

# BACHELOR OF COMPUTER APPLICATION (BCA)

*COURSE CODE-401*

The programme aims to meet the manpower requirement of the fast developing software industry. Students are exposed to all aspects of computer applications. Practical training is provided in web site development.

**Duration of the programme** : Minimum three years and maximum six years  
**Medium of instruction** : English

## ELIGIBILITY

A candidate seeking admission to the above programme must have passed 10+2 Examination with **Mathematics as one of the subjects** from a recognized institution.

## COURSE STRUCTURE

First Year	Second Year	Third Year
Computer Fundamentals	Computer System Architecture	Software Engineering
PC Software	Object Oriented Programming in C++	Java Programming
Computer Mathematics	System Analysis & Design	Operating Systems Administration with Windows 2000
Principles of Management	Database Application in MS Access	Advanced Web Development
Lab-I: (PC Software)	Lab-I: (C++ Application Development)	Lab-I: Website Development
Programming Fundamentals	Numerical and Statistical Analysis	Project Work
Operating Systems	Data Structures in 'C'	
Programme in 'C'	Computer Networks	
Business Systems	Web Technologies	
Lab-II: (Programming in 'C')	Lab-II: Implementing Data Structures in 'C'	

PROSPECTUS 2010-11

## B.Sc. in Multimedia and Animation (BSCMA)

*COURSE CODE-404*

The programme aims to meet the manpower requirement of the fast developing Multimedia and Animation industry. Students will be exposed to all aspects of computer applications and Practical training related to Multimedia and Animation.

**Duration of the programme** : **Minimum three years (Maximum span period: 6 years)**

**Medium of instruction** : **English**

### ELIGIBILITY

A candidate seeking admission to the above programme must have passed **10+2 Examination from a recognized institution.**

### COURSE STRUCTURE

First Year	Second Year	Third Year
Language i) English ii) Hindi/Arabic	Advance Art Concept-I	3D Imagery Basic and Advance
Basic Art and Visualization	Advance Art Concept-II	Advance Compositing and Animation
Fundamental of Computer and Multimedia	Classical Animation-I	Advance 3D Animation (From Elective papers)
Approaching Vector Graphics	Classical Animation-II	3D Animation Portfolio Development
Creating Graphic Design Portfolio	Basic Digital Animation and Compositing	Project
Editing	2 D Animation Portfolio	Interview Skills
Web Animation and Design, and Designing Portfolio for Web	Job Skills	
Soft Skills		

# BACHELOR OF BUSINESS ADMINISTRATION (BBA)

*COURSE CODE 403*

The study programme aims to provide contemporary education and training to meet the challenges of the evolving global scenario and changing environment in business administration.

**Duration of the programme** : **Minimum three years and maximum six years**  
**Medium of instruction** : **English**

## ELIGIBILITY

A candidate seeking admission to the above Programme must have passed **10+2 Examination** from a recognized institution. No age bar.

## COURSE STRUCTURE

First Year	Second Year	Third Year
Principles of Management	Business Policy	Corporate Governance
Financial Accounting	Business Law	Marketing Research
Business Communication	Human Resource Management	Sales Management
Computer Fundamentals	Organizational Behaviour	Total Quality Management
Marketing Management	Mathematics for Business and Economics	Conflict Management and Negotiation Skills
Managerial Economics	Financial Management	Environmental Management
Business Statistics	Advertising Fundamentals	Leadership
Production & Operations Management	Entrepreneurship & Small Business Management	Project Work

## POST GRADUATE DIPLOMA IN BIO-INFORMATICS (PGDB)

*COURSE CODE- 651*

This programme aims to provide a step-by step review of biological and chemical literature through a curriculum of in-depth study. Students are also exposed to integration of information technology with biological science principles.

**Duration of the Programme** : **Minimum one year and maximum two years**  
**Medium of Instruction** : **English**

### ELIGIBILITY

A candidate seeking admission to the above programme must have passed B.Sc. examination in Biology or B.Sc. in Maths/Statistics with Biology as one of the subjects in 10+2 examination from a recognized institution.

### COURSE COVERAGE

• Introduction to Bio-informatics
• Basics of Bio-computing
• Bio-statistics
• Biological Databases and their Management
• Computational Biology
• Biochemistry
• Microbiology

# POST-GRADUATE DIPLOMA IN CHEMOINFORMATICS (PGDC)

*COURSE CODE - 652*

The programme aims to create a workforce, with a sound knowledge in Chemistry and Computer technology with applications in the upcoming areas of drug design and development.

