M.E., P
Professor & Head,
Department of Electronics and
* Communication Engineering.
E.G.S Pillay Engineering College,
Nagapattinam - 611 002.

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
E.G.S. Pillay Engineering College,
Themi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.



Settings

Attendees

Chat

Polls

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Videos

Files

Whiteboard

54 live out of 384 registered

SYED ALI S

VIJAYAKUMAR K

Sivasukthi S

K.REVATHI REVATHI

K. Venu Prakash

MOHAMED SHAGUL HAMEE

SAAJI DHULLAH

Redirect attendees to a URL

Why use a UART?

- A UART may be used when:
 - High speed is not required
 - A cheap communication line between two devices is required
- Asynchronous serial communication is very cheap
 - Requires a transmitter and/or receiver
 - Single wire for each direction (plus ground wire)
 - Relatively simple hardware
 - Asynchronous because the
- PC devices such as mice and modems used to be asynch



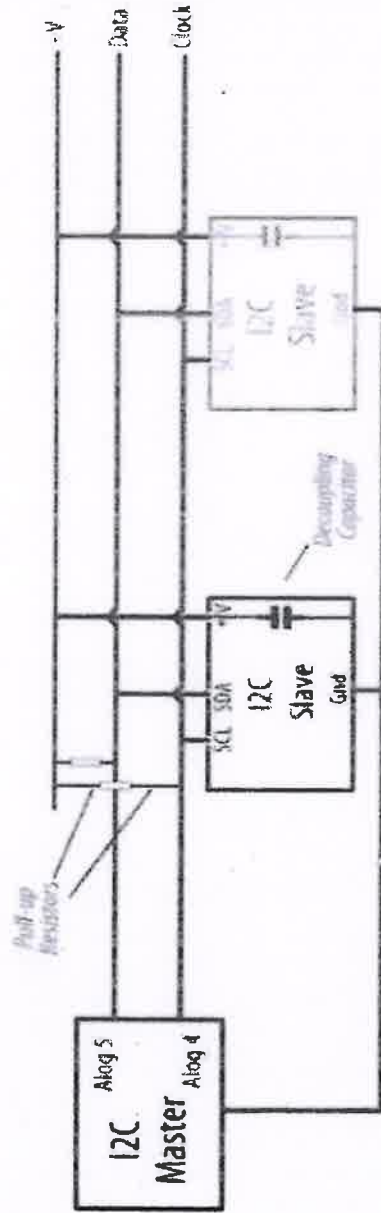
CLK

Logic

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Theethi, Nagore - 611 002.
Thiruvananthapuram (Tamil Nadu).



Analog pins 4 (SCL) and 5 (SDA) must be pulled up, and a common ground is needed



ATTESTED

DR. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
 E.G.S. Pillay Engineering College,
 Thethi, Nagore - 611 002.
 Nagapattinam (Dt) Tamil Nadu.

105 live out of 390 registered

Attendees

- R.A.ABI RAMI
- LINGESHWARI V
- Thiyakesan G
- PRIYADHARSHINI B
- Senthil Kumar T
- Jai Shree Manokaran
- Chitra.s Ravindran

1 2

Redirect attendees to a URL

<https://>

Activate Window

Go to Settings to



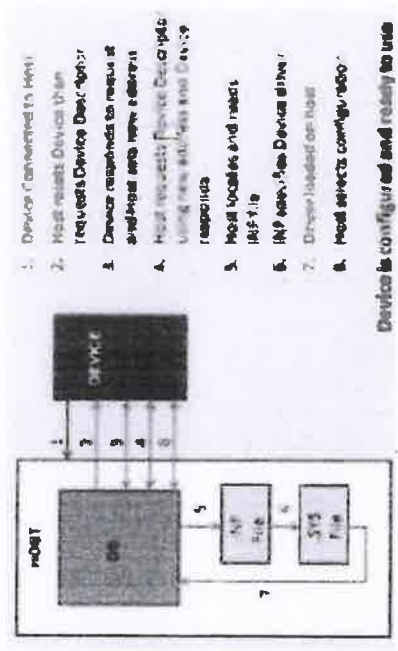
Aravind K... (12:04)

UART.pdf

Cypress_USB.pdf

- that provides information about the device), and assigning and loading a device driver. This entire process can occur in seconds. For more information, see the USB Enumeration and Configuration section. When this process is complete, the device is ready to transfer data to the host. The flow chart of the general enumeration process is shown in Figure 2. Two files are affiliated with enumeration and the loading of a driver. They exist on the host side:
 - .INF** - A text file that contains all the information necessary to install a device, such as driver names and locations, Windows registry information, and driver version information.
 - .SYS** - The driver needed to communicate effectively with the USB device.

Figure 2. Sequence of Enumeration Events



Device is configured and ready to use

After a device is enumerated, the host directs all traffic flow to the device on the bus. Because of this, the device can transfer data without a request from the host controller.

