



# EXCEL ENGINEERING COLLEGE

(Autonomous)

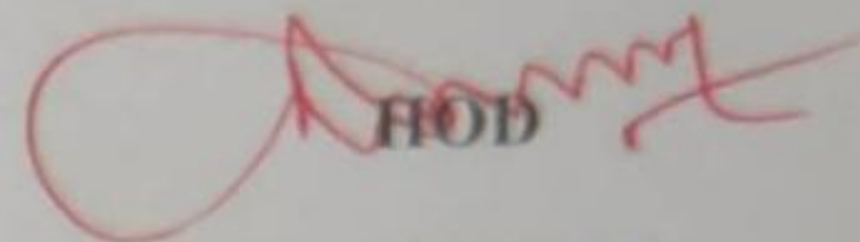
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

Accredited by NBA and NAAC with "A+"

KOMARAPALAYAM - 637303

S.No	Criteria Indication
1	1.3.2 Number of Value Added Courses imparting transferable and life skills offered during this year
2	1.3.3 Average percentage of students enrolled

IQAC

 HOD

HEAD OF THE DEPARTMENT  
Electronics And Communication Engineering  
Excel Engineering College  
Komarapalayam - 637 303.



Requisition Letter

30.04.2021

From

M.Ramya

Assistant professor

Department of Electronics and Communication Engineering

Excel Engineering College

Komarapalyam-637303

To

The Principal

Excel Engineering College

Komarapalyam-637303

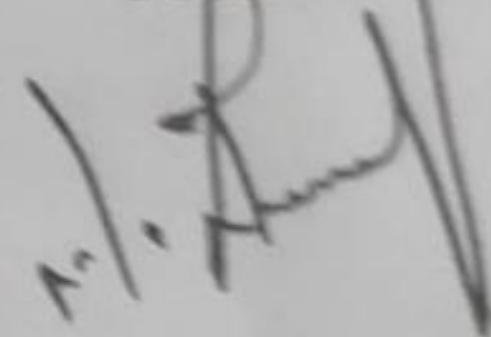
Respected Sir,

**Sub: Seeking permission to conduct Value added Course on Programming for ARM Based Embedded System Design - Reg.**

As we are planning to conduct the Certificate Course in "Programming for Arm Based Embedded System Design Embedded Systems" by our for our department students. This program will be very much useful for the students to enhance their knowledge and understandability. So kindly give permission to conduct the program.

Thanking You

Yours Faithfully

  
HOD/ECE

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Komarapalayam - 637 303





**EXCEL ENGINEERING COLLEGE**  
**(AUTONOMOUS)**

**KUMARAPALAYAM – 637 303**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

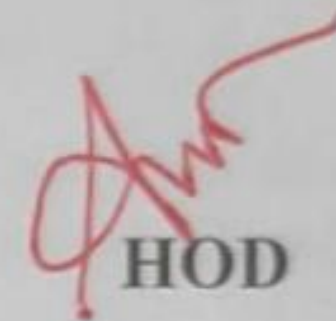
**Academic Year: 2020-21**

**Date: 05.05.2021**

**Ref: EEC/ECE/ 2020-21/12**

**Circular**

It is informed that there will be a certificate course to our Students in “**Programming for Arm Based Embedded System Design Embedded Systems**” From 8.05.2021, 15.05.2021 & 22.05.2021 (3 Days) at 10.00 am for our department students through online Google Meet. All the students are requested to utilize this opportunity.



**HOD**

**To:**

1. Department Notice Board
2. Circulated to all student members

**HEAD OF THE DEPARTMENT**  
Electronics And Communication Engineering  
Excel Engineering College  
Kumarapalayam - 637 303.

**Copy to.**

1. Circulated to all faculty members
2. Principal
3. File





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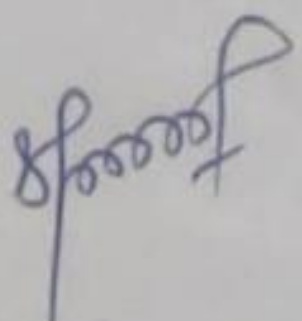
### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

