



**ARKA JAIN**  
**University**  
Jharkhand



**Programme Project Report (PPR)**  
**Master of Computer Applications (MCA)**  
**2024-25**

**ARKA JAIN Centre for**  
**Distance and Online Education**  
**ARKA JAIN University, Jharkhand**

## About ARKA JAIN University

ARKA JAIN University was established in 2017. The University is situated in the serene, picturesque and green campus of 18.15 acres in the neighbourhood district of India's first Industrial City Jamshedpur (Tata Nagar). It is located in the tribal district of Seraikela–Kharsawan of Jharkhand. The University obtained 2(f) status from the University Grants Commission (UGC) and thus recognized by it as a degree awarding Institution. ARKA JAIN University is the first private university in the entire Kolhan region of Jharkhand, which comprises of three districts namely East Singhbhum, West Singhbhum and Seraikela–Kharsawan. Based on its academic and research performance, innovation outputs and societal. ARKA JAIN University is the first state Private University in Bihar, Jharkhand & West Bengal to be NAAC Grade A accredited. The University is ranked 3rd among the Top 15 emerging state private universities in the country by the prestigious Outlook iCare University rankings.

### **Vision:**

To Develop Human Capital by creating spirited learning environment by empowering the students with knowledge, skills and instil social responsibility towards holistic development

### **Mission**

- To impart multidisciplinary and a holistic education in order to ensure the unity and integrity of all knowledge
- To create academic impact through a combination of age-old tradition with modern scientific knowledge
- To create a lifelong learning environment that nurtures intellectual inquisitiveness, holistic & critical thinking, ethics and human values, equity and inclusion, and life skills, and thus making students responsible citizens and nation builder
- To augment the employability aspect of students as per global requirements
- To provide ideal environment for research, innovation, consultancy and entrepreneurship for larger and wider socio-economic and humanistic progress
- To endow the faculty and staff members with necessary means so that they can deliver on the stated lines
- To create a global tribe of technocrats, managers, entrepreneurs, scientists, biologists, pharmacists, artists and other professionals
- To engage with industry, and society at large, in productive manner
- To promote respect for diversity and respect for the local context in all curriculum, pedagogy, and policy

## Quality Policy

- To make sure that the academic programmes meet the accepted norms as per the stakeholder's requirements
- To ensure effective functioning of processes, systems and policies pertaining to quality standards at various levels
- To foster quality enhancement to realise academic excellence
- To empower students with knowledge, skills, attitudes by imparting quality education

## Core Value

- Ethics and integrity
- Environmental consciousness & sustainable development
- Promotion of Indian culture & heritage
- Active citizenry
- Intellectual and Moral Uprightness
- Service to society and contribution towards national development

## Master of Computer Applications

### 1. Programme's Mission & Objectives

#### Mission:

- To provide a special learning environment that supports students from diverse backgrounds and helps them grow into world-class citizens.
- To develop moral leaders with a strong sense of social responsibility and an awareness of the workings of the corporate world.
- To collaborate globally with academic institutions, industries, government and society for the development of sustainable world.

#### Objective

- To align Curriculum with Industry trends for Practical relevance
- To create opportunities for interdisciplinary learning, human values and professional ethics
- To develop holistic mindset and develop responsible citizens who are employable at local, national and global level
- To enable students to develop critical managerial thinking skills and entrepreneurial acumen

### 2. Relevance of the Program with HEI's Mission and Goals

ARKA JAIN University, Jharkhand was established with a vision to become a University with commitment to excellence in education, research and innovation aimed towards human advancement.

The Master of Computer Applications programme in Online Learning Mode makes a candidate eligible to choose your professional path based on their interests and technical proficiency. Students who complete this degree will have a strong technical foundation and a thorough understanding of computers, operating systems, programming languages, and their architecture. The objective of the programme is to efficiently convey concepts and complicated information that makes use of knowledge to address theoretical and practical issues. The stakeholder will exhibit scientific temperaments in day-to-day interactions and comprehend the moral implications of their choices, taking responsibility for them and being able to learn independently and throughout their lives.

