



RAJARAJESWARI COLLEGE OF ENGINEERING

(Under the auspices of the Moogambigai Charitable and Educational Trust)

(Affiliated to the Visvesvaraya Technological University, Belgaum)

(Recognized by the AICTE, New Delhi)

#14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru-560074.

Phone: +91-80-28437124, +91-28437375, Fax: +91-80-2843 7373, www.rrce.org



DEPARTMENT OF MECHANICAL ENGINEERING

Date:05/12/2019

Circular

It is hereby informed to all the faculty members that the department is organizing Five days FDP on the topic “**Mechatronics and MEMS from 17th to 21st Dec 2019**”. All are requested to attend the FDP and make better utilization of the recourse person and opportunity.

Coordinators

HOD - ME



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DEPARTMENT OF MECHANICAL ENGINEERING

5 Days Faculty Development Program on Mechatronics and MEMS

17th to 21st Dec 2019

Sl. No.	Topic	Resource Person	Date & Time
Inauguration and Welcome 9:00 to 10:15			
1	Introduction to Mechatronics Engineering in Automation	Dr. A R K Swamy Prof. & Head, Mechatronics Dept., Acharya IT	17 th Dec 2019 11:00 to 1:00
2	Fundamentals of Microcontrollers and Applications	Dr. A R K Swamy Prof. & Head, Mechatronics Dept., Acharya IT	17 th Dec 2019 2:00 to 3:30
3	Basics of PLC and ladder diagram and applications	Prof. Sripathi, Associate Profesor, Dept. of ECE, RRCE	18 th Dec 2019 9:30 to 11:00
4	Applications of microcontrollers with Practical performance and simulation	Dr. Ramgaiah Prof. & Head, Dept. of ECE, RRCE	18 th Dec 2019 11:30 to 1:00
5	Applications of microcontrollers with Practical performance and simulation (hands on experience)	Dr. Ramgaiah Prof. & Head, Dept. of ECE, RRCE	18 th Dec 2019 2:00 to 4:00
6	Introduction to programming language of PLC	Prof. Suhas GTTC, Bluru	19 th Dec 2019 9:30 to 11:00
7	Automation using pneumatic system and introduction to fluidics	Prof. Pramod V Koujalagi Associate Professor, Mech. Engg. RRCE	19 th Dec 2019 11:30 to 1:00
8	MEMS & Micro Fabrication process	Prof. Thanuj Kumar M Associate Professor, Mech. Engg. RRCE	19 th Dec 2019 2:00 to 4:00
Industrial Visit to Sansara Engineers Pvt. Ltd. on 20th Dec 2019			
10	Electrochemical Machining and applications of MEMS	Dr. Raju Professor, Dr. AIT	21 st Dec 2019 9:30 to 12:30
Valedictory and feedback session 2:00 to 3:30			



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On

17th to 21st Dec 2019

Program Report

On day 1 FDP started with inaugural function at 9:30am followed by 1st session from Dr. A R K Swamy delivered a talk on Introduction to Mechatronics Engineering in Automation and in the 2nd session he delivered a talk on Fundamentals of Microcontrollers and Applications

On day 2 Prof. Prof. Sripathi delivered a talk on Basics of PLC and ladder diagram and applications. He further handled afternoon session on Applications of microcontrollers with Practical performance and simulation (hands on experience). Hands on experience were quite interesting.

On day 3, Prof. Suhas GTTC, Blurudelivered a talk on Introduction to programming language of PLC in the first session followed by Automation using pneumatic system and introduction to fluidics by Prof. Pramod V Koujalagi. Post lunch session was on MEMS & Micro Fabrication process by Prof. Thanuj Kumar M.

On Day 4 was exclusive industrial visit to Sansara Engineers Pvt. Ltd.

On Day 5, Dr. Raju delivered a talk on Electrochemical Machining and applications of MEMS which was followed by valedictory function and certificate distribution.



Coordinator

HoD - ME