4 USB Architec

ATTESTED

[Handwritten Signature]

Dr. S. Praveen Kumar
Principal
E.G.S Pillay Engineering College,
Thethri, Nagore - 611 002.
Nayadinam (Dt) Tamil Nadu.

Settings

Attendees

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Audio

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Videos

Files

Slides

Set sticky message...

upto your comfort

Dr. S. Praveen Kumar, M.E., Ph.D.,
Assistant Professor, ECE, ESRPEEC
to JAYADEVAN N M

yes you can post it

JAYADEVAN N M private

Shall I post the questions now
wait for the end of session Sir?

N VIGNESH to JAYADEVAN N M
Will discuss in Q & A

N VIGNESH to Jim Heakins
Yes baud rate is very important
115200 is standard one used in

Send to everybody...

Type your comment...



DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING
CERTIFICATE OF PARTICIPATION


Mr/ Ms A.RAJU His/Her attended the FIVE DAYS VALUE ADDED COURSE ON on
“ARM CORTEX M4 MICROCONTROLLER” as conducted by the Department Of
Electronics And Communication Engineering.

06.03.2021-10.03.2021


COORDINATOR

ATTESTED

PRINCIPAL
Dr. S. RAMABALAN, M.E., Ph.D.,
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.


HEAD OF DEPARTMENT (ECE)
Professor & Head,
Department of Electronics and
Communication Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam (Dt) Tamil Nadu.



E.G.S. PILLAYAS



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING CERTIFICATE OF PARTICIPATION


Mr/ Ms **A.RAJU** His/Her attended the FIVE DAYS VALUE ADDED COURSE on “ARM
CORTEX M4 MICROCONTROLLER” as conducted by the Department Of
Electronics And Communication Engineering.

06.03.2021-10.03.2021


COORDINATOR

ATTESTED

DR. S. RAMAKRISHNAN, M.E., Ph.D.
PRINCIPAL
Therli, Nageri - 611 002
Nagapattinam (T) Tamil Nadu.
E.G.S. Pillay Engineering College.


HEAD OF DEPARTMENT (ECE)
Professor & Head,
Department of Electronics and
Communication Engineering,
E.G.S. Pillay Engineering College



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Counseling Code : 3806

+91-4365-251112/14 | principal@egspec.org/enquires@egspec.org

Department of Electronics and Communication Engineering

(Accredited by NBA)

CHALLENGES AND TRENDS IN EMBEDDED SYSTEM

(23.12.2020-28.12.2020)

Time: 10.00 AM – 11.30AM

LECTURE

by

*Dr.R.Saranya, M.E, Ph.d,
Assistant Professor,
Department of CSE,
Central University of Tamilnadu,
Thiruvarur.*

Convenor : Co-ordinators

(L.RAMACHANDRAN) AP/ECE

(MS.K.K.SHANDHOSH SHREE) AP/ECE

HOD/ECE

(DR. B. PADMANABAN)



E.G.S. PILLAY ENGINEERING COLLEGE
(An Autonomous Institution, Affiliated to Anna University, Chennai)
Nagore Post, Nagapattinam – 611 002, Tamilnadu.
Department of Electronics and Communication Engineering

CHALLENGES AND TRENDS IN EMBEDDED SYSTEMS

REPORT

Online Guest Lecture Programme in **CHALLENGES AND TRENDS IN EMBEDDED SYSTEMS**, has been conducted in our E.G.S Pillay Engineering College, Nagapattinam, organized by Department of Electronics and Communication Engineering, E.G.S. Pillay Engineering College, Nagapattinam. The Programme was started on 23.12.2020 at 10 AM in online mode.

The one of the co-ordinator **Mr. S.SENTHIL KUMAR AP/ECE**, started this course with his welcome address. Head of the department **Dr.B.PADMANABAN** gave the keynote address. Our esteemed Principal **Dr.S.RAMABALAN** presented the inaugural address and finally Our chief Guest **Dr.R.SARANYA, M.E, Ph.d, Assistant Professor, Department of CSE, Central University of tamilnadu**, has explicated about Success full Interview skills needed for Jobs in Electronics and communication sectors, job Market expectations.

Finally, Programme came to a close, with the summary of the whole programme was given by **Mr.L.RAMACHANDRAN AP/ECE**, Coordinator, and Co-Coordinator **Ms.K.K.SHANDHOSH SHREE AP/ECE**, proposed vote of thanks.

Coordinators

(**Mr. S.SENTHIL KUMAR**)

(**Ms.K.K.SHANDHOSH SHREE**)

S. Senthil Kumar
K. K. Shandhosh Shree

HOD

Dr.B.PADMANABAN

Dr. B. Padmanaban

Dr. B. PADMANABAN, M.E., Ph.D.,
Professor & Head,
Department of Electronics and
Communication Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam - 611 002.

ATTESTED
Dr. S. Ramabalan
Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Nagore - 611 002,
Nagapattinam (DT), Tamil Nadu.