The goal of Online Learning programme is to offer educational opportunities all the eligible and eager individuals who, for personal or professional reasons, are unable to enrol in conventional courses. Due to personal and professional obligations, many prospective students are unable to enrol in regular courses. The program's aims and objectives align with the mission and vision of HEI.

The proposed programme is highly relevant to the AJU's mission i.e.

- Facilitate holistic education through knowledge sharing, skilling, research and entrepreneurial development.
- Integrate academic and industrial collaborations towards nation's development.
- Mentor students' physical, mental, emotional, secular and spiritual attributes to become a valued human resource

As it aims to provide quality education to those aspiring candidates who are deprived of higher education due to the limited number of intake in the conventional mode of education in the Universities.

Moreover, to keep the quality intact the curriculum and syllabus has been designed at par with the conventional mode keeping in mind the specific needs and acceptability of the learners' OL mode and in keeping with the aims and objectives of the University ensuring the industry and future skills relevance.

### 3. Nature of Prospective Target group of learners

Graduates, executives and Working Professionals who are passionate in leadership roles but cannot attend full-time program due to constraints shall be the target students/learners of the Online Learning (OL) at ARKA JAIN University (AJU). We also target the learners from special target group for Online Learning. The special target group includes (PWD, Transgender, Defence paramilitary forces and prison inmates etc.). The candidates desirous of taking admission in MCA program shall have to meet the eligibility norms as follows-

**1. Passed BCA/ B. Sc. (IT) / Bachelor Degree in Computer Science Engineering or equivalent Degree.**

*or*

**2. Passed B.Sc./ B.Com./ B.A. / B. Tech / B. Voc. with Mathematics at 10+2 Level or at Graduation Level (with additional bridge Courses as per the norms of the concerned University). Obtained at least 50% marks (45% marks in case of candidates belonging to reserved category) in the qualifying examination.**

The OL-MCA programme at ARKA JAIN University is specifically designed for members of the working class, industry professionals for various government positions, academicians looking to enhance their credentials with an MCA. This provides the remote student with an opportunity to participate in the university's online learning programmes for individuals who lack the time to attend regular classes.

#### 4. **Appropriateness of Programme to be conducted in online learning mode to acquire specific skills and competence**

The University has identified the following **Programme Outcomes (PO)** and **Programme Specific Outcomes (PSO)** as acquisition of specific skills and competence in MCA Programme.

##### **Programme Outcomes (PO)**

**PO1. Computational Knowledge:** Understand and apply mathematical foundation, computing and domain knowledge for the conceptualization of computing models from defined problems.

**PO2. Problem Analysis:** Ability to identify, critically analyse and formulate complex computing problems using fundamentals of computer science and application domains.

**PO3. Design / Development of Solutions:** Ability to transform complex business scenarios and contemporary issues into problems, investigate, understand and propose integrated solutions using emerging technologies

**PO4. Solving Complex Computing Problems:** Identify and analyse software application problems in multiple aspects including coding, testing and implementation in industrial applications.

**PO5. Modern Tool Usage:** Ability to select modern computing tools, skills and techniques necessary for innovative software solutions

**PO6. Professional Ethics:** Ability to apply and commit professional ethics and cyber regulations in a global economic environment.

**PO7. Life-long Learning:** Recognize the need for and develop the ability to engage in continuous learning as a Computing professional.

**PO8. Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

**PO10. Societal & Environmental Concern:** Ability to recognize economic, environmental, social, health, legal, ethical issues involved in the use of computer technology and other consequential responsibilities relevant to professional practice.

**PO11. Individual & Team Work:** Ability to work as a member or leader in diverse teams in multidisciplinary environment.

**PO12. Innovation and Entrepreneurship:** Identify opportunities, entrepreneurship vision and use of innovative ideas to create value and wealth for the betterment of the individual and society.

