Moodlakatte Institute of Technology

(A Unit of Moodlakatte Nagarathna Bhujanga Shetty Trust (R.))

(Approved by AICTE, New Delhi & Affiliated to VTU, Belagavi)

Moodlakatte – 576 217, Kundapura Taluk, Udupi District, Karnataka

Date: 9.03.2018

Topic	:	**Basic Research Workshop on Embedded Systems**
Organized On	:	**7.03.2018 to 8.03.2018**
Resource Person	:	Mr. Raghu S
		Software developer,
		Tavas Technology, Bangalore
Participants	:	**Faculties & Third Year and Final Year Students from ECE;**
		No. of students – 23.

PREAMBLE

Embedded system is the combination of both hardware and software that work together to perform some specified tasks. This workshop focusses on the research aspects related to the Embedded System. Embedded systems use a lot of sensors to perform the variety of functions. The Embedded systems have a lot of scope in research in areas specific to different domains of electronics, signal processing, communication both wired/ wireless, Robotics and various other areas. The workshop if planned to give much needed impetus to final year students and their juniors so that research aspect of Embedded Systems can be conveyed to them.

BRIEF PROFILE OF THE CHIEF GUEST

Mr Raghu S is working as Software developer in Tavas Technologies Pvt Ltd Bangalore. He has vast experience in various domains such as Microprocessors, Microcontrollers and Embedded systems. He has good experience in sensors and communication modules that are related to Embedded Systems. He had undertaken many projects while working in Tavas Technologies. Earlier he was working as Assistant Professor in MITK in ECE Department for 8 years before joining Tavas Technologies.

REPORT

Mr. Raghu S, Software Developer, Tavas Technologies Pvt Ltd, Bangalore was invited as resource person for a two-day Research oriented workshop on "Embedded systems", organized by the Department of ECE for the students on 7th -8th March 2019.

During the first day of the workshop, he discussed about the importance of Embedded systems in today's scenario. The gave detailed explanation about the history and evolution of the Embedded System. He also did a comparative analysis of the General-Purpose Computers and Embedded systems. The students interacted with the Resource Person and raised many questions related to history, evolution, development and applications of Embedded systems. The Resource Person was happy with the way student responded and also appreciated the students' interest in the subject. The resource person also raised a few numbers of Questions and the student answered well.

In the second day, the speaker conducted hands on session on the design and implementation of Embedded systems using various Microcontroller and Microprocessors. The Speaker explained about the different Software and Hardware Parts present in the Embedded system. Later he explained the various functions of Embedded Systems and gave many examples about their applications. The Speaker conducted a small mini project and the students gave demo of their work. The resource person then concluded the workshop and thanked the MITK college for inviting him for the workshop. The students from branches of ECE were present. Pavithra H Naik, Final Year Students hosted the event.

ORGANIZING COMMITTEE

Chair:

Mr. Balanageshwara S, HOD Dept of ECE

Staff co-coordinators

Mrs. Sookshma Adiga

Assistant professor (Sr.), Dept of ECE

Student Coordinators:
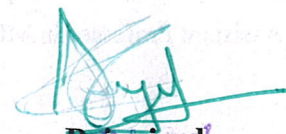
Chethana, Final Year ECE
Krithi, Final Year ECE

FEEDBACK
Resource Person Feedback: The Session was well planned and properly executed. The response from students was good. The students participated and responded well for the hands-on session that followed the technical talk on day 2. Many doubts and questions were raised by the students.
Student Feedback: The students appreciated the presentation given by the Presenter. The students gained abundant knowledge on the importance of Embedded systems through the hands-on workshop. The students were happy to participate in the hands-on session and got a great deal of information from the Resource Person.

HoD

Principal
Moodlakatte Institute of Technology
Moodlakatte, Kundapura - 576217
Udupi Dist, Karnataka

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Date: 1.3.2018

CIRCULAR

This is to inform all Faculties, and third year and Final year students of the Department Electronics & Communication Engineering that a Basic Research workshop on Embedded systems will be organised from 7th March 2018-8th March 2018 in ECE Computer lab at 10.00AM. Raghu S Software developer from Tavas Technologies Pvt Ltd Bangalore would be the resource person.

All are requested to participate in this workshop.

Coordinator   **HoD**

To: NB/ **to circulate among staff and students**

Copy to: Department File

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Basic Research Workshop on Embedded Systems from 7.3.2018 to 8.3.2018		
Participant List		
Sl.no	Name	USN
1	Divya Deepika	4MK15EC005
2	Mala Gowda	4MK15EC006
3	Swathi Borkar	4MK15EC015
4	Jahara A Shaik	4MK15EC018
5	Chethan H M	4MK16EC001
6	Deepashree	4MK16EC002
7	Divya B Byali	4MK16EC003
8	Jyothi A	4MK16EC004
9	K Shubha S Havaldar	4MK16EC005
10	Kirthi	4MK16EC006
11	P Krupa	4MK16EC008
12	Prameela	4MK16EC009
13	Rakshith Keshav Patgar	4MK16EC010
14	Sachin Venkatesh Kodiya	4MK16EC011
15	Shreya Uday Achar	4MK16EC012
16	Thwisha Hegde	4MK16EC013
17	Vinayaka N H	4MK16EC014
18	Yashaswini	4MK16EC015
19	Divya S Bhat	4MK17EC400
20	Manoj	4MK17EC401
21	Ranjitha B	4MK17EC402
22	Rashmi Bhasker Naik	4MK17EC403
23	Smitha	4MK17EC404

Coordinator

HoD