

DR. BABASAHEB AMBEDKAR OPEN UNIVERSITY

(Established by Government of Gujarat)

School of Computer Science
Post Graduate Diploma in Computer Application(PGDCA)
June-2020

PGDCA Programme

(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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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.

The Post Graduate Diploma in Computer Application (PGDCA) help slernersacquire required skills in InformationTechnology. The curriculum of this programme ensures that learners gain thorough hunderstanding abou tcritical concept slike data base, networking, programming, etc.

Objectives:

- ✓ To introduce the problem solving skills using programming language
- ✓ To introduce the use of object oriented techniques
- ✓ To gain knowledge of core java programming
- ✓ To Build small applications using java
- ✓ To provide understanding of major functions of operating system.
- ✓ To provide overview of distributed operating system
- ✓ To introduce the students to the need and applications of a typical computer network
- ✓ To introduce students to the basic architecture and working of the currently used wired broadband technology over telephone lines ADSL technology and ADSL Modems/Routers.
- ✓ To be able to understand the process of developing software for the mobile

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Subject Code	Course Code	Subject Name	Credit	
			Th	Pr
		First Semester	Th	Pr
PGDCA-101	PGDCA	Architecture of Computers	4	-
PGDCA-102	PGDCA	Object Oriented Concepts	2	2
PGDCA-103	PGDCA	Rational Database Management	2	2
PGDCA-104	PGDCA	Fundamentals of Operating System	2	-
PGDCA-105	PGDCA	Internet & Web Designing HTML 5, CSS, JAVA Scripts, XML	--	2
		Second Semester	Th	Pr
PGDCA-201	PGDCA	Fundamentals of Computer Networking	4	--
PGDCA-202	PGDCA	Web Application Development	2	2
PGDCA-203	PGDCA	Mobile Application Development	2	2
PGDCA-204	PGDCA	Object Oriented Analysis and Design	2	-
PGDCA-205	PGDCA	Project	--	4
		Total Credit	34	

Outline of the Programme:

- The code for this course is PGDCA.
- For every semester and for every course the codes will be different.
- Post Graduate Diploma in Computer Application (PGDCA) 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 PGDCA course will have a total of 34 credits.
- Eligibility for Admission: Any Graduate from a recognized university is eligible for enrolment in the programme.
- Duration of Course: Minimum 1 year and Maximum 4 years.
- Course fee: Rs. 7500/- 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

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

- The programme provides learners opportunity to gain extensive knowledge and understanding about the principles and practices behind key computer application subjects.
- Enhance professional skills to develop solution requiring a holistic outlook in the IT field and organizational context.
- This course is intended to get broad understanding of basic concepts in relational database and develop application program to manage and retrieve data from different perspective using Structured Query language using MYSQL open source database system.



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