##### **Programme Specific Outcomes (PSO)**

**PSO 1:** Understand and apply the computing techniques with mathematics and industrial concepts for solving the real time industrial problems.

**PSO 2:** Analyze, design, develop, test and maintain the software applications with latest

computing tools and technologies.

## 5. Instructional Design

The institution adopts outcome-based approach which ensures effective learning experiences of students through mapping modularized course outcomes and assessment. The program is designed with flexible micro learning methodology to ease the learner engagement. The course content are designed with learner-centric approach, creative study pattern and experimental examples to provide experiential learning both internal and industrial experts are involved in preparation of curriculum and course content. The curriculum is reviewed by set of experts, quality assurance team and Board of Studies (BoS) and approved by Academic Council.

### Duration

The total duration of the program is 2 years, consist of 4 semesters.

#### 5.1 Delivery Methodology:

Delivery methodology in AJU online learning programs is unique in many aspects. The online mode of imparting education at AJU relies on technology to take its academic programs to the doorsteps of learners far and wide. The system is more learner-oriented and the learner has to be an active participant in the learning process. It combines the features of conventional wisdom and the benefits of technology – driven techniques. A multi-channel approach is followed in knowledge acquisition.

It Comprises of the following support services:

- Self-learning material
- Assignments, Projects and Case studies with real time exposure
- Digital library resources
- Study material provided online
- Webinars of some periodicity
- Access to recorded lectures online and teachers who guide and support learners
- Study groups and online discussion forums
- Week-end or online orientation sessions
- Social Media groups for exchange of information and peer group interaction.

#### 5.2 Printed and Digital Material:

The Self Learning Materials in printed form shall be provided. The Self Learning Material (SLM) shall be sent by registered post. The university shall not be responsible for loss or

delay by the postal department. Soft copies of Self Learning Material (**E-SLM**) are also being provided to the learners through University’s website at web link.

### 5.3 Audio and visual Lessons:

The audio and video lessons are supplementary material for the enhancement of understanding of the subject. They will be used during counselling sessions at respective Learner Support Centres. A large repository of audio-visual educational programmes has already been prepared by the Media Centre and new lessons are regularly produced and uploaded. The Classes are recorded and have been uploaded in the HEI website.

### 5.4 Personal Contact Programme (PCP):

Personal Contact Programme (PCP) will be conducted either through Online (LMS) / Face-to-Face Counselling will be held in each semester as part of student support services. This would help the students to interact with experts in the course and clarify doubts. However, attendance is not mandatory.

### 5.5 E- Learning Portal:

E-Learning portal for online learning students will be a medium for the dissemination of knowledge, skill enrichment, assist in examination preparation, exchange of experience and collaborative participation.

#### Duration

The total duration of the program is 2 years, consist of 4 semesters.

#### Medium of Instruction

The medium of instructions and examination in ENGLISH only.

#### Programme Structure

The MCA Programme consists of 4 semesters, two semesters in each Year.

#### SEMESTER I

Course Code	Course Name	Internal	External	Credits
MCA-OL-101	Mathematical Foundations for Computer Science	30	70	4
MCA-OL-102	Computing Concepts and Problem Solving using C	30	70	3
MCA-OL-103	Data Communication and Computer Networks	30	70	4



MCA-OL-104	Data Structures	30	70	3
MCA-OL-105	Relational Database Systems	30	70	3
MCA-OL-106	Operating Systems	30	70	4
MCA-OL-107	Computing Concepts and Problem Solving using C Lab	15	35	1
MCA-OL-108	Data Structures Lab	15	35	1
MCA-OL-109	Relational Database Systems Lab	15	35	1
	<b>Total</b>			<b>24</b>

