## Registration form

Faculty Development Program
on

"Arm Microcontroller & Embedded System
Using Arm Cortex M"
11th - 15th December 2017

Name:

Designation:

Department:

Email-ID:

College:

Mobile No:

DD No.:

Date: Bank:

Accommodation: Yes/No

Date:

Place:

Signature of the Applicant

Signature of the Head of Department (with seal)

Organizing committee

Dr.HR Mahadevaswamy
Principal

HOD, ECE Department

### Co-ordinators

Mr. Sharath S M sst Prof, ECE Department

Asst Prof, ECE Department

Mrs. Shwetha H R

Asst Prof, ECE Department

Five Days
Faculty Development Program
on
Microcontroller & Embedded Sys
Using Arm Cortex M"

1-12-2017 to 15-12-2017





Dept. of Electronics & Communication Engg.
Jawaharlal Nehru National College of
Engineering
Shivamogga 577204, Karnataka

In Association with

The Institution of Electronics and Telecommunica tion Engineers, Shivamogga Center

#### About the College:

JINNICE was vey 2017 taka as per OUT Look -MDRA ranking surneering colleges in India the National Education Society. N. N. C. E is ranked 47th among is affiliated ters for technical education and lege is regarded as one of the excellent cen-M. Tech Program besides MBA University (VTU), Belgaum and by AICTE, New Delhi. It offers has 7 Research centers recognized by students and 400 faculty and staff. amenities to cater to the needs of Spread over 52 acres, the campus has all the consecutively ठ established in the year Visvesvaraya and Technological 8th and MCA. It 7 UG top The college research. J about 3500 recognized ın The 1980 by 75 Karna-VIU. and 7 engicol-

# About the Department:

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# About the Programme:

This Microcontroller & Embedded System Arm Cortex M" is being organized for crocontroller platform for faculties. days to provide hands on ARM cortex M3 mi-Faculty Development being organized for Program Using "Arm five

# Topics to be Covered: (As per VTU Syllabus)

- Basics on ARM-32 bit Microcontroller.
- ing. ARM Cortex M3 Instruction sets and Program-
- Embedded System Concepts and Components
- RTOS and IDE for Embedded system Design.
- Hands terfacing programs. MCB1760 board which includes usage ARM KIT. Installation of Keil sof downloading & execution of software and inon workshop with of ESA software, KEIL of 6.

#### Participation:

Faculty members the workshop. departments Engineering colleges can attend from ECE / TCE and HHH

## Registration details:

Rs. 1,000 along with the registration The registration form should reach the convener, fee of

tel /guest house. Accommodation will be provided in college hos-

"Shimoga" The registration drawn in the favor fee should be paid through DD or of "ISF, JNNCE", Payable at

For online registration: Account No.: 135210002734

IFSC:KKBK0008292

Address for Communication:

Mrs. Asst. Shwetha HR Prof.

Dept. of ECE,

JZ College of Engineering,

Cell: 7204443953

Email:shwethahr@mce.ac.m

Jamel

Mrs. Asst. Prema K.N. Prof.

JNZ Dept. College of Engineering

of ECE

Cell 8277324422

Email: premakn@jnnce.ac.in

## Important Dates:

ast Date for registration: 8th Dec 2017.

Workshop Dates: 11th to 15th December 2017

Building, JNNCE Venue: AD block Seminar Hall Silver Jublee

Timing: 9.00 a.m to 5.00 p.m

Workshop Report

The Department of Electronics and Communication Engineering in association with IETE Shivamogga Center and ISTE organized a Five day workshop on "ARM Microcontroller & Embedded System Using ARM Cortex M3" for the faculty of Electronics and Communication Engineering and Telecommunication Engineering. The FDP has been mainly designed to fit the syllabus of ARM Lab of 6<sup>th</sup> Semester ECE/TCE. Mr Sharath S. M, Mrs Prema K. N and Mrs Shwetha H. R took the responsibility of coordinating the workshop under the careful guidance of Dr. Manjunatha P, HOD E&C Department.

The workshop was inaugurated by Sri S. N. Nagaraja, Secretary NES Shivamogga, Mr Jeevan B.Katariya Director, SPJ, Embedded Technologies Pvt Ltd and Dr. H.R Mahadevaswamy, Prinicpal J.N.N.C.E Shivamogga. Dr. Manjunatha P, HOD E&C Department highlighted the importance and relevance of the workshop for the faculty and students. Dr R Srinivasa Rao Kunte Professor E&C Department and BOS Chairman also strengthened the importance of the workshop for the faculty. The inaugural function was immediately followed by the theory sessions on ARM microcontrollers.

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The Day 1 after the inaugural function was headed by the resource person Mr Jeevan Katariya. He gave an overall picture of the ARM Microcontroller architecture by comparing with the previous microcontroller architectures. The session was very interactive and the post lunch session began with the awareness for the importance of practical experiments for engineering students by Mr Sunil Shabhatnavar SPJ, Embedded Technologies Pvt Ltd. Later the participants were guided to the Lab sessions and the "how to" of ARM Lab was explained in detail by Mr Jeevan.