21.12.2020

From

L.Ramachandran,A/P(ECE)
Assistant Professor,
Department of ECE,
E.G.S.Pillay Engineering College,
Nagapattinam.

To

The Principal,
E.G.S. Pillay Engineering College,
Nagapattinam.

Respected Sir,

Sub: Requisition to conduct online value added course-- Reg.

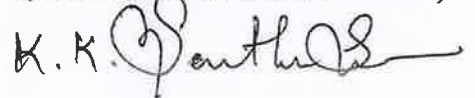
We planned to conduct Five days value added course on **CHALLENGES AND TRENDS IN EMBEDDED SYSTEMS** dated on 23.12.2022-28.12.2020. So, we request you to give the permission for this.

Thanking you,

Your's Faithfully


(Mr. S.SENTHIL KUMAR)

(Ms.K.K.SHANDHOSH SHREE)


K.K. Shandhosh Shree

*Forwarded
to principal
gan*

Date: 21.12.2020

Place: EGSPEC, Nagapattinam

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Sri Lanka)

21.12.2020

From

L.Ramachandran, A/P(ECE)
Assistant Professor,
Department of ECE,
E.G.S.Pillay Engineering College,
Nagapattinam.

To

The Principal,
E.G.S. Pillay Engineering College,
Nagapattinam.



Respected Sir,

Sub: Requisition for Budget to conduct online value added course- Reg.

We planned to conduct online value added course on “**Challenges and Trends in Embedded Systems**” from 23.12.2020 - 28.12.2020. Approximation budget for this value added course is enclosed with this letter. We request you to kindly do the needful.

Thanking you,

Date:21.12.2020

Place: Nagapattinam

*Forwarded
to principal
jow*

Your's Faithfully


L.Ramachandran(AP/ECE)

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thetti, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

21.12.2020

From

Dr.R.Saranya, M.E, Ph.D,
Assistant Professor,
Department of CSE,
Central University of tamilnadu,
Thiruvavarur.

To

Dr. B. Padmanaban,
Head of the department,
Department of ECE,
E.G.S. Pillay Engineering College,
Nagapattinam

Respected Sir,

Sub: Acceptance of resource person - **VALUE ADDED COURSE – Reg.**

Respected Sir,

I am very happy to see your letter about to deliver a lecture on “**Challenges and Trends in Embedded Systems**” as a resource person to your students. I would like to take this session .

Thanking you,

Date: 21.12.2020

Place: Thiruvavarur

Your's Faithfully


(Dr.R.Saranya, M.E., Ph.D.,)

*Forwarded to
Principal
Jan 20*


21/12/20

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College,
Thethi, Nagore - 601 002.
Nagapattinam (Dt) Tamil Nadu.

21.12.2020

From

Dr. B. Padmanaban,
Head of the department,
Department of ECE,
E.G.S. Pillay Engineering College,
Nagapattinam.

To

Dr.R.Saranya, M.E, Ph.d,
Assistant Professor,
Department of CSE,
Central University of tamilnadu,
Thiruvarur.

Respected Madam ,

Sub: Requisition to be an resource person and take session on Embedded systems – **Reg.**

Respected Sir,

I am very glad to share that, we are going to conduct online value added course on **“Challenges and Trends in Embedded Systems”** from 23.12.2020 - 28.12.2020 in online mode. In connection with this, it will be a great pleasure for us to request to be resource person and take session in embedded systems.

Thanking you,

Your's Faithfully

Place: Nagapattinam

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL
E.G.S. Pillay Engineering College
Thurai, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu.

*Forwarded to
Principal*
Joan
21/12/20

(Dr. B. Padmanaban)


Dr. B. PADMANABAN M.E., Ph.D.,
Professor & Head,
Department of Electronics and
Communication Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam - 611 002.



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VALUE ADDED COURSE online

on

CHALLENGES AND TRENDS IN EMBEDDED SYSTEM (23.12.2020-28.12.2020)

ORGANIZED BY

Department of Electronics and Communication Engineering

Date: 21.12.2020

BUDGET REQUIREMENT

S.No	Particulars	Amount Required (In Rs.)
01	Resource person honorarium	7,000/-
TOTAL		7,000/-

Coordinators

(L.Ramachandran(AP/ECE))

(K.K.Shandhosh Shree AP/ECE)

HOD

(Dr. B. PADMANABAN)

Dr. B. PADMANABAN, M.E., Ph.D.,
Professor & Head,
Department of Electronics and
Communication Engineering,
E.G.S. Pillay Engineering College,
Nagapattinam - 611 002.

ATTESTED

Dr. S. RAMABALAN, M.E., Ph.D.,
PRINCIPAL

E.G.S. Pillay Engineering College,
Old Nagore Road - 611 002.

Nagapattinam (TN) Tamil Nadu.



