



MALLA REDDY ENGINEERING COLLEGE (AUTONOMOUS)
(UGC Autonomous Institution, Affiliated to JNTUH, Accredited 2nd time by NAAC with 'A' Grade &
NBA and Recipient of World Bank Assistance under TEQIP--II S.C. 1.1)
Maisammaguda (H), Medchal-Malkajgiri District, Telangana State – 500100

Department of Electronics and Communication Engineering

CIRCULAR

Date: 04.03.2023

All the students are hereby informed that value added courses on “**Arm**” from 14/03/2023 to 18/03/2023 is being organized by the Department of Electronics and Communication Engineering. The resource person for this course is Mr. Suman, ECE, MREC Hyderabad. Students are advised to register their names to the programme coordinator on or before 06/03/2023 and utilize this opportunity to enhance their skills by attending the programme.

The detailed program will be displayed in notice board

Copy to

- 1) Circulation in students classroom
- 2) All HOD's
- 3) Notice board
- 4) PA to principal for filing


HOD, ECE
Head, Dept. of ECE
Malla Reddy Engg. College
Maisammaguda, Dhullapally,
Secunderbad-500100


PRINCIPAL
Principal
Malla Reddy Engineering College
Maisammaguda, Dhullapally,
(Post Via Kompally), Sec'bad-500100.

About the Institution

Malla Reddy Engineering College (Autonomous) is one of the reputed engineering colleges in Hyderabad, Telangana established in 2002. **MREC (A)** is part of Malla Reddy Group of Institutions (MRGI), founded by Sri. Ch. Malla Reddy Gaaru, currently Hon'ble Minister of Labor & Employment, Factories, Govt. of Telangana State. The college is situated in a serene, lushgreen environment in Maisammaguda, Gundlapochampally, Medchal (M), Medcha I- Malkajgiri District Telangana-500100.

MREC (A) is skillfully and smartly guided by **Dr. A. Ramaswami Reddy, Principal, MREC (A)** which is affiliated to JNTUH and an autonomous institution approved by UGC & JNTU Hyderabad first in Telangana state in 2014 for a period of 6 years from 2014-2020. The college is re-accredited by NAAC with 'A' Grade (II Cycle). Our eligible UG and PG programs received NBA accreditation twice. The college caters to wide ranging aspirations and goals of student communities by offering regular programs in various streams of Engineering and Management.

It provides world-class infrastructure facilities like RnD, Incubation Centre, EDC, IIIC, IPR, Start ups, Centre of Excellence, Innovation Council, many clubs for Faculty & Students and well-equipped laboratories in all departments

MREC (A) has more than 100 doctorates with good Research work.

Advisory Committee:

Chief Patrons: **Sri. Ch. Malla Reddy, Minister-Telangana State-India.**
Founder Chairman,
Malla Reddy Group of Institutions.

Patrons: **Sri.Ch. Mahender Reddy.**
Secretary, MRGI.
Dr.Ch.Bhadra Reddy,
President, MRGI.

Co-Patrons: **Dr. A. Ramaswami Reddy**
Principal, MREC (A).

Convener: **M. Jagdeesh Chandra Prasad**
HOD ECE.

Co-ordinator: **Dr. Syed Jalal Ahmad,**
Assoc. Professor, ECE.

Organizing Committee:

Dr.G.S.K.Gayathri Devi, Assoc. Prof., ECE.
Mr G Prasanna Kumar Assoc . Prof., ECE.
Dr. M.Nithin Varma Asst.Prof.,ECE
Mrs.C.Silpa, Assoc. Prof., ECE.
Dr A Pradeep Kumar,, Assoc. Prof., ECE
Dr T Srinivas Reddy, Assoc. Prof., ECE.
Mr. J. Sunil Kumar,Asst.Prof.,ECE
Mr.Vutkuri Srinivas, Asst.Prof.,ECE
Mr. M.Kranthi Kumar, Asst.Prof.,ECE
Mrs. G.Jyothi,Asst.Prof.,ECE