### SEMESTER II

Course Code	Course Name	Internal	External	Credits
MCA-OL-201	Advanced Database Systems	30	70	3
MCA-OL-202	Design and Analysis of Algorithms	30	70	3
MCA-OL-203	Java Programming	30	70	3
MCA-OL-204	Computer Organization and Architecture	30	70	4
MCA-OL-205	Cyber Security, Laws and Ethics	30	70	4
MCA-OL-206	Web Technologies	30	70	4
MCA-OL-207	Advanced Database Systems Lab	15	35	1
MCA-OL-208	Design and Analysis of Algorithms Lab	15	35	1
MCA-OL-209	Java Programming Lab	15	35	1
	<b>Total</b>			<b>24</b>

### SEMESTER III

Course Code	Course Name	Internal	External	Credits
MCA-OL-301	Application Development using Python	30	70	3
MCA-OL-302	Advanced Web Technologies	30	70	4
MCA-OL-303	Application Development using Python Lab	15	35	1
<b>Specialization : Computer Science &amp; IT / Data Analytics / Cyber Security</b>				
MCA-OL-304	Network Security and Cryptography	30	70	4
MCA-OL-305	Artificial Intelligence and Machine Learning	30	70	3
MCA-OL-306	Software Engineering	30	70	4
MCA-OL-307	Artificial Intelligence and Machine Learning Lab	15	35	1
<b>Specialization : Artificial Intelligence</b>				
MCA-OL-308	Big Data Management and Analytics	30	70	4
MCA-OL-309	Recommendation Systems	30	70	3

MCA-OL-310	Advanced Machine Learning	30	70	3
MCA-OL-311	Recommendation Systems Lab	15	35	1
MCA-OL-312	Advanced Machine Learning Lab	15	35	1
<b>Specialization : Fullstack Development</b>				
MCA-OL-313	React JS	30	70	3
MCA-OL-314	MERN Stack Development	30	70	3
MCA-OL-315	Front-End Development Project	30	70	4
MCA-OL-316	React JS Lab	15	35	1
MCA-OL-318	MERN Stack Development Lab	15	35	1
<b>Specialization : Data Science</b>				
MCA-OL-318	Data Mining	30	70	4
MCA-OL-319	SQL for Data Science	30	70	3
MCA-OL-320	Predictive Analytics using Machine Learning	30	70	3
MCA-OL-321	SQL for Data Science Lab	15	35	1
MCA-OL-322	Predictive Analytics using Machine Learning Lab	15	35	1
<b>Specialization : Cloud Computing</b>				
MCA-OL-323	Cloud Managed Services	30	70	3
MCA-OL-324	Containers and Microservices	30	70	3
MCA-OL-308	Big Data Management and Analytics	30	70	4
MCA-OL-325	Cloud Managed Services Lab	15	35	1
MCA-OL-326	Containers and Microservices Lab	15	35	1
	<b>Total</b>			<b>20</b>

### SEMESTER IV

Course Code	Course Name	Internal	External	Credits
<b>Specialization : Computer Science &amp; IT</b>				
MCA-OL-401	IT Project Management	30	70	4
MCA-OL-402	Big Data Analytics	30	70	4
MCA-OL-403	Internet of Things	30	70	4
MCA-OL-404	Data Visualization	30	70	3
MCA-OL-405	Data Visualization Lab	15	35	1
<b>Specialization : Data Analytics</b>				
MCA-OL-406	Natural Language Processing	30	70	4
MCA-OL-402	Big Data Analytics	30	70	4
MCA-OL-407	Deep Learning	30	70	4
MCA-OL-408	Computer Vision	30	70	3
MCA-OL-409	Computer Vision Lab	15	35	1
<b>Specialization : Cyber Security</b>				
MCA-OL-410	Cyber Threat Intelligence	30	70	4