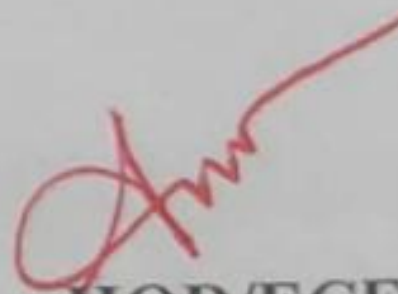
#### Value Added Courses

##### Schedule Details

Online Google Meet: <https://meet.google.com/pxr-nzmg-ogw>

Date	Session 1 (10.00 am to 12 pm)	Session II (2.00 pm to 4.00pm)
08.05.2021 (Monday)	<b>FDP Inaguration &amp; Introduction of ARM Processor</b> Dr.D.Sivaraj Assistant Professor PSG College of Technology Coimbatore	<b>ARM Model Development with Hardware Module</b> S.Satheeshkumar Assistant Professor /ECE Excel Engineering College
15.05.2021 (Tuesday)	<b>ARM Assembly Language Programming Basics</b> Mrs M.Ramya Assistant Professor /ECE Excel Engineering College	<b>Startup Sequence and ARM Based Hardware Consideration</b> S.Satheeshkumar Assistant Professor /ECE Excel Engineering College
22.5.2021 (Wednesday)	<b>Introduction to Debug Tools for ARM Based Systems</b> S.Satheeshkumar Assistant Professor /ECE Excel Engineering College	<b>ARM on virtual machine</b> Mrs M.Ramya Assistant Professor /ECE Excel Engineering College

  
CO-ORDINATOR

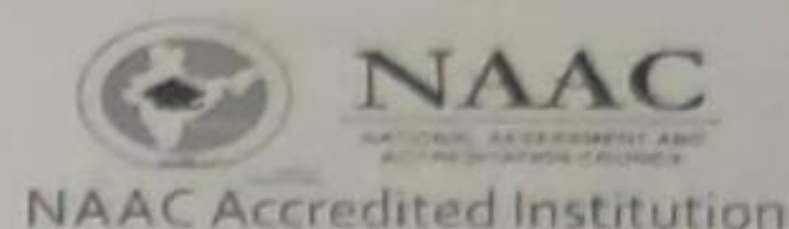
  
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**INVITATION**

Solicit your gracious presence on the occasion of

**"Value Added Courses"**

on

**"Programming for Arm Based Embedded System Design"**

On ~~8.05.2021~~ @ 10.00 AM in Google Meet

**Prof. Dr.A.K.NATESAN**

Hon.Chairman, Excel Group Institutions

has kindly consented to inaugurate the occasion and  
deliver the Inaugural address

**Dr.D.Sivaraj**

Assistant Professor

PSG College of Technology Coimbatore

has kindly consented to be the Chief Guest and  
deliver the Chief Guest Address

**Dr.N.MATHAN KARTHICK**

Vice Chairman, Excel Group Institutions

has kindly consented to felicitate gathering

**Dr.R.NALLUSAMY**

Director-Administration

has kindly consented to preside over the function

In the presence of

**Prof. Dr.K.Bommanna Raja**

Principal, Excel Engineering College

**Dr.S.Anbukaruppusamy**

HOD/ECE



## AGENDA

DATE: 08.05.2021

VENUE: Kandhasamy HALL

TIME: 10.00 AM

Welcome Address

: **Dr.S.Anbukarrupusamy**

HOD/ECE, Excel Engineering College

Presidential Address

: **Dr. K.Bommana Raja**

Principal, Excel Engineering College

Honoring the Chief Guest and felicitation

: **Dr. N. Mathan Karthick**

Vice Chairman, Excel Group Institutions

Special Address

: **Prof. Dr. A.K. Natesan**

Hon. Chairman, Excel Group Institutions

Introduction of Chief Guest

: **Mrs.M.Ramya**

Assistant Professor/ECE

Chief Guest Address

: **Dr.D.Sivaraj**

Assistant Professor

PSG College of Technology Coimbatore

Vote of Thanks

: **S.Satheeshkumar**

AP/ECE





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## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### Budget Form

#### VAC

S. No	Purpose	Proposed Revenue	Expected Revenue	Remarks
1	Guest Remuneration	5000	5000	
Total Amount			5000	

*[Signature]*  
Staff Coordinator

*[Signature]*  
Association Coordinator

*[Signature]*  
HOD

Copy To,

1. Circulated to all Faculty Members
2. File



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Electronics And Communication Engineering  
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EXCEL ENGINEERING COLLEGE(AUTONOMOUS)  
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING  
CERTIFICATE COURSE PROGRAM  
STUDENT NAME LIST