**Duration of the Programme** : **Minimum one year and maximum two years**  
**Medium of Instruction** : **English**

## ELIGIBILITY

A candidate seeking admission to the above Programme must have passed B.Sc. or equivalent examination with Chemistry as one of the subjects from a recognized institution.

## COURSE COVERAGE

• Basics of Chemo-Informatics
• Medical Chemistry-Receptor Ligand Interaction
• Modern Combinatorial Chemistry
• Chemo-Informatics Database Design and their Management
• Chemical Information Sources
• Computational Chemistry
• Data Sequencing, Mining and Visualization
• Drug Design and Discovery

## POST GRADUATE DIPLOMA IN DIETETICS AND THERAPEUTIC NUTRITION (PGDDTN)

*COURSE CODE - 653*

Diet plays an important role in the management of diseases. This programme provides opportunities to acquire knowledge on nutritional needs of sick as well as healthy persons. The programme also provides comprehensive knowledge on principles and planning of therapeutic diet, which a dietitian needs in clinical area.

**Duration of the programme** : **One year, which comprises of theory and practical class followed by two months of hospital internship; maximum duration is two years.**

**Medium of Instruction** : **English**

### ELIGIBILITY

A candidate seeking admission to the above programme must have passed Bachelor Degree in Home Science/Biological Science.

### COURSE COVERAGE

• Applied Health Science and Nutrition
• Diet Therapy and Applied Nutrition
• Community Nutrition
• Institutional Management in Dietetics
• Basics of Computer Science

# POST-GRADUATE DIPLOMA IN PHARMACEUTICAL REGULATORY AFFAIRS (PGDPRA)

*COURSE CODE -654*

The main objective of this course is to provide an interdisciplinary knowledge of pharmacy and law as applicable in the field of pharmaceutical regulation at national and international levels. The course prepares the students to pursue career in pharmaceutical industry, drug licensing and control authorities, and export-import agencies dealing with the pharmaceuticals.

**Duration of the Programme** : **Minimum one year and maximum two years**  
**Medium of Instruction** : **English**

## ELIGIBILITY

A candidate seeking admission to the above programme must have passed Bachelor Degree in Pharmacy or Medical Sciences. A candidate having Bachelor Degree in any discipline with two years of experience in Pharma Industry will also be eligible.

## COURSE COVERAGE

- An Introduction to Pharmaceutical Drug Regulatory Affairs
- General Pharmaceutical Laws and Guidelines
- Drug regulatory Affairs in India
- Information and Quality Management
- Chemical, Pharmaceutical and Biological Aspects of Regulatory documentation
- Clinical Trials and Health care policies
- International licensing
- Regulatory considerations in Controlled Drug Delivery and Future Aspects of Biopharmaceuticals

# POST-GRADUTE DIPLOMA IN ENVIRONMENTAL MONITORING AND IMPACT ASSESSMENT (PGDEMI A)

*COURSE CODE - 655*

This course has been designed to develop trained manpower for research institutions, Universities and industries in the areas of environmental monitoring, environmental impact assessment, environmental health protection and evaluation of damage to ecology.

**Duration of the Programme** : Minimum one year and maximum two years  
**Medium of Instruction** : English

## ELIGIBILITY

A candidate seeking admission to the above programme must have passed B.Sc. in any branch of Science.

## COURSE COVERAGE

• Ecology and Environment
• Environmental Legislation
• Environmental Pollution and Quality Standards
• Instruments in Environmental Monitoring
• Contaminated Land and Remediation
• Air Quality Monitoring
• Water Quality Monitoring
• Environmental Impact and Risk Assessment

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# POST-GRADUATE DIPLOMA IN INTELLECTUAL PROPERTY RIGHT (PGDIPR)

*COURSE CODE - 656*

There is a global upsurge in innovation and demand for patents in knowledge based businesses like Agro, Biotech, IT and Consumer products. The objective of the course is to create awareness in the field of Intellectual Property in particular the patents. It will prepare the students to conduct international patent searches, drafting patent claims and patent applications. It will help them to seek IPR related career opportunities in Department of Indian Corporate Sector and MNCs, Government institutes and Law firms

**Duration of the Programme** : **Minimum one year and maximum two years**  
**Medium of Instruction** : **English**

## ELIGIBILITY

A candidate seeking admission to the above programme must have passed Bachelor's degree examination in any branch of science.