MCA-OL-411	Defensive Cyber Security Technologies	30	70	4
MCA-OL-412	Vulnerability Analysis	30	70	4
MCA-OL-413	Penetration Testing	30	70	4
<b>Specialization : Artificial Intelligence</b>				
MCA-OL-414	Model Deployment and AI in practice	30	70	4
MCA-OL-415	Neural Networks and Deep Learning	30	70	4
MCA-OL-408	Computer Vision	30	70	3
MCA-OL-416	Natural Language Processing and AI	30	70	3
MCA-OL-409	Computer Vision Lab	15	35	1
MCA-OL-417	Natural Language Processing and AI Lab	15	35	1
<b>Specialization : Fullstack Development</b>				
MCA-OL-418	Application Development with Node.js	30	70	3
MCA-OL-419	Web APIs	30	70	4
MCA-OL-420	Software Testing	30	70	4
MCA-OL-421	CI/CD and DevOps	30	70	4
MCA-OL-422	Application Development with Node.js Lab	30	70	1
<b>Specialization : Data Science</b>				
MCA-OL-404	Data Visualization	30	70	3
MCA-OL-423	Time Series Analysis	30	70	3
MCA-OL-424	Text Mining	30	70	3
MCA-OL-425	Applied Analytics - Marketing, Web, Social Media	30	70	4
MCA-OL-405	Data Visualization Lab	15	35	1
MCA-OL-426	Time series Analysis Lab	15	35	1
MCA-OL-427	Text Mining Lab	15	35	1
<b>Specialization : Cloud Computing</b>				
MCA-OL-421	CI/CD and DevOps	30	70	4
MCA-OL-428	Cloud Security and Migration	30	70	4
MCA-OL-429	Microsoft Azure Essentials	30	70	3
MCA-OL-430	Google Cloud Platform Essentials	30	70	3
MCA-OL-431	Microsoft Azure Essentials Lab	15	35	1
MCA-OL-432	Google Cloud Platform Essentials Lab	15	35	1
MCA-OL-433	Cross-Functional Elective Course	30	70	4
MCA-OL-434	Project	30	70	6
	<b>Total</b>			<b>26</b>
<b>Total Credit</b>				<b>94</b>

## Student Support Systems

For easy and seamless services to students, the University has established the necessary arrangements for a variety of support services, including a counselling schedule and resource-oriented services evaluation methods and dates online modes to provide easy and smooth services for the students in the online mode.

There is now just one study centre on campus at the University. The University is not promoting any off campus study centre. The student will receive all student support services via an online and onsite single window system.

A coordinator who hold at least the position of Assistant Professor will head the study centre at the University. Depending on the needs of the students, these coordinators may add academic and non-academic staff.

## 6. Procedure for Admission, Curriculum transaction and Evaluation

The proposed programme in Online mode will be conducted by ARKA JAIN University with the support of various departments of the University. Eligibility criteria, course structure, detailed curriculum, duration of programme and evaluation criteria shall be approved by Board of Studies and Academic Council, AJU, Jharkhand which are based on UGC guidelines for the programmes which comes under the purview of OL mode for award of Degree.

Details of Procedure for admission in which eligibility criteria for admission and fee structure of the course, Curriculum includes Program delivery, norms for delivery of courses in OL mode, use of IT services to academic support services, course design academic calendar and Evaluation which includes Distribution of Marks in Continuous internal assessments, Minimum Passing criteria and system of Grading formats are given in detail as under.

### 6.1 Procedure for Admission

- Student can apply online, and send their form and copy of the certificates /credentials to the Programme Coordinator
- Upon selection, the offer of admission letter shall be sent to the students with instructions to pay fees online/ DD.
- On receipt of fees, admission is confirmed, and enrolment number and Identity Card will be issued.

### 6.2 Eligibility

1. *Passed BCA/ B. Sc. (IT) / Bachelor Degree in Computer Science Engineering or equivalent Degree.*

or

2. *Passed B.Sc./ B.Com./ B.A. / B. Tech / B. Voc. with Mathematics at 10+2 Level or at Graduation Level (with additional bridge Courses as per the norms of the concerned University). Obtained at least 50% marks (45% marks in case of candidates belonging to reserved category) in the qualifying examination.*

### 6.3 Program Fees:

Fees applicable for the MCA online program will be Rs. 25,000 per semester (Rs. 50,000 per year). Programme fees can be paid through Demand Draft, Cash & Cheque at the time of admission.

