

EMBEDDED SYSTEM

Course Details

❖ Introduction

❖ C-Programming

The basic principles of programming in C is covered in order to have a strong basement in the embedded field. Exercises in C programming are given in abundant until the student feels comfortable with programming

❖ 8051 Microcontroller

- Architecture
- Pin Details
- Addressing modes
- Working with Keil compilers
- Embedded C
- Interfacing with LED, LCD, ADC & Key Pad
- Timers & Counters
- Serial Communication
- Interrupts

❖ PIC Microcontroller

- Architecture of PIC 16F877A
- Embedded C
- Interfacing with LED, LCD, ADC & Key Pad
- Timers & Counters
- Serial Communication
- Interrupts
- PWM Generation
- I²C Protocol programming
- SPI Protocol programming

❖ Project

❖ Assessment & Certification

COURSE DETAILS

DURATION: 100 Hrs

FEE: Rs.7500/-

MODE OF PAYMENT: CASH/DD drawn in favour of "The Principal, Murugappa Polytechnic College, Chennai" (Can be paid in 2 Installments)

CONCESSION FOR STUDENTS: 20%

BATCH SIZE: 20

COMMENCES FROM DECEMBER 2015 (EVENINGS AND SATURDAYS)

ELIGIBILITY

Professionals with Degree/Diploma in Electrical & Electronics Engg, Electronics & Communication Engg, Computer Engg, Instrumentation Engg are eligible. Prefinal and Final year degree and diploma students are also eligible

For further Details please contact

Course Co-ordinator

Mr.E.Senthil Vel Murugan,
Lecturer(Sr.G),
Dept. of Electrical & Electronics Engg.,
Murugappa Polytechnic College,
S.M.Nagar, Chennai – 600 062.
MobileNo: 9840755969
Email: esvmurugan@yahoo.co.in

A certificate course on

EMBEDDED SYSTEM

OFFERED BY

DEPARTMENT OF
ELECTRICAL & ELECTRONICS ENGINEERING
MURUGAPPA POLYTECHNIC COLLEGE

Sathyamurthy Nagar, Avadi, Chennai – 600 062
(A Govt. aided Autonomous Institution)



Under COLLET

In Collaboration with

SPCU
DIRECTORATE OF TECHNICAL EDUCATION
GOVT. OF TAMILNADU



INFORMATION BROCHURE

Tel.: 044 26385713

Fax: 044 26382921

Email: mrpgtsys@murugappapoly.ac.in

Website: www.murugappapoly.ac.in

ABOUT COLLEGE

Murugappa Polytechnic college was established in the year 1957 by Thiru AMM Murugappa Chettiar and now it is managed by AMM Foundation.

We are an Academically autonomous Government Aided Institution offering Diploma programmes in the following disciplines : Civil Engg, Computer Engg, Electrical & Electronics Engg, Electronics & Communication Engg, Mechanical Engg, Mechanical(TDM) and Electronics (Robotics).

We are delivering quality education & training through need based curriculum developed by involving Industrial experts.

ACADEMIC AUTONOMY was awarded to the institution from 1981 by the State Board of Technical Education. The curriculum and syllabi of each Diploma programme are revised from time to time to suit the needs of the industry.

ABOUT THE DEPARTMENT

Dept. of Electrical & Electronics Engineering was established in the year 1957 for offering 3 years Diploma Course in Electrical & Electronics Engineering. Part-Time Diploma Course in Electrical & Electronics Engineering was started in 1970.

3 ½ years Sandwich Diploma Course in Electrical & Electronics Engineering was started in 1971. Women students were admitted from 1991. Curriculum was revised in 1985, 1994, 1999, 2003, 2007 and 2012 to meet the industrial needs.

CONTINUING EDUCATION

Continuing and life long education is to update, renew and improve the knowledge & skills of working professional, students and public for meeting the challenges of recent advancements in science and technology and fast changing demands of industry and society

CONTINUING EDUCATION CENTRE

Continuing Education centre provides value added and cost effective continuing education programmes in the areas of Engineering & technology, business and Management through short term courses, tailor made courses, workshops and personality development programmes.

CONTINUING EDUCATION & TRAINING PROGRAMMES

Non-formal Certificate programmes are offered under Continuing Education and

training to industry personnel, society and other institution, students and staff.

MOU WITH INDUSTRIES AND INSTITUTIONS

MoU exists with the following institutions for exchange of faculty and experts.

- Northern College, Porcupine, Canada
- Temasek Polytechnic, Singapore
- Tube Investments of India, Chennai
- Skillveri Training Solutions Pvt. Ltd, Chennai.

SOME OF THE TRAINING OFFERED

- ❖ Multi Skill Development Programme
- ❖ Domestic Appliances Wiring
- ❖ Basic Electrical Maintenance
- ❖ CATIA
- ❖ PLC and SCADA
- ❖ Pro-E
- ❖ Tailor Made Programmes

CERTIFICATE

At the end of the Training, all the successfully completed participants will receive a Course Certificate issued by the Directorate of Technical Education, Govt. of Tamilnadu.