MCA
(2 Years)

DTE CODE : 510124110
DTE CODE : 510124111T
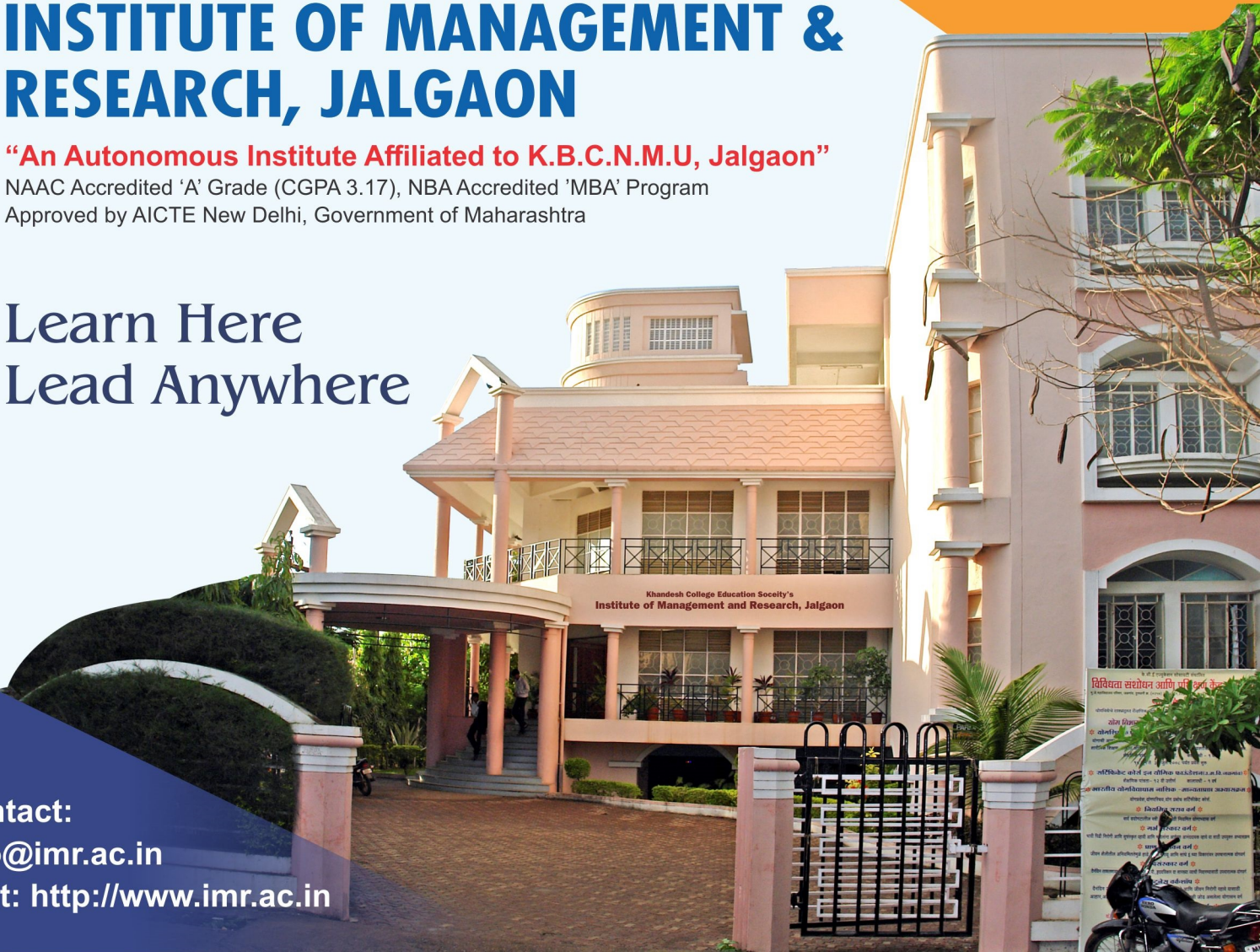
Khandesh College Education Society's

INSTITUTE OF MANAGEMENT & RESEARCH, JALGAON

"An Autonomous Institute Affiliated to K.B.C.N.M.U, Jalgaon"

NAAC Accredited 'A' Grade (CGPA 3.17), NBA Accredited 'MBA' Program
Approved by AICTE New Delhi, Government of Maharashtra

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About KCES's IMR, Jalgaon

Khandesh College Education Society, Jalgaon, established in 1944 is a profound academic movement with various institutes under its umbrella. Institute of Management & Research, Jalgaon was established in the year 1986 and is a pioneer institute in the field of management education in North Maharashtra Region, and continues to be an Institute of repute in its 39th year!