E.G.S. PILLAY ENGINEERING COLLEGE
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Nagore Post, Nagapattinam – 611 002, Tamilnadu.
Department of Electronics and Communication Engineering

ECE/2020/ODD/CIRCULAR-07

DEPARTMENT CIRCULAR DATED

To enhance the practical Skills to face Interview and Some Needed abilities of our ECE students, We are going to conduct the value added course on “**Challenges and Trends in Embedded Systems**” from 23.12.2020 - 28.12.2020 through online mode

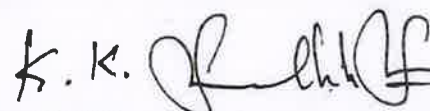
OBJECTIVE

An effort to create awareness on Model of real-time applications using embedded-system concepts, it would help the students to do innovative projects. To enhance the practical Skills to face Interview and Some Needed abilities.

DAYS	Participants	EVENT	RESOURCE PERSON
23.12.2020 - 28.12.2020	ECE Students	<ul style="list-style-type: none">• Practical Video of Working Environment.• UART Techniques• Interview Skills and Knowledges• Some Important Electronics basics	Dr.R.Saranya, M.E, Ph.d, Assistant Professor, Department of CSE, Central University of tamilnadu, Thiruvarur.

Program Co-ordinators

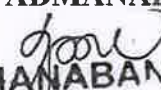

(Mr.L. Ramachandran,AP/ECE)


(Ms.K.K.Shandhosh shree,AP/ECE)

ATTESTED

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Therhi, Nagore - 611 002.
Nagapattinam (Dt) Tamil Nadu

HOD/ECE


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EGS PILLAY



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FIVE DAYS online VALUE ADDED COURSE

on

CHALLENGES AND TRENDS IN EMBEDDED SYSTEMS

(23.12.2020 - 28.12.2020)

ORGANIZED BY

Department of Electronics and Communication Engineering

COMMITTEE LIST

Sl. No	Name of the Committee	Committee Representative	Responsibilities
1	Overall Program Coordination	L. Ramachandran K.K.Shandhosh shree	Invitation, Brochure, Report Preparation, Programme schedule and Overall Control
2	Comparing	M.Selvasundary S.Jim Hawkinson	Comparing for Inauguration and Valediction, Chief Guest honour.
3	PRO	M.Nuthalsrinivasan, C.Mathuvanesan	Photo Session & Communication

Coordinators

Mr.L. Ramachandran)

(Ms.K.K.Shandhosh shree)

HOD

(DR. B. PADMANABAN)

Dr. B. PADMANABAN, M.E., Ph.D.,

Professor & Head,

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ATTESTED

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E.G.S. PILLAY ENGINEERING COLLEGE
(An Autonomous Institution, Affiliated to Anna University, Chennai)
Nagore Post, Nagapattinam – 611 002, Tamilnadu.
Department of Electronics and Communication Engineering

ECE/2020/ODD/CIRCULAR-07

DEPARTMENT CIRCULAR DATED

To enhance the practical Skills to face Interview and Some Needed abilities of our ECE students, We are going to conduct the value added course on “**Challenges and Trends in Embedded Systems**” from 23.12.2020 - 28.12.2020 through online mode

OBJECTIVE

An effort to create awareness on Model of real-time applications using embedded-system concepts, it would help the students to do innovative projects.To enhance the practical Skills to face Interview and Some Needed abilities.

DAYS	Participants	EVENT	RESOURCE PERSON
23.12.2020 - 28.12.2020	ECE Students	<ul style="list-style-type: none">• Practical Video of Working Environment.• UART Techniques• Interview Skills and Knowledges• Some Important Electronics basics	Dr.R.Saranya, M.E, Ph.d, Assistant Professor, Department of CSE, Central University of tamilnadu, Thiruvarur.

Program Co-ordinators

(Mr.L. Ramachandran,AP/ECE)

(Ms.K.K.Shandhosh shree,AP/ECE)

ATTESTED

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HOD/ECE

(Dr. B. PADMANABAN)

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Nagapattinam - 611 002.

STAFF ATTENDED THE VALUE ADDED COURSE

Faculty	Signature	Faculty	Signature
Mr.K.Parthasarathi		Mr.S.Jim Hawkinson	
Mrs.R.S.Kotteshwari		Mr.S.Senthilkumar	
Mrs.S.Chitra		Mr.T.Senthilkumar	
Mrs.V.Elavarasi		Ms.K.K.Shandhosh shree	
Mr.D.Devarajan		Ms.S.Dhanalakshmi	
Mr.M.Nuthal Srinivasan		Ms.S.Aadhirai	
Mr.M.Irshad Ahamed			
Mr.L.Ramachandran		--	--

ATTESTED



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Nagapattinam (Dt) Tamil Nadu.

EGSP ENGINEERING COLLEGE – NAGAPATTINAM

DEPARTMENT OF ECE

VALUE ADDED COURSE-2020

Objectives of Value added course:

1. Explain the basic concepts of real time Operating system design and architecture of ARM processor.
2. Illustrate differentiate between the general purpose operating system and the real time operating system.
3. Summarize the system design techniques to develop software for embedded systems.
4. Classify the System design Techniques for Architecture design and Quality Assurance Techniques
5. Construct a Model of real-time applications using embedded-system concepts.

