

M.D. UNIVERSITY, ROHTAK

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

**Semester –VII**

'F' Scheme

**EFFECTIVE FROM THE SESSION 2012-13**

Course No.	Course Title	Teaching Schedule				Marks of Class Work	Examination		Total Marks	Duration of Exam
		L	T	P	Total		Theory	Practical		
EE-403-F	Electric Drives And Control	3	1	-	4	50	100	-	150	3
ECE-409-F	Digital Signal Processing	3	1	-	4	50	100	-	150	3
EEE-413-F	Microcontroller & Embedded System	3	1	-	4	50	100	-	150	3
	*Open Elective	3	1	-	4	50	100	-	150	3
	*Dept Elective	3	1	-	4	50	100	-	150	3
EE-407-F	PLCS And SCADA	3	1	-	4	50	100	-	150	3
ECE-429-F	Digital Signal Processing Lab	-	-	2	2	25	-	25	50	3
EEE-433-F	Microcontroller & Embedded System Lab	-	-	3	3	50	-	50	100	3
EE-417-F	PLCS & SCADA Lab	-	-	3	3	50	-	50	100	3
GPEEE-401-F	General Fitness For The Profession	-	-	-	-	-	-	50	50	3
EEE-401-F	Practical Training	-	-	-	-	-	-	-	-	-
	<b>TOTAL</b>	<b>18</b>	<b>6</b>	<b>8</b>	<b>32</b>	<b>425</b>	<b>600</b>	<b>175</b>	<b>1200</b>	

**List of Open Electives**

1.	HUM-451-F	Language Skills for Engineers
2.	HUM-453-F	Human Resource Management
3.	HUM-459-F	Renewable Energy Resources and Technology
4.	ME-451-F	Mechatronics Systems
5.	IC-455-F	Intelligent Instrumentation for Engineers
6.	OR-401-F	Operations Research

**List of Dept Electives**

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|----|--------------------------|------------|
| 1. | EHV AC/DC                | (EE-432-F) |
| 2. | Advanced Instrumentation | (EE-434-F) |
| 3. | Fuzzy Logic Control      | (IC-404-F) |
| 4. | High Voltage Engineering | (EE-442-F) |
| 5. | Electrical Power Quality | (EE-444-F) |
| 6. | Power Management         | (EE-450-F) |

**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 THE SESSION 2012-13**

Sr. No	Course No	Subject	Internal Marks	External Marks	Total Marks
1.	EEE- 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 4 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.