

REPORT ON FIVE DAY INTERNSHIP PROGRAM FOR SECOND YEAR STUDENTS OF ECE DEPARTMENT

Department of Electronics and Communication conducted five day internship program for second year students during 09/07/18 to 13/07/18. The five day internship program was organized within the campus and various sessions of the programs were handled by the faculty of ECE Department. The program was intended to impart basic knowledge of some useful software which can aid the students to complete their final year projects. The Five day internship program was organized as follows

PROGRAM COORDINATOR: Mr. Rahul V

Day 1 (09/07/18) Introduction to Microcontroller Programming

Handled by Mr. Kiran Samuel and Mr. Rahul V

Day 2(10/07/18) Document preparation using LaTeX

Handled by Mrs. Nikitha V. P. and Ms. Sangeetha Gopinath

Day 3(11/07/18) Familiarizing the circuit simulation tool: Circuit Wizard

Handled by Mr. Narayanan P.P. and Mr. Dileep M.

Day 4(12/07/18) Familiarizing the circuit simulation tool: Proteus

Handled by Mr. Narayanan P.P and Mr. Dileep M.

Day 5(13/07/18) PCB layout making and PCB fabrication

Handled by Mr. Narayanan P.P. and Mr. Dileep M.

DAY 1 (09/07/18)

Day 1 of the program started by 9:30 am . Mr.Krishnakumar R., HOD ,ECE, addressed the gathering and gave an overall idea about the five day internship program. About 36 students of S4 ECE were present. The forenoon session handled by Mr. Rahul V, AP,ECE introduced the basic concepts of programming of Microcontrollers. During the forenoon session students wrote assembly codes and learned the instruction set of 8051 microcontroller. Mr. Kiran Samuel AP,ECE , familiarized the training kit to the students. In afternoon session, students executed the assembly codes written by them in the training kits and verified the results. At the end the students were given assignment questions to assess their improvement. The session ended by 4:00 pm .

DAY 2 (10/07/18)

In order to develop documentation skills of the students a session on document preparation using LATEX was arranged on the second day of the Internship program. The session was handled by Mrs. Nikitha V.P. ,A.P. ECE. The session started by 9:30 am. From this session the students understood how to install and prepare a document using LATEX.

The students learned how to develop templates and how to prepare a document in prescribed format from this session.

DAY 3 (11/07/18)

Day 3 primarily focused on various simulation soft wares which are useful to simulate various electronic circuit ideas of the students. The Session was handled by ECE Department faculties Mr. Narayanan P.P. and Mr. Dileep M., was very interesting. Students simulated basic circuits that they have learned in the previous semesters and verified the outputs. The students learned the installation and use of the simulation software, Circuit Wizard. They learned how to wire the circuits and how to draw PCB layout of the developed circuit in the session

DAY 4 (12/07/18)

Students were introduced a new simulation software Proteus on the fourth day of the program. Proteus is another useful tool for circuit development. Students designed some complex circuits using PROTEUS and designed the PCB layout out of these circuits. The session was handled by Mr. Narayanan P.P and was assisted by Mr. Dileep M.

DAY 5 (13/07/18)

On the final day of internship program, students learned how to make PCB layout and how to fabricate PCB. The students were divided into groups and they were provided with all the necessary tools to fabricate PCB. Students fabricated PCB for the circuits they have designed in day 4 of the internship program. The session was handled by Mr. Narayanan P.P. and was assisted by Mr. Dileep M.

The valedictory function started by 3:30 pm. In the valedictory function Mr. Krishnakumar R., HOD ECE and Mr. Rahul V, Session coordinator addressed the gathering. Students were distributed the certificates of the five day internship program. A high tea was also arranged for all the participants and faculties. The program came to an end by 4pm.

Report prepared by
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Session Coordinator