Attainment Process:

1. Students have to write objective test (maximum of 10 questions) based on the training.
2. If he/she scores 10 he/she is attained maximum of the objectives (on relative score basis 0-3= 3; 4-6= 6; 7-10= 9).
3. Calculate cumulative score from the entire class.
4. Find average of it and check whether objective is attained or not.

ATTESTED

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Nagapattinam (Dt) Tamil Nadu.

EGSP ENGINEERING COLLEGE – NAGAPATTINAM

DEPARTMENT OF ECE

VALUE ADDED COURSE -2020

S.no	REGISTE R NUMBER	STUDENT NAME	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
1	E20ECR001	AARTHI T	1	1	1	1	1	1	1	0	1	1
2	E20ECR002	ABARNA K	1	1	1	1	0	1	1	1	1	1
3	E20ECR003	ABDUL RAASHID J	1	1	1	1	1	1	1	1	1	1
4	E20ECR004	ABINAYA S	1	1	0	1	1	1	1	1	1	1
5	E20ECR005	ABISHEK J	1	1	1	0	1	1	1	1	1	1
6	E20ECR006	ADHIRAI V	1	1	1	1	1	1	1	1	1	1
7	E20ECR007	AISHWARYA R	1	1	1	1	1	1	1	1	0	1
8	E20ECR008	ANISHA K	1	1	0	1	1	0	1	1	1	1
9	E20ECR009	ARAVIND J	1	1	1	1	1	1	1	1	1	1
10	E20ECR010	ARULMARY A	1	1	1	1	1	1	0	1	1	1
11	E20ECR011	BHARANIDHARAN V	1	1	1	1	0	1	1	1	1	1
12	E20ECR012	BHUVANESHWARI K	1	1	1	1	1	1	1	1	1	1
13	E20ECR013	BHUVANESHWARI N	1	0	1	1	1	1	1	1	1	1
14	E20ECR014	DEVA T	1	1	1	1	1	1	1	1	1	0
15	E20ECR015	DHANUSH R	0	1	1	1	1	1	1	0	1	1
16	E20ECR016	DHARANI S	1	1	1	1	1	1	1	1	1	1
17	E20ECR017	DHAYANITHI M	1	1	0	1	1	1	1	1	1	1
18	E20ECR018	DIVYADHARSHINI N	1	1	1	0	1	1	1	1	1	1
19	E20ECR019	ELANGAVI E	1	1	1	1	1	1	0	1	1	1
20	E20ECR020	GOBINATH M	1	1	1	1	1	1	1	1	1	1
21	E20ECR021	HARIDHARANI G	1	1	1	1	1	1	1	1	1	1
22	E20ECR022	HARIHARAN V	0	1	1	1	1	1	1	1	1	1
23	E20ECR023	IMRAN KHAN J	1	1	1	1	1	1	1	1	1	1
24	E20ECR024	IRSATH HASAN S	1	1	1	1	1	1	1	1	1	1
25	E20ECR025	JANA T	1	1	1	1	1	1	1	1	1	1
26	E20ECR026	KALAIVANI E	1	1	1	1	1	1	1	1	1	1
27	E20ECR027	KALIFA KADHAR S	1	1	1	1	1	1	1	1	1	1
28	E20ECR028	KAMALESH J	1	1	1	1	1	1	1	1	1	1
29	E20ECR029	KANNAN A	1	1	0	1	1	1	1	1	1	1
30	E20ECR030	KAVIPRIYA K	1	1	1	1	1	1	1	1	0	1
31	E20ECR031	KAVIVENIL U	1	1	1	1	1	1	1	1	1	1
32	E20ECR032	KAVIYA K	0	1	1	1	1	0	1	1	1	0
33	E20ECR033	KAVIYARASAN R	1	1	1	1	1	1	1	1	1	1
34	E20ECR034	KEERTHANA S	1	1	1	1	1	1	1	1	1	1
35	E20ECR035	KESAVAN M	1	1	1	1	1	1	1	0	1	1
36	E20ECR036	KISHORE B	1	1	1	0	1	1	1	1	1	1
37	E20ECR037	KISHORE S	0	1	1	1	1	1	1	1	1	1
38	E20ECR038	LAKSHMI PRIYAA P	1	1	1	1	1	1	1	1	1	1
39	E20ECR039	MALASRI M	1	1	1	1	1	1	0	1	1	1
40	E20ECR040	MOHAMED JAFRAN M	1	1				0	1	1	1	1
41	E20ECR041	MOHAMED JAMALUDEEN M	1	1					1	1	0	1

