DR. BABASAHEB AMBEDKAR OPEN UNIVERSITY

(Established by Government of Gujarat)

School of Computer Science
Revised Syllabus for
Diploma in Computer Application
June-2020

DCA Programme

Revised Syllabus 2020 Onwards
(As per UGC Model Curriculum)

BAOU
Education
for All

"Jyotirmay" Parisar, Opp. Shree Balaji Temple, S. G. Highway,
Dr. Babasaheb Ambedkar Open University Road, Chharodi,
Ahmedabad-382 481 - Website : www.baou.edu.in

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June-2020-2021

Introduction:

Dr. Babasaheb Ambedkar Open University is unique, being the only state distance mode-open University of Gujarat, established by the Government of Gujarat. The prime objective of the University is to equip its learners with knowledge, skills and competencies associated with employability through flexible, learner-centred and technology enhanced way following the basic principles of open and distance education.

The School of Computer Science, Dr. Babasaheb Ambedkar Open University offers a wide range of programmes in Computer Science & Information Technology for the benefit of one and all. The main focus of the school is to expose the students with the latest technologies in the field of Computer Science & Information Technology so that the student is able to fill the gap that exists between the supply and the demand of the technically trained manpower in the field of CS & IT.

Diploma in Computer Application establishes a basic knowledge of computer application and familiarize with windows operating system, using built-in accessories, managing files and folders using windows explorer, installing hardware and software etc.

Objectives

- ✓ To apply the computer hardware and software skills.

- ✓ To apply the installation and maintenance of operating system.

- ✓ To apply the networking technologies.

- ✓ To apply the programming approach.

- ✓ To establish a practical knowledge for problem-solving.

- ✓ To establish information skills in further studies.

- ✓ To Develop skills and attitudes needed for critical thinking which will help learners to develop comprehensive problem solving approach.

- ✓ To understood the role of IT in a changing world from the ethical perspective through promoting fair information technology and professional practices. The objective is to encourage the learner to practice peaceful co existance establish knowledge skills in IT / Business environment.

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Subject Code	Course Code	Subject Name	Credit	
		First Semester	**Theory+Pratical**	
DCAR-101	DCA	Fundamental of Computer and Information Technology	4	–
DCAR-102	DCA	Operating System and Software Installation	4	–
DCAR-103	DCA	Fundamental of Programming Using C Language	2	2
DCAR-104	DCA	Introduction to internet Technologies and HTML	2	2
DCAR-105	DCA	Comunication Skills	4	--
		Second Semester	**Theory+Pratical**	
DCAR-201	DCA	Data Structure Using C	4	–
DCAR-202	DCA	Database Management System (DBMS)	2	2
DCAR-203	DCA	Digital Electronics and Computer Organisation	4	–
DCAR-204	DCA	Object Oriented Concepts & Programming-1 (Core Java)	2	2
DCAR-205	DCA	System Analysis and Design	4	--

Outline of the Programme :

- The code for this course is DCA.
- For every semester and for every subject the codes will be different.
- Diploma in Computer Application (DCA) consists of Eight (08) Subjects in the duration of twelve (12) months, which is divided into two semesters.
- The student is entitled to get 4 credits of one subject.
- The whole DCA course will have a total of 40 credits.
- Eligibility for Admission: 10+2 or equivalent examination passed (in any stream) from a Council/ University recognized by UGC.
- Duration of Course: Minimum 1 year and Maximum 4 years.
- Course fee: Rs.7000/- per Semester
- Centers: Recognized/Approved study centers of University
- SLM (Self learning Material): It will be provided to all Enrolled students.
- Counseling sessions: Saturday and Sunday at all approved centers.
- Students are required to submit two assignments to the study center for the evaluation purpose. For their assignment's submission, they must follow the deadlines assigned by the university.
- Semester wise Exams: January/ February & June/ July

Assessment of Student	
Continuous Evaluation	Based on the Assignment (30%)
Yearly Exams	Based on Yearly Exams (70%)
Standard of Success	To pass 35% marks in Assignment and Yearly Evaluation

Facilities

❖ Counselling sessions at the respective Learner Support Centre.

❖ ICT Support: ICT support is a major component of any ODL system of education. Our University has as such given emphasis on this. Some ICT-based support systems provided by the University for the learners of are listed below:

- Website: www. baou.edu.in
- E - Self Learning Material
- Swadhyaya TV
- VANDE Gujarat — Dedicated VANDE Gujarat Channel Number 16
- Virtual Classroom
- Online Admission
- Secured Examination
- Cash-Less Campus
- ASK-ME kiosk
- Educational Apps

Course Outcomes

- To develop a basic understanding of elements of information technology and to encourage rational thinking and problem-solving skills so that learners can develop rational decision making skill that works under dynamic situations.
- To develop comprehensive knowledge of computers, accounting, information technology management and information technology law
- To enable the learners to find solutions to the real-life information technology problems through the application of theoretical managerial concepts and principles.
- To encourage the learner to apply ethical practices in information technology and ethical environment.
- To enable learners in attaining enrichment of skills so as to facilitate grater employability.

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