



**Rajiv Gandhi Technological University, Bhopal (MP)**  
**B.E. (FT) Fire Technology and Safety Engineering**  
 Revised syllabus and Scheme of Examination effective from July 2010-11

**SEVENTH SEMESTER**

| S.No  | Course Category | Course Code (New) | Subject   | Periods Per week |   |    |    | Distribution of Marks |                 |                     |     |       |
|-------|-----------------|-------------------|---|------------------|---|----|----|-----------------------|-----------------|---------------------|-----|-------|
|       |                 |                   |   | L                | T | P  | C  | Theory Marks          | Practical Marks | Internal Assessment |     | Total |
|       |                 |                   |   |                  |   |    |    |                       |                 | MST                 | TW  |       |
| 1     | DC(E) 1         | FT701             | Elective – I  | 3                | 1 | 0  | 4  | 100                   | -               | 20                  | -   | 120   |
| 2     | DC(E) 2         | FT702             | Elective – II   | 3                | 1 | 0  | 4  | 100                   | -               | 20                  | -   | 120   |
| 3     | DC 14           | FT703             | Heat Transfer, Combustion & Explosives                          | 3                | 1 | 2  | 6  | 100                   | 50              | 20                  | 30  | 200   |
| 4     | DC 15           | FT704             | <a href="#">Safety</a> Engineering & Its Industrial Application | 3                | 1 | 2  | 6  | 100                   | 50              | 20                  | 30  | 200   |
| 5     | DC 16           | FT705             | Chemical Safety   | 3                | 1 | 2  | 6  | 100                   | 50              | 20                  | 30  | 200   |
| 6     | DC 17           | FT706             | Minor Project   | 0                | 0 | 4  | 4  | -                     | 50              |                     | 50  | 100   |
| 7     | DC 18           | FT707             | <a href="#">Industrial</a> training and Seminar                 | 0                | 0 |    | 2  | -                     | 30              |                     | 30  | 60    |
| Total |                 |                   |   | 15               | 5 | 13 | 32 | 500                   | 230             | 100                 | 170 | 1000  |

**Note: Industrial Training completed before seventh sem will be Evaluated in seventh semester.**

| FT- 701- Elective-I |                               | FT- 702- Elective-II |                                     |
|---------------------|-------------------------------|----------------------|-------------------------------------|
| FT- 701(A)          | Structure behavior under fire | FT- 702(A)           | <a href="#">Disaster</a> Management |
| FT- 701(B)          | Operation Research & SCM      | FT- 702(B)           | Simulation & Process Modeling       |
|                     |                               | FT- 702(C)           | Process Safety & Risk Assessment    |

|     |                                 |      |                                |
|-----|---------------------------------|------|--------------------------------|
| BS  | Basic Sciences                  | HS   | Humanity Sciences              |
| DC  | Department Core                 | DID  | Department Inter Disciplinary  |
| IT  | Information Technology subjects | NECC | Non Exam Credit Course         |
| MST | Mid Semester Test               | TW   | Term Work (Session/ Practical) |
| C   | Credits                         | L    | Lecture Hrs                    |
| P   | Practical Hrs                   | T    | Tutorial Hrs                   |