5-days Value Added Course

on

" Arm "

From 14th to 18th March 2023



Organized by

Department of

Electronics and Communication Engineering

MALLA REDDY ENGINEERING COLLEGE

(AUTONOMOUS) MAIN CAMPUS

An UGC Autonomous Institution, Approved by
AICTE & Affiliated to JNTUH-Hyderabad
Reaccredited by NAAC with 'A++' Grade (III Cycle)

Maisammaguda(H), Gundlapochampally (V),

Medchal (M), Medchal - Malkajgiri District

Telangana - 500100, India.

About the Department:

The Department of Electronics and Communication Engineering at MREC has been producing high quality technical manpower needed by industry, R&D organizations, and academic institutions since 2002 with an Intake of 60. The intake has been increased to 120 in the year 2004-05 and 180 in the year 2013-14. The Department also offering PG Program **VLSI and Embedded Systems**. The department UG Program was accredited by NBA in 2008 and Re-accredited in 2014 and 2018.

Electronics and Communication Engineering department is now headed by **Dr. M. Jagdeesh Chandra Prasad** Department maintaining 1:15 student faculty ratio with enough faculty retention. Total 30% of doctorates available in the department. Faculty Publications are 150, Patents-5, sanctioned UGC Minor Project, AICTE (AQIS) sponsored MODROB & FDP and Consultancy projects-4. Applied projects for research grants under AQIS, CRG.

Many of our students are placed in reputed companies like INFOSYS, IBM, AMAZON, Tech-Mahindra, TCS, COGNIZANT and many more. Apart from teaching department also provides technical guidelines for the benefits of students by organizing short-term courses, certificate oriented training, seminars, Guest lectures, workshops, national and international conferences.

About Workshop

PROGRAMME OBJECTIVE The ARM Cortex-M processor family controllers is a range of scalable and compatible, energy efficient, easy to use processors designed to help embedded system developers. Major product and service companies from automotive, consumer electronics, industrial electronics, and medical devices sector are extensively using microcontrollers from range of vendors like ST Microelectronics, Renesas, NXP Semiconductors, infineon, etc. Hence, it is expected that embedded engineers should be flexible enough to adapt for any microcontroller within short span of time. To develop these demanding skills, we offer this workshop with blend of software and hardware development concepts for Embedded System Design. Moreover, hands on experience, SW/HW debugging techniques, and real-time demonstrations are key focus of this workshop.

PROGRAMME CONTENTS

- ❖ Cortex-M4 Architecture
- ❖ ARM Programming in STMCube IDE
- ❖ GPIO Programming, Interrupts and DMA Programming
- ❖ ADC & Data Acquisition, Real-time DSP
- ❖ Communication Protocols, Demonstrations

Registration Form

5-days Value Added Course

on

" ARM "

From 14th to 18th March 2023

Name: _____

Roll Number _____

Department: _____

Organization: _____

Address: _____

Mobile No: _____

E-mail ID: _____

Signature of the Candidate: _____

OR

Interested students are can register using below link

<https://forms.gle/M91WTujRUdPknvPq5>

Note: Certificate will be provided for the participants on feedback submission, 80% attendance.

Registration Fee:

1000 Rs registration fee will be charged for attending this programme.



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Maisammaguda (H), Medchal-Malkajgiri District, Telangana State – 500100

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING


Value Added Course
on
“Arm”

14th -18th Mar 2023
Programme Schedule

Date	Time	Topic	Resource Person
14.03.2023	9:30 – 4.00 pm	Cortex-M4 Architecture	Mr. Suman
15.03.2023	9:30 – 4.00 pm	ARM Programming in STMCubeIDE	Mr. Suman
16.03.2023	9:30 – 4.00 pm	GPIO Programming, Interrupts and DMA Programming	Mr. Suman
17.03.2023	9:30 – 4.00 pm	ADC & Data Acquisition, Real-time DSP	Mr. Suman
18.03.2023	9:30 – 4.00 pm	Communication Protocols, Demonstrations	Mr. Suman


