INDIRA GANDHI NATIONAL OPEN UNIVERSITY
STUDENT REGISTRATION DIVISION

NOTIFICATION

Subject: Revision of Post Graduate Diploma in Computer Applications (PGDCA) programme from January, 2021 Admission Cycle - Reg.

With the approval of the Competent Authority, it is hereby notified that the **Post Graduate Diploma in Computer Applications (PGDCA) programme** has been revised in terms of program structure, eligibility, etc. **The revised code for the program shall be PGDCA_NEW and it will be on offer from January 2021 admission cycle.**

The details of the Program Coordinator are as follows:

Name   : Dr. Sudhansh Sharma

Contact No.   : 011-29572910

Email   : pgdca@ignou.ac.in

The revised programme details as received from **SOCIS** are enclosed / attached herewith for information.

23.12.20

Registrar (SRD)
डॉ. हिमांशु कुमार बोस
कुलसचिव (वि.पं.प्र.) इग्नू
Dr. Himansu Kumar Bose
Registrar (SRD) IGNOU

Distribution to:

1. All Schools / Divisions
2. All Regional Centres
3. Director, RSD - for compilation / updating of the list of programmes / study centres
4. **Director, SOCIS**
5. **Programme Co-ordinator, PGDCA_NEW**
6. DD, VCO
7. All sections of SRD/CSRC
8. Office copy

School of Computer and Information Sciences (SOCIS)

Post Graduate Diploma in Computer Applications (PGDCA_NEW) (Revised)

Objective: The broad objective of the Post Graduate Diploma in Computer Applications (PGDCA_NEW) programme is to prepare graduate students for productive careers in software industry. The programme's thrust is on giving the students a thorough and sound background in theoretical and application-oriented courses relevant to the latest computer software development. The programme emphasizes the application of software technology to solve mathematical, computing, communications/networking and commercial problems.

This PG Diploma is a stand-alone programme consists of 10 courses (No. of Theory Courses–6, No. of Practical Courses–4) worth 32 credits. It has been designed with a semester approach in mind. The courses are aimed at skill development in computers using various technologies. It prepares the student to aim for a programmer level/web developer in a software company to design and develop small business application software or lab personnel/technician in institutions or a freelancer to develop software projects.

Eligibility: Any Bachelor's degree of minimum 3 (three) year duration from a recognized University AND Mathematics as one of the subject at 10+2 level or Graduation level.

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OR

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Any Bachelor's degree of minimum 3 (three) year duration from a recognized University AND **doesn't have** Mathematics as one of the subject at 10+2 level or graduation level. These students are required to successfully complete BCS-012 (Graduate level Mathematics course) as Bridge Course.

Note: *It is essential to obtain atleast 50% marks in the qualifying examination (45% marks in case of candidates belonging to reserved category) for admission to MCA. Please refer to eligibility conditions for admission to MCA.*

Medium of Instruction: English

Duration: Minimum 1 year and Maximum 3 years; offered in both January & July cycle of admissions.

Fee Structure: Rs. 21,600/- for full Programme to be paid semester wise @Rs.10800/- per semester. Non-Maths students have to pay Rs.1400/- additional in the first semester.

Programme Details: The programme has been divided into two semesters per year (January-June and July-December). Consequently, there will be two examinations every year- one in the month of June for the January to June Semester courses and the other is December for the July to December semester courses. The students are at liberty to appear any of the examinations conducted by the University during the year subject to completing the minimum time frame and other formalities prescribed for the programme.

Course Code	Title of the course	Theory / Practical/Project	Credits
	Semester I		
MCS-201	Programming in C and Python	Theory	4
MCS-202	Computer Organisation	Theory	4
MCS-203	Operating Systems	Theory	4
MCSL-204	WINDOWS and LINUX Lab	Practical	2
MCSL-205	C and Python Lab	Practical	2
	Semester II		
MCS-206	Object Oriented Programming Using Java	Theory	4
MCS-207	Database Management Systems	Theory	4
MCS-208	Data Structures and Algorithms	Theory	4
MCSL-209	Data Structures and Algorithms Lab	Practical	2
MCSL-210	DBMS and Java Lab	Practical	2

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No. of Theory Courses – 6   No. of Practical Courses – 4   Total Credits: 32

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Programme Coordinator: Dr. Sudhansh Sharma, pgdca@ignou.ac.in, Ph. 011-29572910