YEAR/SEM:III/V

YEAR : 2020-21

COURSE NAME:PROGRAMMING ON ARM BASED EMBEDDED SYSTEM DESIGN

S NO	ROLL NO.	REG NO	NAME OF STUDENT	SIGNATURE
1	18EC002	730918106002	ABINAYA K	Abinaya K.
2	18EC004	730918106004	ALWIN DHINAKARAN I	Alwin Dhinakaran
3	18EC005	730918106005	AMBIKA C	Ambika C.
4	18EC008	730918106008	BALACHANDHIRAN V L	Balan Chandran
5	18EC009	730918106009	BHARANI S	Bharani S.
6	18EC010	730918106010	BHARATHI V	Bharathi V.
7	18EC011	730918106011	BHUVANESHWARI S	Bhuvaneshwari S.
8	18EC012	730918106012	BOOPATHI M	Boopathi M.
9	18EC013	730918106013	CHATHRU KANNAN V	Chathru Kannan
10	18EC014	730918106014	DEEPA K	Deepa K.
11	18EC016	730918106016	DEEPIKA V	V. Deepika
12	18EC017	730918106017	DHARANEESWARAN R	Dharaneesh R.
13	18EC019	730918106019	GAYATHRI L	G. Gayathri
14	18EC020	730918106020	GOKULAPRIYA V	Gokulapriya V.
15	18EC021	730918106021	GOKULRAM G	Gokulram G.
16	18EC022	730918106022	GOWHERJAN J	Gowherjan J.
17	18EC023	730918106023	HARI HARAN C	Hari Haran C.
18	18EC025	730918106025	ISMAIL	Ismail
19	18EC026	730918106026	JAYA M	Jaya M.
20	18EC027	730918106027	JOTHIGA M	Jothika M.
21	18EC029	730918106029	KARTHIK RAJ S	Karthikraj S.
22	18EC030	730918106030	KAVIPRIYA K	Kavipriya K.
23	18EC031	730918106031	KAVITHA M	Kavitha M.
24	18EC033	730918106033	MADHESWARI C	Madheswari C.
25	18EC034	730918106034	MADHUMATHI V	Madhumathi V.
26	18EC035	730918106035	MAHALAKSHMI S	Mahalakshmi S.
27	18EC036	730918106036	MAHESWARAN V	Maheswaran V.
28	18EC037	730918106037	MANIKANDAN J	Manikandan J.
29	18EC038	730918106038	MANJU A	Manju A.
30	18EC039	730918106039	MANOJ KUMAR M	Manoj Kumar M.
31	18EC040	730918106040	MARUDU V	Marudu V.
32	18EC041	730918106041	MAYURIKA P	Mayurika P.
33	18EC042	730918106042	MEENA M	Meena M.
34	18EC043	730918106044	MOHAN KUMAR B	Mohan Kumar B.
35	18EC044	730918106043	MOHANAPRIYA C	Mohanapriya C.
36	18EC047	730918106047	NAGARAJAN R	Nagarajan R.