## COURSE COVERAGE

• Introduction to intellectual Property
• Types of Intellectual Property
• IPR in Pharma Technology
• IPR Litigation/Farmer's and Breeder's Right
• IPR in IT, Electronics and Communications
• IPR Laws
• Patent Right Creation and Registration
• Patent Right Drafting and Specification Writing

## POST-GRADUATE DIPLOMA IN HUMAN RIGHTS (PGDHR)

*COURSE CODE - 657*

On December 10, 1948 the General Assembly of the United Nations adopted and proclaimed the Universal Declaration of Human Rights. Article 1 of this declaration states “All human beings are born free and equal in dignity and rights. They are endowed with reason and conscience and should act towards one another in a spirit of brotherhood.” Therefore, human rights are integral to human development, especially for the communities who are socially and economically marginalized. Recognizing importance of Human Rights, Jamia Hamdard has launched this study programmes in Human Rights through Open and Distance Learning mode.

**Duration of the Programme** : **Minimum one year and maximum two years**  
**Medium of Instruction** : **English**

### ELIGIBILITY

A candidate seeking admission to the above programme must have passed Bachelor's degree examination in discipline.

### COURSE COVERAGE

- Perspectives and Foundations of Human Rights
- Development and Promotion of Human Rights
- Human Rights and Duties in International Perspective
- The Socially-economically Disadvantaged and Human Rights
- Impact of Technology on Human Rights
- Human Rights and Duties in India

# POST-GRADUATE DIPLOMA IN MEDICAL RECORD TECHNIQUES (PGDMRT)

*COURSE CODE - 658*

To fulfill the need of qualified personnel who can organize and maintain the hospital records, this course enables a person to have clear cut understanding about the function and management of medical record office which is an essential part of any hospital. It includes knowledge about legal aspects, technical aspects and statistics at par with current standard in a hospital.

**Duration of the Programme** : **One including 4 weeks of hands-on Practical Training; maximum duration two years.**  
**Medium of Instruction** : **English**

## ELIGIBILITY

Graduate in any discipline preferably with Biology background at 10+2 level.

## COURSE COVERAGE

- Medical Terminology
- International Classification of Diseases
- Medical Record Science
- Hospital Administration and Statistics
- Legal Aspects of Healthcare
- Healthcare Management System

## POST-GRADUATE DIPLOMA IN OCCUPATIONAL HEALTH MANAGEMENT (PGDOHM)

*COURSE CODE - 659*

The programme will focus on to provide practitioners working in the sector and fresh graduates with the capacity to develop essential skills and competencies for effective management and leadership in the sector. It will fulfill the need of qualified personnel to this sector who will be equipped to understand and communicate about key global trends that frame challenges, threats and opportunities in the sector and also have comprehensive understanding of the key concepts and spheres of all industries. This course enables the person with interdisciplinary knowledge of occupational health hazards and its safety management.

**Duration of the Programme** : **One year (2 semesters of six months each); maximum duration two years.**  
**Medium of Instruction** : **English**

### ELIGIBILITY

Graduate in any discipline.

### COURSE COVERAGE

- Occupational Health and Safety (OHS)
- Legal aspects of OHS
- Preventive and Promotive Care of OHS
- Organizational Behaviour and HR Issues in OHS
- Managerial Economics in OHS
- Project Management
- Environmental Health and OHS
- Project work

## DIPLOMA IN 3D ANIMATION (D3DA)

*COURSE CODE- 102*

Three D Animation skills are essential requirement in the field of computer aided graphic designing and other multimedia applications. By obtaining diploma in 3D Animation through exposure to fundamentals and applications of 3D animations the candidate will have better opportunity in the expanding job market for animators in India and aboard.

**Duration of the Programme** : **One year; maximum duration two years**  
**Medium of Instruction** : **English**

### ELIGIBILITY

A candidate seeking admission to the above programme must have passed 10+2 in any stream from a recognized institution.

### COURSE COVERAGE

• Foundation and Art of Animation
• Image and Video Editing
• Digital Animation
• Compositing
• CG Portfolio Development

## DIPLOMA IN WEB DESIGNING (DWD)

*COURSE CODE- 101*

Diploma in Web Designing is tailored for the individuals who are interested to obtain training in different types of Web Designing. They will be also exposed to Web Hosting concepts.

**Duration of the Programme** : **One year; maximum duration two years**  
**Medium of Instruction** : **English**

### ELIGIBILITY

A candidate seeking admission to the above programme must have passed 10+2 in any stream from a recognized institution.

### COURSE COVERAGE

• Concept of Multimedia
• Fundamentals of Graphics and Graphic Design Portfolio
• Understanding Web
• Exploring Web
• Web Hosting and Designing Concepts
• Soft Skills