ATTESTED

**Dr. S. RAMABALAN, M.E., PH.D.,
PRINCIPAL**

**E.G.S. Pillay Engineering College,
Thethi, Nagore - 611 002,
Nagapattinam (Dt) Tamil Nadu.**

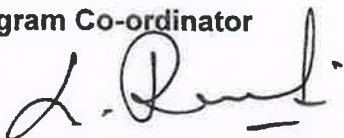
42	E20ECR042	MOHAMED NOWSATH ALI M	1	1	1	1	1	1	1	1	1	1
43	E20ECR043	MOHAMED RABIUDEEN S	1	1	1	1	1	1	1	1	1	1
44	E20ECR044	MOHAMED SEYGU MEERAN M	1	1	1	1	1	1	1	1	1	1
45	E20ECR045	NAFEES A	1	1	1	1	1	1	1	1	1	1
46	E20ECR046	NANDHA S	1	1	0	1	1	1	1	1	1	1
47	E20ECR047	NAVEEN M	1	1	1	0	1	0	1	1	1	1
48	E20ECR048	NAVEENSARATHI R	1	1	1	1	1	1	1	1	1	0
49	E20ECR049	NITHISHKUMAR T	1	1	1	1	1	1	1	1	1	1
50	E20ECR050	NITHYA SRI S	0	1	1	1	1	0	1	1	1	1
51	E20ECR051	NIVETHA T	1	1	1	1	1	1	1	1	1	1
52	E20ECR052	NIVETHITHA P	1	1	1	1	1	1	1	1	1	1
53	E20ECR053	NIXONBELLORA V	1	1	1	1	1	1	1	1	1	1
54	E20ECR054	PRAKASH B	1	1	1	1	1	1	1	1	1	1
55	E20ECR055	PREETHIKA S	1	1	1	1	1	1	1	1	1	1
56	E20ECR056	PRIYATHARSHINI B	1	1	1	1	1	1	0	1	1	1
57	E20ECR057	PRIYAVARTHAN C	1	1	1	1	1	0	1	1	1	1
58	E20ECR058	RAGAVI R	1	0	1	1	1	1	1	1	0	1
59	E20ECR059	RAHUL R	1	1	1	1	1	1	1	1	1	1
60	E20ECR060	RAJESHWARI .R	1	1	1	1	1	1	1	1	1	1
61	E20ECR061	RAMYA A	1	1	1	1	1	1	1	1	1	1
62	E20ECR062	RATCHANYA R	1	1	1	1	1	1	1	1	1	1
63	E20ECR063	ROSINI P	1	1	1	1	1	1	0	1	1	1
64	E20ECR064	SABIEL RAHMAN S	1	1	1	1	1	0	1	1	1	1
65	E20ECR065	SAKTHIVEL M	1	0	1	1	1	1	1	1	0	1
66	E20ECR066	SAKTHIVISHAL I	1	1	1	1	1	1	1	1	1	1
67	E20ECR067	SALMANPARIS B	1	1	1	1	1	1	1	1	1	1
68	E20ECR068	SAMEERUDEEN S	1	1	1	1	1	1	1	1	1	1
69	E20ECR069	SANJAI M	1	1	1	1	1	1	1	1	1	1
Total			64	65	64	65	67	62	64	66	64	66

Total points scored = 647

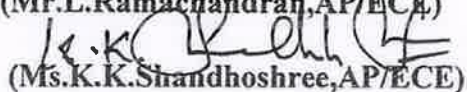
Average of points scored = Total points scored / (Total Number of students * Total Questions) = 647/ (69*10) = 0.938

Attainment of objectives = Average points scored * Maximum credits for objectives = 0.938* 9 = 8.43

Program Co-ordinator



(Mr.L.Ramachandran, AP/ECE)



(Ms.K.K.Shandhoshree, AP/ECE)

ATTESTED



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

PRINCIPAL

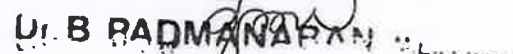
E.G.S. Pillay Engineering College,

Thethi, Nagore - 611 002.

Nagapattinam (Dt) Tamil Nadu.

HOD/ECE

(Dr. B. PADMANABAN)



Dr. B. PADMANABAN
Professor & Head,
Department of Electronics and
Communication Engineering

Value added course Summary


1. Name of Speaker: Dr.R.Saranya
2. Degree: M.E.,Ph.D.,
3. Speaker Details: Assistant professor
4. Date of speaker's presentation: 21.12.2020
5. Beneficiary Details: ECE students
6. Coordinator: Mr. L. Ramachandran
7. Title: Challenges and Trends in Embedded Systems
 - Introduction to Embedded Systems
 - Types of input and output
 - Data flow errors
 - Signal Flow rectification
 - Programming Structure trends
 - Modified Register and inputs

Mapping of Course Outcomes Vs Program Outcomes

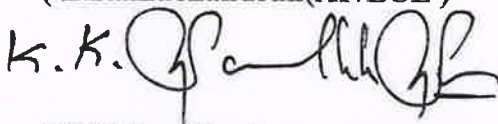
Course Outcomes (COs)	CO level	Program Outcomes (POs)											
		PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1	K2	2	1	-	-	-							
CO2	K2	2	1	-	-	-							
CO3	K3	3	2	1	-	-							
CO4	K2	2	1	-	-	-							
CO5	K2	2	1	-	-	-							