S NO	ROLL NO.	REG NO	NAME OF STUDENT	SIGNATURE
37	18EC050	730918106049	NAVEEN KUMAR B	Naveen Kumar B
38	18EC051	730918106050	NAVEEN A	Naveen A
39	18EC052	730918106052	NIKITHA P	NIKITHA P
40	18EC053	730918106053	PARKAVLS	Parkavi S
41	18EC054	730918106054	PAVITHRA A	Pavithra A
42	18EC056	730918106056	PRANESH S	Pranesh S
43	18EC058	730918106058	PRIYADHARSHINI M	Priya Dharshini M
44	18EC060	730918106060	RAGUL M	Ragul M
45	18EC061	730918106061	RAMACHANDRAN M	Ramachandran M
46	18EC062	730918106062	RAMESH A	Ramesh A
47	18EC063	730918106063	RAMYA N	Ramya N
48	18EC064	730918106064	SAKTHIVEL R	Sakthivel R
49	18EC066	730918106066	SARANYA S	Saranya S
50	18EC069	730918106069	SASIKALA M	Sasikala M
51	18EC071	730918106071	SHAFEEER MOHAMED I	Shafeer Mohamed I
52	18EC072	730918106072	SHALINI B	Shalini B
53	18EC073	730918106073	SHARUMATHI G	Sharumathi G
54	18EC074	730918106074	SIVAPAVINA J	Sivapavina J
55	18EC076	730918106076	SOWMIYA M	Sowmiya M
56	18EC077	730918106077	SURYA A	Surya A
57	18EC080	730918106080	UMA MAHESWARI A	Uma Maheswari A
58	18EC081	730918106081	VANA BHARATH S	Vana Bharath S
59	18EC082	730918106082	VASANTH A	Vasanth A
60	18EC083	730918106083	VIJAYAKUMAR M	Vijayakumar M
61	18EC086	730918106086	YAMUNA S	Yamuna S
62	18LEC093	730918106303	RESHMA PRASAD	Reshma Prasad
63	18ETEC002	730918106701	BUENIKA C	Buenika C
64	18TREC088	730918106702	DINESH KUMAR P	Dinesh Kumar P
65	18ETEC005	730918106703	MANJU M	Manju M
66	18ETEC004	730918106705	MADHU BALA R	Madhu Bala R
67	18ETEC001	730918106707	AJAY KUMAR R	Ajay Kumar R
68	18ETEC006	730918106708	SRI VISHNU KUMAR S	Sri Vishnu Kumar S
69	18TREC090	730918106709	SUBASH S	Subash S

PROGRAM CO-ORDINATOR

HOD

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### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING SYLLABUS

#### Value Added Course Programming for Arm Based Embedded System Design

##### **ARM Embedded Systems and ARM Processor Fundamentals**

The RISC design philosophy, ARM design philosophy, embedded system hardware- AMBA bus protocol, embedded system software- applications.

##### **ARM Instruction Set**

Fundamentals of ARM instructions, Barrel shifter, Classification and explanation of instructions with examples-Data processing, Branch, Load-store, SWI and Program Status Register instruction.

##### **Introduction to THUMB and ARM Programming**

Introduction to THUMB, Differences between ARM and THUMB, Register usage in Thumb, ARM Thumb Interworking. General Structure of ARM assembly module, Assembler directives-, DATA. Simple ALP programs on Arithmetic & logical operations, Factorial, string operation, sorting, searching, and Scan

##### **Exception and Interrupt handling schemes**

Exception handling- ARM processor exceptions and modes, vector table, exception priorities, link register offsets. Interrupts- assigning interrupts, interrupt latency

##### **LPC2148 ARM CPU**

LPC 2148 - Salient features, applications, block diagram, memory mapping. Functional features of Interrupt controller, RTC, USB, UART, I2C, SPI, SSP controllers, watch dog timers and other system control units.

**Total Hours: 20Hours**

##### **TEXT BOOK:**

1. ARM System-on-chip Architecture by Steve Furber, Pearson Education, ISBN978-81- 317-0840-8, 2E, 2012

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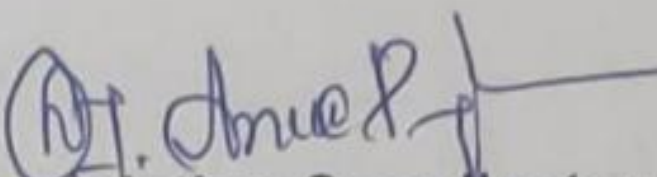
## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

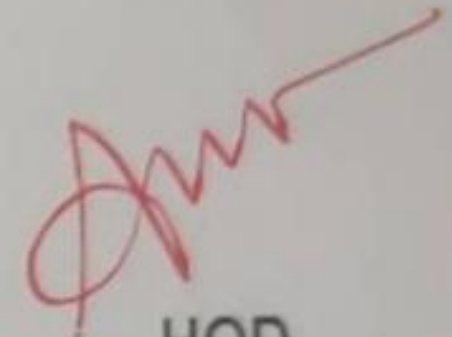
### Expenditure Form

VAC

S. No	Purpose	Bill No/ Voucher No	Amount	Remarks
1	Guest Remuneration		5000	
Total Amount			5000	

  
Staff Coordinator

  
Association Coordinator

  
HOD

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING  
FEEDBACK FOR CERTIFICATE PROGRAM

