

Raspberry Pi computer is developed. The connectivity is divided into server side software and client side software.

7. IoT based Web Controlled Home Automation using Raspberry Pi.

8. A Simple IoT Project with the ESP8266 WiFi module: Here is a simple project with ESP8266 wi-fi module. This project collects the temperature and is displayed on the network.

9. Implement a RFID Based IoT Project

404188 Project Phase-I		
Credits: 02		
Teaching Scheme: Tutorial: 2 Hrs/week		Examination Scheme: OR :50Marks
Note: 1. Term work assessment is based on the project topic. It consists of Literature Survey and basic project work. The abstract of the project should be submitted before Term work assessment. 2. The report consists of the Literature Survey, basic project work and the size of the report should be maximum of 40 pages. 3. The examination is conducted by two examiners (internal and external) appointed by the university. The examiners appointed must have minimum 5 years of experience with UG qualification or 2 years with PG qualification. 4. The assessment is based on Innovative Idea, Depth of understanding, Applications, Individual contributions, presentation, and the grade given by the internal guide based on the work carried out in a semester. 5. A log book of Work carried out during the semester will be maintained with monthly review remarks by the guide and HoD. 6. A certified copy of report is required to be presented to external examiner at the time of final examination.		

Audit Course 5 (1): Green Energy
About the course This course provides an introduction to energy systems and renewable energy resources, with a scientific examination of the energy field and an emphasis on alternate energy sources and their technology and application. The students will explore society's present needs and future energy demands, examine conventional energy sources and systems, including fossil fuels and nuclear energy, and then focus on alternate, renewable energy sources such as solar, biomass (conversions), wind power, geothermal, and hydro. Energy conservation methods will be emphasized
Course Objectives: • To understand the conventional and non conventional energy sources • To understand different renewable energy sources and their generation • To understand the various applications & benefits of renewable energy sources • To enable student to understand project management, energy audit and Installation