Course Outcomes (COs)	CO level	Program Specific Outcomes (PSOs)			
		PSO1	PSO2	PSO3	PSO4
PO level		K4	K3	K4	K2
CO1	K2	1	-	-	3
CO2	K2	1	-	-	3
CO3	K2	1	-	-	3
CO4	K2	1	-	-	3
CO5	K3	2	-	-	2

Coordinators



(L.Ramachandran(AP/ECE))



(K.K.Shandhosh Shree AP/ECE)

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VALUE ADDED COURSE online

on

CHALLENGES AND TRENDS IN EMBEDDED SYSTEM

(23.12.2020-28.12.2020)

ORGANIZED BY

Department of Electronics and Communication Engineering

Date: 21.12.2020

BUDGET SANCTION DETAILS

S.NO	PARTICULARS	AMOUNT SPENT (in Rs.)
01	Resource person honorarium	7,000/-
	TOTAL	7,000/-

Coordinators

(L.Ramachandran(AP/ECE)

(Ms.K.K.Shandhosh Shree AP/ECE)

HoD

(Dr. B. PADMANABAN)

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Recommendation for further actions based on feedback and attainment calculation

1. As we got very good feedback in topic coverage and relevance of this course, further more we can arrange more relevant and current trend topics
2. Since Objective of the value added course is clearly defined and quality of delivered content is very good, we will arrange more seminars with same resource person
3. Value added course material is useful but need more clear and in depth concepts we will make more easy materials for understanding and future reference
4. Due to reach of Expected level in program, we will keep arranging similar programs
5. From the students feedback of welcoming , this programme can be conducted for upcoming batch students.

Coordinators

(L.Ramachandran)

K.K. Shandhosh shree

(Ms.K.K.Shandhosh shree)

ATTESTED

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VALUE ADDED COURSE online

on

CHALLENGES AND TRENDS IN EMBEDDED SYSTEMS

(23.12.2020-28.12.2020)

ORGANIZED BY

Department of Electronics and Communication Engineering

PARTICIPATION NAME LIST

Sl.no	NAME OF PARTICIPANT	COLLEGE NAME
1	AARTHI T	E.G.S PILLAY ENGINEERING COLLEGE
2	ABARNA K	E.G.S PILLAY ENGINEERING COLLEGE
3	ABDUL RAASHID J	E.G.S PILLAY ENGINEERING COLLEGE
4	ABINAYA S	E.G.S PILLAY ENGINEERING COLLEGE
5	ABISHEK J	E.G.S PILLAY ENGINEERING COLLEGE
6	ADHIRAI V	E.G.S PILLAY ENGINEERING COLLEGE
7	AISHWARYA R	E.G.S PILLAY ENGINEERING COLLEGE
8	ANISHA K	E.G.S PILLAY ENGINEERING COLLEGE
9	ARAVIND J	E.G.S PILLAY ENGINEERING COLLEGE
10	ARULMARY A	E.G.S PILLAY ENGINEERING COLLEGE
11	BHARANIDHARAN V	E.G.S PILLAY ENGINEERING COLLEGE
12	BHUVANESHWARI K	E.G.S PILLAY ENGINEERING COLLEGE
13	BHUVANESHWARI N	E.G.S PILLAY ENGINEERING COLLEGE
14	DEVA T	E.G.S PILLAY ENGINEERING COLLEGE
15	DHANUSH R	E.G.S PILLAY ENGINEERING COLLEGE
16	DHARANI S	E.G.S PILLAY ENGINEERING COLLEGE
17	DHAYANITHI M	E.G.S PILLAY ENGINEERING COLLEGE
18	DIVYADHARSHINI N	E.G.S PILLAY ENGINEERING COLLEGE
19	ELANGAVI E	E.G.S PILLAY ENGINEERING COLLEGE
20	GOBINATH M	E.G.S PILLAY ENGINEERING COLLEGE
21	HARIDHARANI G	E.G.S PILLAY ENGINEERING COLLEGE
22	HARIHARAN V	E.G.S PILLAY ENGINEERING COLLEGE
23	IMRAN KHAN J	E.G.S PILLAY ENGINEERING COLLEGE
24	IRSATH HASAN S	E.G.S PILLAY ENGINEERING COLLEGE
25	JANA T	E.G.S PILLAY ENGINEERING COLLEGE
26	KALAIVANI E	E.G.S PILLAY ENGINEERING COLLEGE
27	KALIFA KADHAR S	E.G.S PILLAY ENGINEERING COLLEGE
28	KAMALESH J	E.G.S PILLAY ENGINEERING COLLEGE
29	KANNAN A	E.G.S PILLAY ENGINEERING COLLEGE
30	KAVIPRIYA K	E.G.S PILLAY ENGINEERING COLLEGE
31	KAVIVENIL U	E.G.S PILLAY ENGINEERING COLLEGE
32	KAVIYA K	E.G.S PILLAY ENGINEERING COLLEGE
33	KAVIYARASAN R	E.G.S PILLAY ENGINEERING COLLEGE