YEAR/SEM:III/V

YEAR : 2020-21

S.NO	NAME OF THE STUDENT	ROLL NO.	RATE OF THE SESSION	TIME MANAGEMENT	DELIVERY OF LECTURE	COURSE CONTENT	OVERALL SESSION	DO YOU LIKE THIS TYPE OF WEBINAR IN FUTURE	OTHER REMARKS
1	ABINAYA K	18EC002	GOOD	GOOD	GOOD	GOOD	GOOD	YES	GOOD
2	ALWIN DHINAKARAN I	18EC004	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	YES	-
3	AMBIKA C	18EC005	GOOD	GOOD	GOOD	GOOD	GOOD	YES	-
4	BALACHANDHIRAN V L	18EC008	GOOD	EXCELLENT	GOOD	EXCELLENT	EXCELLENT	YES	-
5	BHARANI S	18EC009	GOOD	GOOD	GOOD	GOOD	GOOD	YES	-
6	BHARATHI V	18EC010	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	YES	-
7	BHUVANESHWARI S	18EC011	GOOD	GOOD	GOOD	GOOD	GOOD	YES	NO COMMENTS
8	BOOPATHI M	18EC012	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	YES	-
9	CHATHRU KANNAN V	18EC013	GOOD	GOOD	GOOD	GOOD	GOOD	YES	-
10	DEEPA K	18EC014	GOOD	GOOD	GOOD	GOOD	EXCELLENT	YES	-
11	DEEPIKA V	18EC016	GOOD	GOOD	GOOD	GOOD	GOOD	YES	-
12	DHARANEESWARAN R	18EC017	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	YES	-
13	GAYATHRI L	18EC019	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	YES	GOOD
14	GOKULAPRIYA V	18EC020	EXCELLENT	GOOD	GOOD	EXCELLENT	EXCELLENT	YES	NO
15	GOKULRAM G	18EC021	GOOD	EXCELLENT	EXCELLENT	GOOD	GOOD	YES	-
16	GOWHERJAN J	18EC022	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	YES	-
17	HARI HARAN C	18EC023	GOOD	GOOD	GOOD	EXCELLENT	EXCELLENT	YES	-
18	ISMAIL	18EC025	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	GOOD	YES	-
19	JAYA M	18EC026	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	YES	NO
20	JOTHIGA M	18EC027	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	YES	-
21	KARTHIK RAJ S	18EC029	GOOD	GOOD	GOOD	GOOD	GOOD	YES	-
22	KAVIPRIYA K	18EC030	EXCELLENT	EXCELLENT	GOOD	EXCELLENT	GOOD	YES	-
23	KAVITHA M	18EC031	GOOD	GOOD	GOOD	GOOD	EXCELLENT	YES	-
24	MADHESWAR L C	18EC033	GOOD	GOOD	EXCELLENT	GOOD	GOOD	YES	GOOD
25	MADHUMATHI V	18EC034	EXCELLENT	EXCELLENT	GOOD	EXCELLENT	EXCELLENT	YES	-
26	MAHALAKSHMI S	18EC035	GOOD	GOOD	GOOD	GOOD	GOOD	YES	-
27	MAHESWARAN V	18EC036	GOOD	GOOD	EXCELLENT	GOOD	GOOD	YES	-
28	MANIKANDAN J	18EC037	GOOD	EXCELLENT	GOOD	EXCELLENT	EXCELLENT	YES	-
29	MANJU A	18EC038	EXCELLENT	GOOD	GOOD	GOOD	GOOD	YES	-
30	MANOJ KUMAR M	18EC039	GOOD	GOOD	GOOD	GOOD	GOOD	YES	-
31	MARUDU V	18EC040	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	YES	-
32	MAYURIKA P	18EC041	EXCELLENT	GOOD	GOOD	GOOD	GOOD	YES	-
33	MEENA M	18EC042	GOOD	GOOD	GOOD	GOOD	GOOD	YES	-
34	MOHAN KUMAR B	18EC043	EXCELLENT	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	YES	-
35	MOHANAPRIYA C	18EC044	GOOD	EXCELLENT	GOOD	GOOD	GOOD	YES	-
36	NAGARAJAN R	18EC047	GOOD	GOOD	GOOD	EXCELLENT	EXCELLENT	YES	-
37	NAVEEN KUMAR B	18EC050	EXCELLENT	GOOD	GOOD	GOOD	GOOD	YES	GOOD
38	NAVEEN A	18EC051	GOOD	EXCELLENT	GOOD	GOOD	GOOD	YES	-
39	NIKITHA P	18EC052	EXCELLENT	GOOD	GOOD	EXCELLENT	EXCELLENT	YES	-
40	PARKAVI S	18EC053	GOOD	GOOD	GOOD	GOOD	GOOD	YES	-
41	PAVITHRA A	18EC054	GOOD	GOOD	GOOD	GOOD	GOOD	YES	-
42	PRANESH S	18EC056	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	YES	-
43	PRIYADHARSHINI M	18EC058	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	YES	-
44	RAGUL M	18EC060	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	GOOD	YES	NO
45	RAMACHANDRAN M	18EC061	EXCELLENT	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	YES	-