The Day 2 session started with Hands on Session on ARM microcontroller programs. The programs included blinking an LED, LCD, Seven segment display and UART. Mr Jeevan and his team member Mr Jeevan gave an depth knowledge of programming and allowed the participants to explore the power of the ARM microcontroller architecture. Participants got equipped with the knowledge of I/O ports, registers syntax of the code during the second day.

The Day 3 session was mainly dedicated to the lab programs pertaining to the syllabus. Mr Nandesh and Mr Kiran were the resource persons for the Day 3 session. It got kicked off by the good old stepper motor interfacing, Keypad, etc. The experts also shared several example programs which are very helpful in conducting Lab Experiments. The later part of distinguishing property of the state of the art microcntorller, which is the

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The workshop also aimed at the 2 day sessions on NS2 simulator as a sequel to the ARM microcontroller. The fourth and fifth day was completely dedicated to the hands-on on NS2. The Day 4 began with introduction to Network simulators and a brief overview of NS2 simulators. Dr Kiran M, Assistant Professor of ISE with his team comprising Mr Vishwas.C.G.M, Assistant Professor of ISE and Soumya G V, Assistant Professor of ISE led the handson session. They educated the participants beginning from installation of NS2 in Linux platform to the usage of NS2 simulator for basic topologies. The session got completed in quiz . The day 5 was completely dedicated to the lab programs of CCN Lab prescribed by the VTU for 6th Semseter ECE.

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Head of the Department Electronics and Communication J.N.N. College of Engineering SHIMOGA-577 204.

Jawaharlal Nehru National College of Engineering, Shivamogga-577204







#### Department of Electronics and Communication Engineering in Association with IETE and ISTE

Attendance

Date:11.12.2017

JNNCE Faculty

Day1

SI.No	Name of the Participant	Dept	Session1	Session2
1	Dr R Srinivas Rao Kunte	ECE	M	M
2	Dr S V Sathyanarayana	ECE	Selan	
3	Shwetha B	ECE	18ais	18Agill
4	Darshan K V	ECE	K.V. Darshan	Ab
5	Smitha S M	ECE	0	O
6	Pradeep H K	ISE	Pros.	BA.
7	Sathyanarayana K B	ISE	88	
8	Benak Patel M P	TCE	12/6	92to
9	Harish T S	TCE	4	4.
10	Prashanth G S	ECE	moghant list.	fragrant ags.
11	Bhuvana Khare	TCE	& Oliver	Flora .
12	Nalina S B	ECE	Hallina	Pollina
13	Roopa B S	ECE	-B36-	1881 1881
14	Radhika S N	CSE	R.	
15	Chait ra K V	CSE	6	(E)
16	Pradeep S C	ECE	-	Ab
17	Abhijith N	ECE	20.	Ab
18	Ajay Betur P	ECE	AB	
19	Madhukar C S	TCE	Ab	Ab
20	Anil Kumar J	ECE	And	Ab
21	Harisha S B	TCE	ting 20	Ab
22	Aparna	TCE	BY.	M
23	G C Kamalamma	ECE	gan	Gn
	Sunil M. D.	ECE	10	At 8
90	Sharath. S.M.	ECE	Dein !	700
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27.	Shwetha-H.R			

Jawaharlal Nehru National College of Engineering, Shivamogga-577204





#### Department of Electronics and Communication Engineering in Association with IETE and ISTE

Attendance

Date:12.12.2017

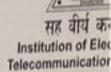
JNNCE Faculty

Day2

Sl.No	Name of the Participant	Dept	Session1	Session2
1	Dr R Srinivas Rao Kunte	ECE	A6	Ab
2	Dr S V Sathyanarayana	ECE	8 Staz	CIII
3	Shwetha B	ECE	18aB	16 8
4	Darshan K V	ECE	ASSE	Wais
5	Smitha S M	ECE	Ca	
6	Pradeep H K	ISE	60	0
7	Sathyanarayana K B	100000	and	
8	Benak Patel M P	ISE	and a	Sto
9	Harish T S	TCE	0.5%	nete
10	Prashanth G S	TCE	# 0	100
		ECE	Barranous-	
11	Bhuvana Khare	TCE	1000 00	proceeding.
12		ECE	Di	1.1
13	Roopa B S	ECE	Poline	Poline
14	Radhika S N	CSE	ASS	1386
15	Chaithra K V	CSE	de	do.
16	Pradeep S C	ECE	(e)	R
17		ECE	Ab	Ab,
18	Ajay Betur P	ECE	No.	100
19	Madhukar C S	TCE	States	i water
20			Ab	Ab
2		ECE	ANA	LAA
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		ECE	Gun	10
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#### Department of Electronics and Communication Engineering in Association with IETE and ISTE

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26 Shwetha H R	ECE	gena	gina
27 Sharath S M	ECE	Din	Oses

M.Tech Students, DECS

Day2

Date: 12.12.2017

Sl.No	Name of the Participant	College	Session1	Session2
1.	Ayaz Ahmed	JNNCE	Ayaz Almed	Ayaz Ahmed
2.	Shiraaz M N	Table 1		3hiraaz
3.	Sobiya Suha M	Adenia	Stiraaz	Shiraaz
4.	Sandya N V	Just Day	Sty.	deta
5.	Supritha Patil S		ybisha Palil	supeliera patil
6.	H R Artpitha		Abanta	All Ayrayitas
7.				1023