

PRICE OF BOOKLET Rs. 50/-

FEES FOR CET Rs. 500/-

(FOR RESERVATION: Rs. 250/-)



DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY,
AURANGABAD.



Brochure

2010-11

CET FOR M. Phil. IN COMPUTER SCIENCE

DATE: 24TH JULY 2010

**DEPARTMENT OF COMPUTER SCIENCE AND
INFORMATION TECHNOLOGY**



Introduction of CET:

Those students who are seeking admission to M. Phil. in Computer Science in the Department for Academic Year 2010-2011 have to go through the CET Examination. The final merit list of provisionally selected candidates will be prepared based on 40% Marks obtained at qualifying examination and 40% Marks from CET Score and 20% marks for Personal interview. There will be a cut off of 50% marks for CET. The details are given below.

1. Objectives and Features of the course :

- The course is designed to motivate technical ability through research perspective.
- Research work/dissertation work would be carried out under the guidance of the highly qualified teachers in the Department.

2. Eligibility :

He must have taken M. Sc. in Computer Science or M. Sc. Information Technology or MCA Engineering and Technology or Science Faculty or M.E./M. Tech. in Computer Science and Engineering or Information Technology Degree with at least 55% marks. Candidates of this University or of any other statutory University where the grading system is prevalent he should have passed the degree in equivalent cumulative Grade Point Average.

3. Intake Capacity :

Intake Capacity: 20

4. The Reservation will be as per the Government Rules. .

5. Credit Based System :

Introduction:

The Department of Computer Science and Information Technology has adapted a credit-based system under the academic flexibility Program of the university. This provides the flexibility to make the system more responsive to the changing needs of our students, the professions and society. It gives greater freedom to students to determine their own pace of study. The credit-based system also facilitates the transfer of credits.

The Course:

The department has classified various courses in terms of their credit. For convenience each course has been given a number. The first digit of the number represents the number of credits associated with the course. The second two digits provide the level of the course. T in front of the number means theory course and P means Practical course. Any number greater than 50 means the level of the course is Post graduate and less than 50 means it is for graduate. One credit in theory course is equivalent to about 15 lectures of 1 hour, whereas it is two hours of practical in practical course. The students are supposed to



take courses not less than 24 of credits in each semester. In four semesters, they are required to complete minimum 96 credits to 100 credits.

In every semester the courses offered by the department will be known to students and students are asked to opt for the courses listed by the department.

One or more than one teacher will be assigned to each course. The teacher(s) is (are) required to give details of the syllabus. The syllabus will describe the objective of the course. It will describe the detail time table regarding coverage of these topics. The text book, reference book etc will also be mentioned. The teacher will also describe in the syllabus about method of evaluation to the students. Thus it will be responsibilities of the concerned teacher(s) to provide the following information:

- i. **Teacher Information:** The teacher concerned will provide information about his contact number and his availability to students.
- ii. **Course Description:** It will provide objective of the course and the topics to be covered.
- iii. **Text Books and other references:** It will describe how all materials to be used in the course.
- iv. **Exams and Grading:** This will be described during the course
- v. **Programming Assignments & Portfolio:** This is regarding assignments and their weightage in grading.

6. The Grading :

At the end of each semester, the teacher will assign grades to each student and will submit it to the department. The department will submit these grades to the university to give official results to students.

The grade will be as follows :

- | | |
|---------------------------|-------------------------|
| 1. A+ will have 10 points | 5. C+ will have 6 point |
| 2. A will have 9 points | 6. C will have 5 point |
| 3. B+ will have 8 points | 7. D will have 4 point |
| 4. B will have 7 point | 8. F will have 0 point. |

Any student with F grade will be considered to be failed in the course. He has to repeat the course in the next semester or in some other semester as instructed by the Head of the department. **There will not be any reevaluation or reexamination in the system.**

The Grade Point Average (GPA): The student will have GPA in the range of 4 to 10 computed as follows:

$$\text{GPA} = \frac{\text{Sum (Course credit * number of points in the course by a student)}}{\text{Sum (Course Credit)}}$$

The final grade will be assigned to students on the basis of final GPA, as follows:

Final Grade as per the final GPA:



GPA	Final Grade	Equivalent Percentage
9 – 10	A ⁺	More than 75%
8 – 9	A	60% to 75%
7 – 8	B ⁺	55% to 60%
6 – 7	B	50% to 55%
5 – 6	C ⁺	45% to 50%
4 – 5	C	40% to 45%
< 4	F	Below 40%

7. Course Curriculum :

The course is designed with three semesters. The contents of the three semesters are:

Semester I:

Sr.No	Name of Course	Scheme of credits
1	Research Methodology	4 theory+2 tutorial+2 seminar = 8 credits
2	Theory of Computation	4 theory+2 tutorial+2 seminar = 8 credits

Semester II:

Sr.No	Name of Course	Scheme of credits
1	Advanced Computer System Architecture	4 theory+2 tutorial+2 seminar = 8 credits
2	Optional	4 theory+2 tutorial+2 seminar = 8 credits

Semester III:

Sr.No	Name of Course	Scheme of credits
1	Dissertation Work	18 credits

List of optional:

1. Advance software Engineering
2. Software quality assurance and Testing
3. Requirement engineering
4. Disciplined Software Processes
5. Knowledge Representation and Reasoning
6. Theory of programming languages
7. Data compression
8. Image processing
9. Computer Vision



10. Speech processing
11. Digital signal processing
12. Advance Human Computer Interaction
13. Information Retrieval system
14. Software Management and Economics
15. Advance operating Systems
16. Software Architecture
17. Distributed Systems
18. Grid Computing
19. Design and Analysis of Programming languages
20. HCI Models and theories

Note: The course is designed for 50 credits.