46	RAMESH A	18EC062	GOOD	EXCELLENT	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	YES	-
47	RAMYA N	18EC063	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	YES	-
48	SAKTHIVEL R	18EC064	EXCELLENT	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	YES	-
49	SARANYA S	18EC066	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	YES	-
50	SASIKALA M	18EC069	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	YES	NO
51	SHAFER MOHAMED I	18EC071	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	YES	-
52	SHALINI B	18EC072	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	YES	-
53	SHARUMATHI G	18EC073	EXCELLENT	EXCELLENT	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	YES	-
54	SIVAPAVINA J	18EC074	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	YES	-
55	SOWMIYA M	18EC076	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	YES	-
56	SURYA A	18EC077	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	YES	-
57	UMA MAHESWARI A	18EC080	GOOD	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	YES	GOOD
58	VANA BHARATH S	18EC081	EXCELLENT	EXCELLENT	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	YES	-
59	VASANTH A	18EC082	GOOD	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	YES	-
60	VIJAYAKUMAR M	18EC083	EXCELLENT	GOOD	GOOD	GOOD	GOOD	EXCELLENT	EXCELLENT	YES	-
61	YAMUNA S	18EC086	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	YES	-
62	RESHMA PRASAD	18EC093	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	YES	-
63	BUENIKA C	18ETEC002	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	YES	-
64	DINESH KUMAR P	18TRC088	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	YES	-
65	MANJU M	18ETEC005	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	YES	-
66	MADHU BALA R	18ETEC004	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	YES	-
67	AJAY KUMAR R	18ETEC001	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	YES	-
68	SRI VISHNU KUMAR S	18ETEC006	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	YES	-
69	SUBASH S	18TRC090	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	YES	-

10. *[Signature]*  
2- *[Signature]*  
PROGRAM CO-ORDINATOR

*[Signature]*  
HOD

HEAD OF THE DEPARTMENT  
Electronics And Communication Engineering  
Excel Engineering College  
Komalapalayam - 637 303.



Sample Certificate for Organized Faculty

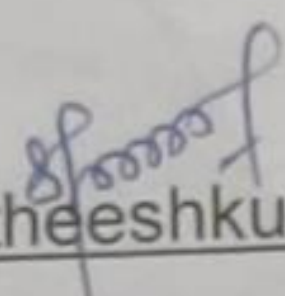


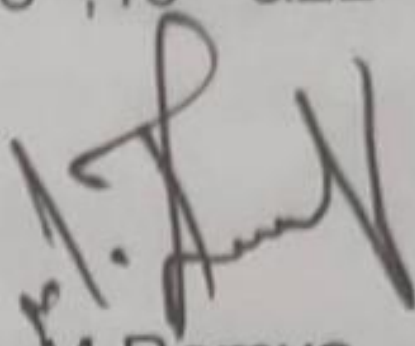
**EXCEL ENGINEERING COLLEGE**  
**(Autonomous)**  
**KOMARAPALAYAM – 637303**

**CERTIFICATE OF PARTICIPATION**

**This Certificate is proudly presented to**

S.SATHEESHKUMAR AP/ECE has participated online value added course on ARM Based Embedded System Design jointly organized by Department of Electronics and Communication Engineering from May 8<sup>th</sup>, 15<sup>th</sup> & 22<sup>nd</sup>, 2021.

