K. RAMAKRISHNAN COLLEGE OF ENGINEERING

(Approved by AICTE & Affiliated to Anna University)Tiruchirappalli – 621 112
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6.4 Project laboratory (5)

Snapshot of project laboratory

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➢ Project laboratory is exclusively provided to the students to carry out mini and major project work.

➢ Computing facility with sufficient number of personal computers with high speed Internet connectivity is available

➢ Students are encouraged to utilize the laboratory for developing their project works/products during and beyond the class hours.

➢ Domain specific faculty members and technical staff are available beyond the working hours to support students for doing project work

➢ Project laboratory is equipped with educational tools to create interest and better understanding of electronics

➢ Students are encouraged to do project work in domain wise with the support of the facilities available in the laboratories and Center of Excellence established in the Department namely Texas Instruments laboratory

➢ Reference books, journals and technical magazines are shared from main and department libraries.

➢ Embedded system development software and tools with evaluation board and necessary hardware items are available in the laboratory to familiarize the students to work in embedded systems

➢ Previous batches working models/ projects and projects reports are available in the laboratory

Major Equipments:

- Work benches
- Digital Storage Oscilloscopes and Cathode Ray Oscilloscopes
- Signal generators
- Power supplies
- General purpose PCBs and necessary electronic components
- Simulation software
- Personal computers with Internet facility
- Embedded systems development boards
- Micro C free version software tool and PIC18F4550 evaluation board
- Open source software- MATLAB, Keil-uVision, Xilinx, Code Composer Studio and PSpice

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Utilization of Project Laboratory:

- Students are utilizing the laboratory for developing projects /models / products and research activities. A few of projects done by the students are given below

S. No.	Name of the Student(s)	Title of the Project done in Project laboratory	Academic Year
1.	(i) BENITA ESTHER JEMMIMA V (ii) JANANI R (iii) AARTHI Y (iv) ABINAYA R	PREVENTION OF FIRE ACCIDENTS IN GARBAGE DUMPS THROUGH IoT	2017-2018
2.	(i) NAGARAJAN R (ii) PRABAKARAN M.G (iii) RAGUL S	RF ENERGY HARVESTING ANTENNA (RECTENNA)	2017-2018
3.	(i) REVATHY T (ii) THULASI G (iii) VATHSALA S (iv) VIDHYA S	UWB-MIMO ANTENNA WITH MINKOWSKI FRACTAL DGS	2017-2018
4.	(i) ALLAN RENY A (ii) GLADIN CLINTON L (iii) HARISH S (iv) DINESHWARAN V	SECURITY BASED AUTOMATION USING HAND GESTURE COGNIZANCE	2016-2017
5.	(i) R.KAVIPRIYA (ii) J.KEERTHANA (iii) S.LAVANYA (iv) P.SINDHUJA	CROUCHED POWER ALPINE SPEED MULTIPLIERS	2016-2017
6.	(i) G.MEENA (ii) S.MONISHA (iii) K.PRASHANTHI (iv) S.PRAVEENA	DESIGN OF METAMATERIAL ANTENNA FOR MOBILE COMMUNICATION	2016-2017

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7.	(i) PRIYANGA K (ii) SHAKILA R (iii) SINDHUJA S (iv) SUBHASHINI S	LABVIEW BASED HOME AUTOMATION SYSTEM USINGIMAGE RECOGNITION	2016-2017
8.	(i) KAYALVIZHI.R (ii) KOKILA.D (iii) MADHU PRIYA.G (iv) MANIMEKALAI.S	DESIGN OF CPW-FED ANTENNA FOR WI-MAX APPLICATION	2015-2016
9.	(i) SILAMBARASAN. R (ii) KARTHIKEYAN.C (iii)MURUGANANDAM.N (iv) BALA MURUGAN.S	DESIGNING AND PLANNING OF RF NETWORK IN GSM TECHNOLOGY	2015-2016
10.	(i) K.BHARATH (ii)U.UDHYATHASABIRAJ (iii) R.KAUSHIK KUMAR (iv) G.BALAJI MANIKANDAN	ANALYSIS AND SIMULATION OF MODIFIED ELECTRONIC CONTROL UNIT DESIGN FOR IC ENGINES	2015-2016
11.	(i) R.SHIFANA PATCHA (ii) J.LAVANYA (iii) S.BRINDHA (iv) S.DHIVYA	DRIVER'S CIRCUMSPECTION LEVEL MONITORING AND TRAGEDY CONTROL	2015-2016