ATTESTED

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34	KEERTHANA S	E.G.S PILLAY ENGINEERING COLLEGE
35	KESAVAN M	E.G.S PILLAY ENGINEERING COLLEGE
36	KISHORE B	E.G.S PILLAY ENGINEERING COLLEGE
37	KISHORE S	E.G.S PILLAY ENGINEERING COLLEGE
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(Mr.S.Senthil kumar, A/P(ECE))



(Ms.K.K.Shandhosh Shree AP/ECE)

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(Dr. B. PADMANABAN)



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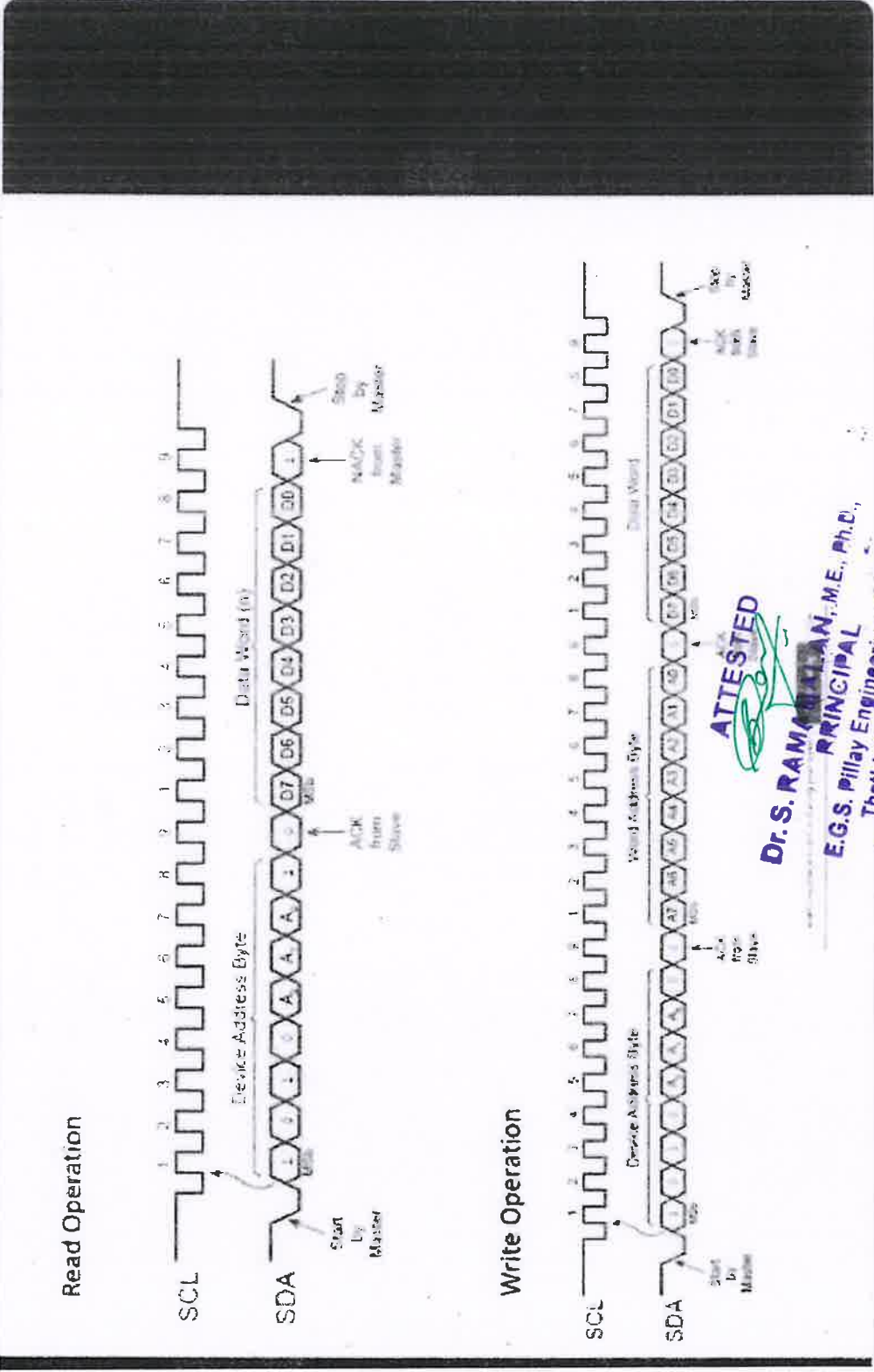
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING

CERTIFICATE OF PARTICIPATION

Mr/ Ms **JANA.T** His/Her attended the FIVE DAYS VALUE ADDED COURSE ON
“CHALLENGES AND TRENDS IN EMBEDDED SYSTEMS ” as conducted by the
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