### 6.4 Registration Fees:

One-time registration fees Rs. 3,000/- to be paid (towards processing charges) through Demand Draft “at the time of submission of Application Form along with relevant copies of certificates and mark sheet.

### 6.5 Activity Schedule:

S. No.	Activity	Tentative months schedule (specify months) during year			
		From (Month)	To (Month)	From (Month)	To (Month)
1	Admission	Jul	Sep	Jan	Feb
2	Assignment submission (if any)	Oct	Dec	Apr	Jun
3	Evaluation of Assignment	Nov	Dec	Apr	May
4	Examination	Dec	Jan	Jun	Jun
5	Declaration of Result	Jan	Feb	Jul	Aug
6	Re-registration	Jan	Feb	Jul	Sep
7	Distribution of SLM	Sep	Nov	Mar	Apr
8	Contact Programmes (counselling, Practical's. etc.)	Oct	Dec	Apr	Jun

### 6.6 Evaluation:

**a. Continuous evaluation in the form of assignments (Weightage 30%)**

This component carries the weightage of 30%. There will 20 % marks midterm examination and 10% on Projects /Assignments / Activities.

**b. Term-end Examination (Weightage 70%)**

End term examination will conducted twice in a year odd semester in the month of December and even in the month June. The students will be allowed for the examination if he/she fills the examination registration form. For appearing in the Examination, every student has to submit an examination form through on-line before the due date.

## 7. Requirement of the Laboratory Support and Library Resources

The library at the ARKA JAIN University aims to support the academic mission and intellectual culture of the community by providing access to a well-organized collection of information and guidance on how to assess, evaluate, and access it.

The University library fosters advanced learning and discovery by providing access to a wide range of resources for study, research and creative work to ensure and promote a vibrant exchange of ideas in the quest for knowledge.

## Laboratory Support

A student desirous to complete BCA Programme is supposed to perform practicals related with IT Tools, Programming in 'C' / C++/ Java & DBMS and other related practical courses. Structured Lab manuals will be provided by the University for this purpose.

## Library Resources

ARKA JAIN University has excellent library with all the books required for the course learning and reference books for the course of BCA. Adequate online learning links and e-learning materials will also be provided to students which will support students in their learning cycle.

The Library is automated using LIBMAN and OPAC an integrated (Open Access). The Library has linked with SCC online, Manupatra, All india reporter and delnet. There are 2400 items incorporated in the LIBMAN LMS. In terms of e-resources subscribers are guided towards 26 destinations for e-books, 16 destinations for e-journals, 7 destinations for e-thesis, 24 destinations for e-databases, 36 destinations for e-reference, 14 destinations for e-magazines/ news digest, 16 destinations for digital repositories and 18 destinations for e-learning.

## 8. Cost estimate of the Programme and the provisions

The University covered the initial costs for infrastructure, manpower, printing of self-study materials, and other expenses. The following information outlines how the university plans to distribute costs from the overall amount of fees collected:

a) Study Learning Material Development and Distribution	:	20%
b) Postal Expense	:	10%
c) Salary and other Administrative expenses	:	60%
d) Future development	:	10%

Programme fees has to be planned in accordance with guidelines and norms set up by the University Grants Commission rules after they are operational.

## 9. Quality assurance mechanism and expected Programme outcomes

The quality of the program depends on the course curriculum and syllabus which meets the requirement of the industry and creates the skillful learning in the students. The ultimate aim of MCA program in Online Learning Mode is to enhance skills of the learners as managers, entrepreneurs and seeing them excel in their profession and meeting global standards too by upgrading their career opportunities.