The Institute stands tall in North Maharashtra with dedicated and committed faculty, good infrastructure, learning resources and progressive teaching pedagogy with consistent placement record and a vibrant campus life.

Located in the heart of the city, IMR has an enviable infrastructure, a spacious lobby and computer labs, latest teaching aids and learning resources. The Institute has well stacked libraries with numerous National & International Journals along with adequate e-journals and a number of titles.

Our institute has tie-ups with prestigious organizations both academic and from industry which is a part of our continuing efforts to improve the quality of education and exposure to students and society.

The Institute is well known for activities which are not only student friendly but also focus on the upliftment of society in general and stakeholders in particular. The institute was recently awarded 'Outstanding Management college in India for Industry - Institute interface, for its outstanding contribution to Education, Skill and Research by **Centre for Education Growth & Research** (CEGR) New Delhi.

Vision:
Committed to provide value based, quality, professional and technical education to the students and empowering them with the required skill sets and competencies to face challenges of the fast changing global environment.

Mission:
- To provide necessary technical and professional education with a view to uplifting the lives of rural and urban students.
- To create a conducive platform for students to develop their skills and knowledge.
- To encourage innovation and research aptitude among students.
- To inculcate global ethics and human values in all the learners.

DTE Code	Intake
510124110	180
510124111T	9

*Fees as per the Maharashtra State Government regulatory body

Mr. N. G. Bendale
President

President Message
"KCES's IMR the pioneering management institute of the North Maharashtra region has been one of the most favoured one. It has kept its high standard of education right from its inception in 1986. Today, it is one of the premier academic institutions committed to achieve the highest academic standards. Apart from the routine academic exercises, the students get practical experience in varied co-curricular and extra-curricular activities, providing them a training-ground to meet the challenges in life."

Prof. B. V. Pawar
Director

Director Message
It gives me immense pleasure to welcome aspiring technocrats to KCES's Institute of Management & Research (IMR), Jalgaon, an institution with a distinguished legacy of over 39 years in nurturing academic excellence. Accredited with an 'A' grade by NAAC and NBA accreditation for the MBA program, IMR offers a dynamic learning environment with state-of-the-art infrastructure, advanced computing facilities, and well-equipped laboratories.

Our Master of Computer Applications (MCA) program is meticulously designed to equip students with the latest technological expertise and industry-relevant skills. Guided by an exceptional team of experienced faculty members, many of whom hold NET/SET qualifications and doctoral degrees, we ensure that our students receive a blend of theoretical knowledge and hands-on exposure.

IMR offers a cutting-edge curriculum aligned with the latest industry trends, ensuring that students develop strong analytical, programming, and problem-solving skills. We emphasize holistic development by encouraging active participation in hackathons, workshops, seminars, and industry internships, providing practical exposure beyond academics. Our dedicated placement cell supports students in securing promising career opportunities with leading IT firms. Guided by our Vision and Mission, we strive to cultivate innovative professionals equipped with a deep understanding of emerging technologies and ethical values, ready to excel in the digital landscape.

Join us at IMR and embark on a journey that transforms you into a future-ready software developer, programmer, or entrepreneur. Our commitment is to nurture your potential and help you thrive in the rapidly evolving digital landscape.

Wishing you great success in your academic and professional journey!

MCA Vision:
To become a preferred Institute in the field of computer science and technology, imparting relevant skills and knowledge to the students to meet emerging global challenges.

MCA Mission:
- To impart up-to-date technical knowledge.
- To develop students into successful professionals with analytical, logical and computational skills to provide sustainable solutions.
- To expose students to the current trends and opportunities in local as well as global IT Industry.
- To inculcate professional responsibility with an inherent ethical value system.
- To cultivate innovative thinking and research culture among students.