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		<p align="center">Course: M.Tech</p>
		<p align="center">Date: 14.03.2023 to 18.03.2023</p>

Department of Electronics and Communication Engineering


Academic Year 2022-2023


Name of the Value Added Course: ARM

List of Students enrolled for value added course

Sl. No.	Roll No.	Name	Year/Sem
1	21J41D6801	UJJELLI RAKESH REDDY	MTech II/I
2	21J41D6802	PONNA SNEHA	MTech II/II
3	21J41D6804	M. INDRANI SOWMYA	MTech II/II
4	21J41D6805	PAMPARI SRAVANTHI	MTech II/II
5	21J41D6809	KONATHAM MOUNIKA	MTech II/II
6	22J41D6801	ANKARLA N MANISH	MTech I/II
7	22J41D6802	BADANA ASHWIN PRIYA	MTech I/II
8	22J41D6803	KASTURI MALLIKA DEVI	MTech I/II
9	22J41D6804	MACHIKA ROHITH	MTech I/II
10	22J41D6805	THUMMA PAVAN KUMAR REDDY	MTech I/II


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		<p align="center">Course: M.Tech</p>
		<p align="center">Date: 14.03.2023 to 18.03.2023</p>

Department of Electronics and Communication Engineering


Academic Year 2022-2023

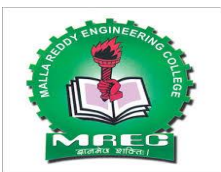
Name of the Value Added Course: ARM

List of Students Completed course

Sl. No.	Roll No.	Name	Course Completion (Yes/No)
1	21J41D6801	UJELLI RAKESH REDDY	YES
2	21J41D6802	PONNA SNEHA	NO
3	21J41D6804	M. INDRANI SOWMYA	YES
4	21J41D6805	PAMPARI SRAVANTHI	YES
5	21J41D6809	KONATHAM MOUNIKA	YES
6	22J41D6801	ANKARLA N MANISH	YES
7	22J41D6802	BADANA ASHWIN PRIYA	YES
8	22J41D6803	KASTURI MALLIKA DEVI	YES
9	22J41D6804	MACHIKA ROHITH	YES
10	22J41D6805	THUMMA PAVAN KUMAR REDDY	YES


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Maisammaguda (H), Medchal-Malkajgiri District, Telangana State – 500100

Department of Electronics and Communication Engineering

Date:18.03.2023

Report for value added course on

Arm

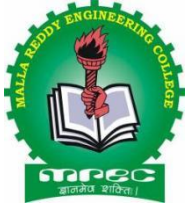
A Five days Arm programme was organized by the Department of Communication Engineering, and the event was coordinated by Dr. Syed Jalal Ahmad, Professor, ECE Department from 14th Mar. 2023 to 18th Mar. 2023 and 9 students were attended from M.Tech VLSI. The resource person for this course is Mr. Suman. The quality of life for the students are enhanced by introspect and learn techniques that imbibe ethics and moral to help the students for active and successful participation in a modern society, producing individuals of high character, probity, and honor.

After the training programme, the students learned the following:

- ❖ Cortex-M4 Architecture
- ❖ ARM Programming in STMCube IDE
- ❖ GPIO Programming, Interrupts and DMA Programming
- ❖ ADC & Data Acquisition, Real-time DSP
- ❖ Communication Protocols, Demonstrations


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Department of Electronics and Communication Engineering

Certificate of Completion

This is to certify that Mr./Ms. M Rohith bearing roll no. 22J41D6804 has successfully completed Value Added Course in “Arm” organized by Department of Electronics and Communication Engineering from 14/03/2023 to 18/03/2023.

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Principal MREC