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AURANGABAD.**



Revised Syllabus of

T.E.

COMPUTER SCIENCE AND ENGINEERING

*[ Effective from the Academic Year 2013-14 & onwards ]*

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### **THIRD YEAR DEGREE COURSE IN ENGINEERING (REVISED)**

(Applicable from the Academic Year 2013- 2014)

1. All the Rules and Regulations, hereinafter specified shall be read as a whole for the purpose of interpretation.

#### **ADMISSION**

1. Admission to third year engineering shall be carried out as per the rules and regulations prescribed by the competent authority as appointed by the Government of Maharashtra and Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, from time to time.

#### **DURATION AND COURSES OF STUDY**

1. The duration of the course is four years. Each of the four academic years shall be divided into two semesters herein after referred to as the semester I and semester II in chronological order. Each semester shall comprise

Instructions ..... 15 weeks  
Preparation holiday ..... 2 weeks or 15 days  
(Includes practical exams)

2. Candidate who fails to fulfill all the requirements for the award of the degree as specified hereinafter within eight academic years from the time of admission, will forfeit his/her seat in the course and his/her admission will stand cancelled.

#### **RULES AND REGULATION OF ATTENDANCE**

1. Candidates admitted to a particular course of study are required to pursue a "Regular course of study" as prescribed by the University before they are permitted to appear for the University Examination.
2. "A regular course of study" means putting in attendance not less than 75% for individual subject.
3. a) In special cases and for sufficient causes shown, the Principal of the institute may, on the specific recommendation the Head of the Department, condone the deficiency in attendance to the extent of 15 % on medical ground subject to submission of medical certificate.

b) However, in respect of women candidates who seek condonation of attendance due to pregnancy, the Principal may condone the deficiency in attendance to the extent of 25 % (as against 15 % Condonation for other) on medical grounds subject to submission of medical certificate to this effect. Such condonation be availed twice during the entire course of study leading to degree in Engineering and Technology.

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4. "Active Participation in N.C.C/N.S.S. Camps or Inter collegiate or Inter University or Inter State or International matches or debates of Educational Excursions or such other Inter University activities as approved by the authorities involving journeys outside the city in which the college is situated will not be counted as absence. However, such 'absence shall not exceed (4) weeks per semester of the total period of instructions. Such leave should not be availed more than twice during the entire course of study.
5. The attendance shall be calculated on individual papers/subjects from the date of commencement of the semester.
6. In case of the candidates who fail to put in the required attendance in a course of study, he/she shall be detained in the same class and will not be recommended to appear for the University examination.
7. A candidate detained in semester I should take readmission in next academic year as a regular student and shall have to complete all the theory and practicals as a regular student.
8. In case a candidate is detained in semester II, he/she should take admission to Semester II of next academic year and complete all the theory and practicals as a regular student of semester II
9. In case of change of syllabus the candidate even if detained in semester II should take readmission in next academic year for Semester I and II as a regular student and complete all the theory and practical's as a regular student.

### SCHEME OF INSTRUCTIONS AND EXAMINATION

1. Instructions about the curriculum in the various subjects in each semester of all the four years shall be provided by the University.
2. The details of instruction period, examination schedule, vacations etc. shall be notified by the Principal of the College as per the University academic calendar
3. The medium of instruction and examination shall be English.
4. At the end of each semester, University examinations shall be held as prescribed in the respective schemes of examination.

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5. The examinations prescribed may include written papers, practical and oral, tests, inspection of certified sessional work in Drawing and Laboratories and work done by students in each practical examination, along with other materials prepared or collected as part of Lab work/Project.
6. All the rules for examinations prescribed by the University from time to time shall be adhered to.
7. A candidate shall be deemed to have fully passed the Examination of a semester, if he/she secures not less than the minimum marks/grade as prescribed.
8. Institutions will be encouraged to adopt modern tools in classroom/labs to deliver the course contents.
9. Institutions will be encouraged to conduct online class tests.

### Q.874

The Third Year Examination in Engineering will be held in two parts T.E. semester-I and T. E. semester- II. No candidate will be admitted to T.E. semester-I examination unless he/she produce testimonials of having kept one term, for the subject under S.E. semester-I and II satisfactorily in a college of engineering affiliated to this University after passing the Second year examination of engineering other examination recognized as equivalent thereto as per the admission rules to Third year engineering prescribed by the Government of Maharashtra and Dr. B.A.M.University from time to time.

### R.1861

- i. In case a candidate fails in one or more heads of passing at the T.E. semester-I Examination after taking that examination at the end of first term as a regular student, he/she will be allowed to appear again for only those heads of passing in which he/she has failed at his/her immediately subsequent semester-I examination.
- ii. That the marks obtained by the candidate at semester-I Examination shall be carried forward unless the candidate desires to appear for a paper in which he has failed and then gracing of marks should be done as a whole for semester-I and semester-II examination taken together.

### R.1862

- a) Candidates who secure 45% or more but less than 50% marks in the aggregate and pass the examination will be declared to have passed the examination in Pass Division.
- b) Candidates who secure 50% or more but less than 60% marks in the aggregate and pass the examination will be declared to have passed the examination in Second Division.
- c) Candidates who secure 60% or more but less than 66% marks in the aggregate and pass the



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examination will be declared to have passed the examination in first Division.

- d) Candidates who secure 66% or more marks in the aggregate and pass the examination will be declared to have passed the examination in First Division with Distinction.
- e) For calculating the percentage for the purpose of giving weightage while awarding division in Final Examination to the students admitted to first year engineering, the maximum marks prescribed and the marks obtained by the examinee in the particular examinations shall be taken into consideration with the following weightages.

F.E. - 10%, S.E. -  
10%, T.E. - 40%  
, B. E. - 40%

This shall be applicable for the students admitted in first year from academic year 2011-2012 onwards.

- f) In case of the students directly admitted to the second year, the weightage while awarding Division in Final Examination the maximum marks prescribed and the marks obtained by the Examinee in the particular examinations shall be taken in to consideration

S.E. - 20%, T.E. -  
40%  
B. E. - 40%

This shall be applicable for the students admitted in second year from academic year 2012-2013 onwards.

### R.1863

In case a candidate fails in the examination but desires to appear again thereat.

- a) He may, at his option, claim exemption from appearing in the head or heads of passing in which he has passed.
- b) Such exemption, if claimed, shall cover all the heads of passing- in which it can be claimed.
- c) Such exemption, if not availed of at the immediately subsequent appearance of the candidate at the examination, shall be deemed to have lapsed.
- d) He /She may, at his option claim exemption from appearing in head or heads of passing of his choice and appear in the remaining head or head/s of passing to make-up the deficiency in the aggregate, if he has passed in all the heads of passing but has failed to secure a minimum of 45% of the aggregate marks.
- e) The Marks obtained by a candidate for such term work as separately assessed will be carried over unless fresh term work is presented by him. A candidate whose marks are thus carried over shall