The ARKA JAIN University has constituted Centre for Internal Quality Assurance (CIQA). The CIQA will do periodic assessment of the online learning course material and audio video tutorials and will assure that the quality of learning is maintained and time to time changes are made as per the requirement of the course. The CIQA will also access the quality of assignments, quizzes and end term assessment time to time and required changes will be

assured by them to maintain the quality of the learning program. CIQA will assure that the learning is made a truly global experience for the learner along with inculcation of required skills in the learner as expected program outcome with ARKA JAIN University Jharkhand.

The University has established the Centre for Internal Quality Assurance (CIQA) / Internal Quality Assurance Cell (IQAC) in the University campus. The CIQA / IQAC will monitor and maintain the quality of the OL programmes. It has the following objectives in making the compliances of quality implementations.

## **Objectives**

The goal of the Centre for Internal Quality Assurance, also known as the Internal Quality Assurance Cell, is to create and implement a dynamic and all-encompassing internal quality assurance system to guarantee that the higher education programmes offered by higher education institutions online and through open and distance learning are of a quality that is acceptable and continuously improved.

## **Functions of CIQA**

The functions of Centre for Internal Quality Assurance would be following:

- i. To maintain quality in the services provided to the learners.
- ii. To undertake self-evaluative and reflective exercises for continual quality improvement in all the systems and processes of the Higher Educational Institution.
- iii. To contribute in the identification of the key areas in which Higher Educational Institution should maintain quality.
- iv. To devise mechanism to ensure that the quality of Open and Distance Learning programmes and Online programmes matches with the quality of relevant programmes in conventional mode.
- v. To devise mechanisms for interaction with and obtaining feedback from all stakeholders namely, learners, teachers, staff, parents, society, employers, and Government for quality improvement.
- vi. To suggest measures to the authorities of Higher Educational Institution for qualitative improvement.
- vii. To facilitate the implementation of its recommendations through periodic reviews.
- viii. To organize workshops/ seminars/ symposium on quality related themes, ensure participation of all stakeholders, and disseminate the reports of such activities among all the stakeholders in Higher Educational Institution.

- ix. To develop and collate best practices in all areas leading to quality enhancement in services to the learners and disseminate the same all concerned in Higher Educational Institution.
- x. To collect, collate and disseminate accurate, complete and reliable statistics about the quality of the programme (s).
- xi. To ensure that Programme Project Report for each programme is according to the norms and guidelines prescribed by the Commission and wherever necessary by the appropriate regulatory authority having control over the programme.
- xii. To put in place a mechanism to ensure the proper implementation of Programme Project Reports.
- xiii. To maintain a record of Annual Plans and Annual Reports of Higher Educational Institution, review them periodically and generate actionable reports.
- xiv. To provide inputs to the Higher Educational Institution for restructuring of programmes in order to make them relevant to the job market.
- xv. To facilitate system based research on ways of creating learner centric environment and to bring about qualitative change in the entire system.
- xvi. To act as a nodal coordinating unit for seeking assessment and accreditation from a designated body for accreditation such as NAAC etc.
- xvii. To adopt measures to ensure internalization and institutionalization of quality enhancement practices through periodic accreditation and audit.
- xviii. To coordinate between Higher Educational Institution and the Commission for various quality related initiatives or guidelines.
- xix. To obtain information from other Higher Educational Institutions on various quality benchmarks or parameters and best practices.
- xx. To record activities undertaken on quality assurance in the form of an annual report of Centre for Internal Quality Assurance.
- xxi. It will be mandatory for Centre for Internal Quality Assurance to submit Annual Reports to the Statutory Authorities or Bodies of the Higher Educational Institution about its activities at the end of each academic session. A copy of report in the format as specified by the Commission, duly approved by the statutory authorities of the Higher Educational Institution shall be submitted annually to the Commission.

After enrolling MCA Programme at ARKA JAIN University in Online Learning mode, student will exhibit understanding in areas such as critical thinking, effective communication and



develop problem solving, scientific temperament with right set of ethics and attitude towards environment and sustainability. After completion of MCA. Programme, student will participate in multiple functional areas of science and technology.