

M.D. UNIVERSITY, ROHTAK

**Scheme of studies & Examination
B. Tech. (Electronics and Communication Engg.)**

SEMESTER VII

F ' Scheme Effective from 2012–2013

| Course No. | Course Title | Teaching Schedule | | | | Marks of Class Work | Examination | | Total Marks | Duration of Exam |
|------------|--|-------------------|----------|----------|-----------|---------------------|-------------|------------|-------------|------------------|
| | | L | T | P | Total | | Theory | Practical | | |
| ECE-405-F | WIRELESS COMMUNICATION | 3 | 1 | - | 4 | 50 | 100 | - | 150 | 3 |
| ECE-403-F | SATELITE COMMUNICATION ENGINEERING | 3 | 1 | - | 4 | 50 | 100 | - | 150 | 3 |
| ECE-407-F | DATA COMMUNICATION | 3 | 1 | - | 4 | 50 | 100 | - | 150 | 3 |
| | *Open Elective | 3 | 1 | - | 4 | 50 | 100 | - | 150 | 3 |
| | *Dept Elective-I | 3 | 1 | - | 4 | 50 | 100 | - | 150 | 3 |
| ECE-409-F | Digital Signal Processing | 3 | 1 | - | 4 | 50 | 100 | - | 150 | 3 |
| ECE-423-F | Wireless & Satellite Communication Lab | | | 3 | 3 | 50 | - | 50 | 100 | 3 |
| ECE-429-F | Digital Signal Processing Lab | - | - | 2 | 2 | 25 | - | 25 | 50 | 3 |
| ECE-427-F | Data Communication Lab | - | - | 3 | 3 | 50 | - | 50 | 100 | 3 |
| GFEE-401-F | General Fitness For The Profession | - | - | - | - | | - | 50 | 50 | 3 |
| ECE-401-F | Practical Training – II | - | - | - | - | - | - | | - | - |
| | TOTAL | 19 | 5 | 8 | 32 | 425 | 600 | 175 | 1200 | |

List of Dept Electives-I

| | |
|-----------|-------------------------------------|
| ECE-419-F | Mobile Communication |
| EE-317-F | Power Electronics |
| IC-404-F | Fuzzy Logic Control |
| ECE-461-F | Genetic Algorithms & Applications |
| ECE-453-F | Radar and Sonar Engg. |
| EE-405-F | Advance Control System |
| ECE-411-F | Wireless Sensor Network |
| ECE-413-F | Image Processing |
| ECE-415-F | Optical Communication Systems |
| EEE-413-F | Microcontroller and embedded system |

Note:

- 1. Students will be allowed to use non-programmable scientific calculator. However, sharing of calculator will not be permitted in the examination.**
- 2. *Student will be permitted to opt for any one elective run by the other departments. However, the departments will offer only those electives for which they have expertise. The choice of the students for any elective shall not be a binding for the department to offer, if the department does not have expertise.**
- 3. A team consisting of Principal/Director, HOD of concerned department and external examiner appointed by University shall carry out the evaluation of the student for his/her General Fitness for the Profession.**
- 4. Assessment of Practical Training-II, carried out at the end of VI semester, will be based on seminar, viva-voce and project report of the student from the industry. According to performance, letter Grades A, B, C, F are to be awarded. A student who is awarded 'F' grade is required to repeat Practical Training.**

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SEMESTER VIII

F ' Scheme Effective from 2012–2013

| | | Subject | Internal Marks | External Marks | Total Marks |
|----|-------------------|--|-----------------------|-----------------------|--------------------|
| 1. | ECE- 402-F | Industrial Training/Institutional Project Work | 150 | 150 | 300 |

Note:

The students are required to undergo Industrial Training or Institutional Project Work of duration not less than 5 months in a reputed organization or concerned institute. The students who wish to undergo industrial training, the industry chosen for undergoing the training should be at least a private limited company. The students shall submit and present the mid-term progress report at the Institute. The presentation will be attended by a committee. Alternately, the teacher may visit the Industry to get the feedback of the students.

The final viva-voce of the Industrial Training or Institutional Project Work will be conducted by an external examiner and one internal examiner appointed by the Institute. External examiner will be from the panel of examiners submitted by the concerned institute approved by the Board of Studies in Engg. & Technology. Assessment of Industrial Training or Institutional Project Work will be based on seminar, viva-voce, report and certificate of Industrial Training or Institutional Project Work obtained by the student from the industry or Institute.

The internal marks distributions for the students who have undergone Industrial Training consist of 50 marks from the industry concern and 100 marks by the committee members consisting of faculty members of concerned department of the parent institute.

The teachers engaged for Institutional Project work shall have a workload of 2 hours per group (at least 4 students) per week.