CENTRE OF EXCELLENCE IN AUTOMOTIVE ELECTRONICS

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Centre of Excellence (CoE) in Automotive Electronics (AE) is to create and disseminate knowledge through a range of high-quality academic program in a student-centered learning environment to emphasize intellectual achievement and to increase employability in the field of Automotive Electronics. This CoE dawns new ground in the Automotive Electronics training sector for EEE, ECE and EIE departments' students. Employment opportunities are expected to keep pace with continuing rapid advances leading to increased demand for competent and versatile graduates who can design and implement innovative solutions for the Automotive Electronics industry in particular. Competition in the automotive industry is proliferating every day and CoE-AE endeavors to continually infuse technological learning in students which will reflect the skills in demand by the industry worldwide. Thus, our accelerated learning techniques and blended learning experiences help students to maintain a competitive edge in the automotive industry. The global automotive industry has witnessed a lot of transformation in the last two decades with the digitization of vehicles. Developing less expensive electronics architecture is expected to expedite the demand for

electronics and enable sophisticated functionalities as standard features. Globally, electronic components are expected to be 50 per cent of the value of a car by 2030. Extensive research in the areas of automotive power train, safety, control and electronics is being pursued globally and is gaining momentum in India with active participation from academia and industry. Thus, it is envisaged to be a Centre of Excellence focusing on providing research solutions to the automotive industries through focused R&D in association with the talent and capabilities at RMK Group of institutions.

Department of EEE, ECE and EIE signing MoU with KPIT Technologies Ltd. on 30.08.2016

FACULTY ASSOCIATED WITH COE

Coordinator-CoE-SPoC

M.S.KAVITHA, ASSOCIATE PROFESSOR/EEE, msk.eee@rmkec.ac.in

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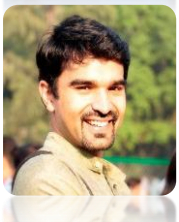
ADVISORY COMMITTEE MEMBERS FROM KPIT TECHNOLOGIES LTD,PUNE

Tracy Austina.Z,
Principal Educator,
Education & Competency Development (ECoDe)

Dr. Prithvi Sekar Pagala
Sr. Educator,
Education & Competency Development (ECoDe)



Omkar Kukade
Talent Acquisition Group (Automotive & Engineering),
SPoC,KPIT

STUDENTS DETAILS-CoE

ACADEMIC YEAR	STUDENTS SELECTED FOR TRAINING	STUDENTS PLACED
2016-17	48	20
2017-18	55	13(AS ON SEPTEMBER 2017)
2018-19	30	Training in process

HIGHLIGHTS OF 2017 ACTIVITIES

KPIT ONLINE TEST: JUNE 9TH, 2017

KPIT ONLINE REASSESSMENT TEST: AUGUST 4TH, 2017

TRAINING ACTIVITIES-2017

S.NO	MONTH/YEAR	DATES	HOURS	REMARKS	RESOURCES
1	DECEMBER,2016	28	7	UNIT-1	Mr.A.Jegan, Automobile Engineering Department, SRM University
2	JANUARY	24	8	UNIT-II	KPIT coordinators
3	FEBRUARY	17,18	16	UNIT-III & Hands on session for interfacing sensors and actuators with microcontrollers	Ethnus-Prabhakar
4	FEBRUARY	19	8	BASICS OF C	Ethnus,Samuel
5	FEBRUARY	21	3	**TEST-UNIT I AND II**	**First assessment**
6	FEBRUARY	24	5	UNIT-IV	SME Connect Programme-Dr.Prithvi and Hemanth.
7	MARCH	6	8	UNIT-V	Mr.Kiran.G.Nair, BOSCH TRAINER
8	MARCH	10	1(10.30 to 11.30 AM)	UNIT-I AND Generic about module of KPIT product	SME Connect Programme-Webinar by Mr.Srikanth Kakale on ECU Design Cycle
9	MARCH	11	7	Communication Skill Practice Session	English & MBA Department Professors

10	MARCH	16,18	14	UNIT III-Hands on session with Emblitz board for CAN protocol	Ethnus,Vikas
11	APRIL	5	7	UNIT-IV	Modelling examples using matlab/simulink from Mathworks
12	MAY	17	3	**TEST-UNIT III ,IV AND V**	**Second assessment-FN**
13	MAY	17	3	**ALL UNITS**	**Model MCQ-AN**
TOTAL HOURS OF DELIVERY			**74**		

Training on interfacing sensors and actuators with microcontrollers by Mr.Prabhakar, Continental on 17.2.2017

Training on safety features on 6.3.2017 by Mr.Kiran G.Nair,Bosch

Project display event on 19.8.2017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