MCA Program Educational Objectives (PEO's)

PEO	PEO Statements
PEO- 1	Practical Knowledge : Use Modern tools and technologies for software development.
PEO- 2	Design and Development : Develop software solutions to problems across a broad range of application domains through analysis and design Contribute to research of their chosen field and function and communicate effectively, to perform both individually and in a multi-disciplinary team.
PEO- 3	Innovation and Entrepreneurship : Continue the process of life-long learning through professional activities; adapt themselves with ease to new technologies, while exhibiting high ethical and professional standards.

Program Outcome
- **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 analyze 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 - Conduct Investigations of Complex Computing Problems:** Ability to devise and conduct experiments, interpret data and provide well informed conclusions.
- **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 - Project Management and Finance:** Ability to understand, management and computing principles with computing knowledge to manage projects in multidisciplinary environments.
- **PO9 - Communication Efficacy:** Communicate effectively with the computing community as well as society by being able to comprehend effective documentations and presentations.
- **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.

MASTER IN COMPUTER APPLICATION (Autonomous)

Eligibility: Any Graduate (Min 45%)
COURSE STRUCTURE

First Year, SEMESTER–I, Level –6.0	
MCA-DSC-511	Mathematical Foundations of Computer Science
MCA-DSC-512	Computer Organization & Architecture
MCA-DSC-513	Python Programming
MCA-DSC-514	Database Management System
MCA-DSC-515	Lab on Python Programming
MCA-DSC-516	Lab on Database Management System
MCA-DSE-517(A)	Basics of Web Development
MCA-DSE-517(B)	Java Programming
MCA-DSE-518(A)	Lab on Basics of Web Development
MCA-DSE-518(B)	Lab on Java Programming

First Year, SEMESTER–II, Level–6.0	
MCA-DSC-521	Computer Networks
MCA-DSC-522	Operating System Concepts
MCA-DSC-523	Data Structures & Algorithms
MCA-DSC-524	Lab on Linux Operating System
MCA-DSC-525	Lab on Data Structures & Algorithms
MCA-DSE-526(A)	Advance Web Development-I
MCA-DSE-526(B)	Advance Java Programming
MCA-DSE-526 (C)	Machine Learning
MCA-DSE-527(A)	Lab on Advance Web Development-I
MCA-DSE-527(B)	Lab on Advance Java Programming
MCA-DSE-527(C)	Lab on Machine Learning
MCARM528	RM–Research Methodology

Second Year, SEMESTER–III, Level–6.5	
MCA-DSC-631	Fundamentals of Cloud Technologies
MCA-DSC-632	Software Engineering
MCA-DSC-633	Labon Software Engineering
MCA-DSE-634(A)	Advance Web Development-II
MCA-DSE-634(B)	Adv. Artificial Intelligence
MCA-DSE-635(A)	Web Development using Java
MCA-DSE-635(B)	Data Analytics
MCA-DSE-636(A)	Lab on Advance Web Development-II
MCA-DSE-636(B)	Lab on Web Development using Java
MCA-DSE-637(A)	Lab on Data Analytics
MCA-DSE-637(B)	Lab on Artificial Intelligence
MCA-RP-638	Minor Project (Research /S/W Development)

Second Year, SEMESTER–IV, Level–6.5	
MCA-OJT-641	Industrial Training
MCA-MOOC-642 (A/B/C)	MOOCs-Online Certificate Courses

Management Council of K.C.E. Society
Mr. N. G. Bendale, President

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Shri Sanjay Yashwant Prabhudesai	Member		Member

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Mrs. Ankita Kothari	Ms. Ashwini Patil	Ms. Chitralekha Bhangale
Mrs. Shamaela Shaikh	Mrs. Charuta Khadke	

Features of IMR

- Assured Campus Placement assistance.
- Softskill, English Communication, Aptitude Test Training for Placement.
- Bridge Course for Freshers.
- Extra focus on practical subjects.
- Committed and experienced faculty.
- Legacy of gold medalists.
- Industry Oriented Certificate Courses & Workshops in addition to syllabus.
- Wi-Fi Campus, Advance Computer Labs
- Library with ample books
- Ekalavya Sports Complex

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Mr. Punit Sharma (Training & Placement Officer - 8806936777)