  
S.Satheeshkumar  
coordinator

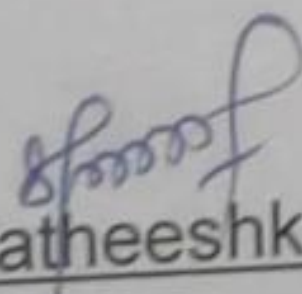
  
M. Ramya  
coordinator

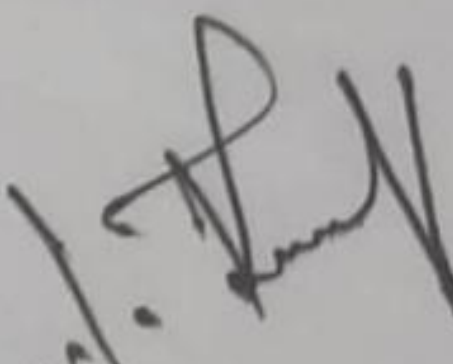
Dr.S.Anbukaruppusamy  
HOD/ECE

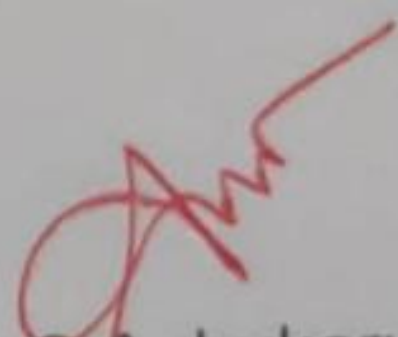
Sample Certificate for Organized Faculty

**This Certificate is proudly presented to**

Ismail III Year has participated online value added course on ARM Based Embedded System Design jointly organized by Department of Electronics and Communication Engineering from May 8<sup>th</sup>, 15<sup>th</sup> & 22<sup>nd</sup>, 2021.

  
S.Satheeshkumar  
Coordinator

  
M. Ramya  
Coordinator

  
Dr.S.Anbukaruppusamy  
HOD/ECE

**HEAD OF THE DEPARTMENT**  
Electronics And Communication Engineering  
Excel Engineering College  
Komarapalayam - 637 303.





# EXCEL ENGINEERING COLLEGE

## CERTIFICATE OF PARTICIPATON

This Certificate is Proudly Presented to

A.DEVASHREE,II year has participated Online Value added course on **Electronic Tinkercad** jointly organized by Department of Electronics and Communication Engineering From May 8th,15th,22nd, 2021

Mrs A AnithaRani

Coordinator

Mr M Ramesh

ator

Dr.S.Anbukaruppusamy

HOD/ECE

2020 - 21  
VALUE ADDED COU





## EXCEL ENGINEERING COLLEGE (Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai  
Accredited by NBA, NAAC with "A+" and Recognised by UGC (2f & 12B)  
KOMARAPALAYAM – 637303



### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

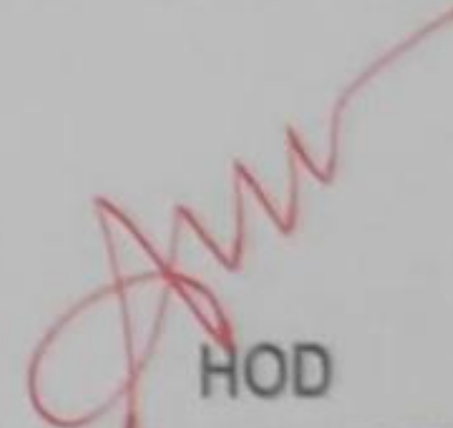
#### Value Added Course

#### Summary Report

Value Added Course on "Programming for ARM based Embedded System Design" for ECE students was held on 08.05.2021, 15.05.2021 & 22.05.2021. The VAC event has been organized by the department of ECE to provide the students with an opportunity to get a theoretical knowledge on Embedded System. The event began with welcome address by the Head of the Department, ECE. The session was then continued by Dr.V.Sivaraj, Assistant Professor, PSG College of Technology, Coimbatore who began starts his course with an introduction on ARM model Development with Hardware module. Following which, he shed light on the various fields of Embedded system with the real time applications such as Industrial automation, medical fields, etc. The session ended with hearty thanks and presenting of a memento in appreciation for taking the time out to educate the students on programme core. The speaker thanked the Management for providing the platform to organize Value Added Course for the budding engineering talents. He appreciated the student discipline and the way in which they cooperate on whole for the successful conduct

  
Staff Coordinator

  
Association Coordinator  


  
HOD  
HEAD OF THE DEPARTMENT  
Electronics And Communication Engineering  
Excel Engineering College  
Komarapalayam - 637 303.