8. Exam Pattern of CET

- a. Marks 50
- b. Time One Hour

9. Syllabus for CET

The objective type questions will be set for CET examination. The subjects are:

1. Operating System = 05 marks
2. Data Structure = 05 marks
3. Microprocessor = 05 marks
4. Compiler Design = 05 marks
5. Computer Graphics = 05 marks
6. C++ = 05 marks
7. DBMS = 05 marks
8. Discrete Mathematical Structure = 05 marks
9. Computer System Architecture = 05 marks
10. Software Engineering = 05 marks

10. Evaluation: The merit list will be prepared as per the following procedure :

40% marks of CET, 40% marks obtained at qualifying examination and 20% marks for Personal interview. There will be a cut off of 50% marks for CET.

11. Important Dates :

- Date of Announcement: 21st June 2010.
- Last Date of Application Submission: 20th July 2010.
- Date of CET Examination: 24th July 2010.
- Personal Interview: 26th July 2010.
- Display of Merit List: 26th July 2010.
- Last date for taking admission: 31st July 2010.
- Welcome address by Head of the Department: 2nd August 2010.
- Commencement of course: 2nd August 2010.

12. Fees Structure:

- a) Tuition fees = Rs/- 8000
- b) Laboratory fees = Rs/- 5000



c) Other fees = Rs/- 2000

Total fees = Rs/- 15000*

Examination Fees :

Fees for examination will be as follows

- a) Rs/- 1500 * for I and II semester each
- b) Rs/- 2000 *for III semester (The dissertation viva voce)

*** Fees likely to be modified as per the university rule and regulation for the academic year 2010-2011 and will be applicable to the concern students**

Note: Tuition Fees for NRI or NRI Sponsored Students will be charged as per University rules.

13. Price of Booklet Rs. 50/-

14. CET Examination Fees Rs. 500/- for Open Category and

Rs. 250/- for Reserve Category.

Note:-

1. Fees of Booklet and CET Exam can be paid in Cash/DD in favor of **The Registrar, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad** payable at **Aurangabad** in the Department during working hours and collect the booklet and form.
2. Registration form and booklet can also be downloaded from the website www.csit.bamu.net or www.bamu.net and submit in the Department along with fees for the booklet and CET Examination in the form of Cash/DD in favor of **The Registrar, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad** payable at **Aurangabad**
3. Students should reach the center at 11.00 PM on the day of CET.

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

Department of Computer Science & Information Technology

Application Form for Entrance Examination 2010-11

Please Submit Separate form for each subject

THIS FORM SHOULD BE RETURNED : Department of Computer Science & Information Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad-431 004 (MS) INDIA (csit.bamu.net)

Office Use Only
Seat No

Affix Your
Passport Size
Photograph and
Attested by your
principal or Head
of Department

Course for Which you are applying

Course Title : M. Phil. in Computer Science

Particulars of the DD	Bank Name	DD Number	Date

Sir,

I would like to appear for Entrance Examination to be conducted by the Department of Computer Science & Information Technology, Dr. Babasaheb Ambedkar Marathwada University Aurangabad for **M.Phil.** in Computer Science Course for the Academic Year 2010 -2011.

Particulars of Students

Name In CAPITAL LETTERS: (Surname)		<i>Middle Name</i>		<i>Fathers/Husbands Name</i>			
Gender Male : <input type="checkbox"/> Female : <input type="checkbox"/>		Date of Birth :					
Category* :	Open : <input type="checkbox"/>	OBC : <input type="checkbox"/>	SC : <input type="checkbox"/>	ST : <input type="checkbox"/>	NT-A : <input type="checkbox"/>		
	NT-B : <input type="checkbox"/>	NT-C : <input type="checkbox"/>	NT-D : <input type="checkbox"/>	SBC : <input type="checkbox"/>			
Name of College :				Name of University			
Name of the Organization in which currently working							
% of marks obtained in the qualifying examination. (Aggregate Marks) *							
Address for Correspondence				Phone No with STD Code			
				E-Mail ID			
				Mobile No			
				Place :			
				Date : / /			

Further, I declare that the information given above is true to the best of my knowledge.

Signature of the Candidate: _____

(* Enclose necessary documents)



* ENROLLMENT FORM-2010-2011 *



Receipt cum Hall Ticket

Entrance Test Examination 2010-11

Affix Your
Passport Size
Photograph and
Attested by your
principal or Head
of Department

M. Phil. in Computer Science

Full Name of the Candidates _____
(As per SSC Certificate)

Examination Centre: Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

Date and time of Examination: 24 July 2010
11 :00 AM to 1:00 PM

Seat No:

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Signature of the Clerk

Signature of the Candidate

Date : / /

Note :

1. No entry to examination hall without hall ticket
2. Report the examination centre before half an hour for seating arrangement, at Department of Computer Science & Information Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on the same date.
3. All rights reserved by the Departmental Committee



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