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BACHELOR OF COMPUTER APPLICATIONS

Academic Session
2024-25
(July 2024)

MANAV RACHNA
CENTRE FOR DISTANCE
AND ONLINE EDUCATION
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THE MANAV RACHNA UNIVERSE

Manav Rachna Educational Institutions (MREI) is one of the premier names in higher professional education, with a diverse and dynamic spectrum of activities. the name actively promulgates life as an expedition of intellectual and individual discovery through highly innovative and flexible horizons. the Institutions comprise of 5 entities, a Deemed University, a State University, a Dental College and K-12 Schools

Prof. (Dr.) Shaveta Bhatia
Director-CDOE

DIRECTOR'S PROFILE

MANAV RACHNA: A LEGACY OF EXCEPTIONAL LEARNING

Manav Rachna Educational Institutions are the brainchild of Dr. O P Bhalla, an educationist, and a philanthropist. Founded in 1997, MREI is a visible symbol of knowledge & experience providing high-quality education in various fields. The institutions have over 39,000+ alumni base, 600+ reputed MNCs & Indian Corporate patronizing MREI, 165+ Patents (filed/granted), 86+ global academic collaborations, and 80+ Alumni & In Campus start-ups, 13 are the countries from which Manav Rachna students arrive, 1600 Research papers in International/ National Journals and Conferences. Institutions at MREI comprise Manav Rachna University (MRU), Manav Rachna Dental College (MRDC) and Manav Rachna International Institute of Research & Studies (MRIIRS).

Dr. Shaveta Bhatia serves as the Professor and Director, Centre for Distance and Online Education. A seasoned higher educator, Dr. Shaveta specialises in Mobile Computing, Web Applications, Data Mining, and Software Engineering while guiding research scholars in these areas. With over 20 years of academic and research experience, Dr. Shaveta has contributed immensely to the field of higher education. Her excellence is evident in her accomplishments as a member of several professional bodies like A CM, IAENG and CSI, and her active participation in various National and International Conferences. There are more than 50 publications to her credit in reputed National and International Journals and Conferences, with three successfully published books and two patents in her title.

Additionally, Dr. Shaveta serves as a member of numerous editorial boards of highly indexed journals. For her outstanding contribution to her work and education, Dr. Shaveta has been awarded the Dr. Kalam Educator Excellence Award, 2022-23 by Dr. Kalam International Foundation. Besides, she has been recognised with the Teachers Excellence Award-2023 by the International Institute of Organised Research, MSME, Government of India.

HIGHLIGHTS

- Bachelor of Computer Application (BCA) is designed to give students the modern core knowledge they need to understand how to apply technology to effectively solve practical and industrial challenges.

- The curriculum of the course instils professionalism, social awareness, and communication skills to work as a team in managing various surroundings for the benefit of society.

- The main goal of this programme is to promote creativity and inventive thinking by addressing design and developmental trade-offs in the IT industry and offering a real-time solution as a means of lifelong learning.

KNOWLEDGE PARTNER

Microsoft

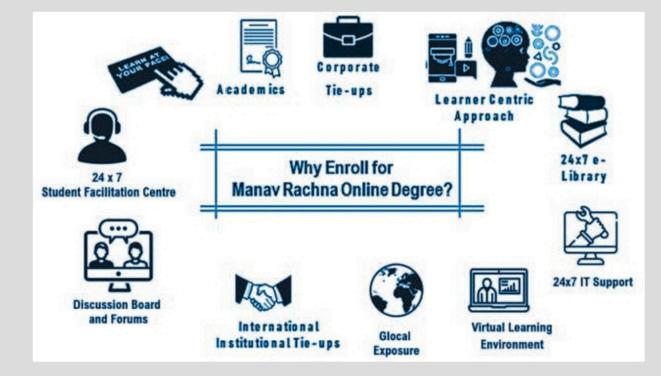## KEY BENEFITS FROM KNOWLEDGE PARTNER

(Microsoft)

- Get real life experience through interactive lab sessions.

- Learner will get Industry- recognized Course Completion Certificated.

- Student will get the understanding of Azure Machines and Virtual networking.

TOOLS AND TECHNOLOGIES COVERED

- NoSQL Databases
- MapReduce
- Python
- Hadoop
- Apache Server
- Spark SQL
- PySpark
- Scala
- MongoDB
- Azure

WHY ENROLL FOR MANAV RACHNA ONLINE DEGREE?

BCA PROGRAMME

ABOUT CENTRE FOR DISTANCE AND ONLINE EDUCATION (CDOE):

Manav Rachna Centre for Distance and Online Education has been launched under Manav Rachna International Institute of Research and Studies (NAAC 'A++' Grade Accredited Institution) to provide quality education to those students who are not able to draw any benefits from conventional systems of Education. Nine programmes in different streams namely Computer Applications, Management, Commerce, Business Administration and Economics are offered by University in online mode with specialization in different domain such as Healthcare, Business Analytics, Data Science, Banking and Finance, Artificial Intelligence, Cyber Security Digital Marketing, Blockchain and many more. In today's opportunistic world, specialized education is essential for successful professional life. Manav Rachna Centre for Distance and Online Education has collaborated with prominent industry partners to provide global career opportunities to the students and prepare and acquaint the students with the increased technology intensive requirement of today's time.

BACHELOR OF COMPUTER APPLICATIONS- ONLINE

MRIIRS is offering UGC approved BCA Online Degree Programme at Centre for Distance and Online Education.
"Bachelor of Computer Applications" at "Manav Rachna Centre for Distance and Online Education" provides Multi-disciplinary approach for the students to shape their career inside and outside their domain of education and to meet the evolving needs of the society.
The commitment of Multi-disciplinary education is to broaden the participation of student in higher education and lead to a more diverse community.
We have collaborated with the digital leader and industry partner namely Microsoft which provides digital components and an industry-based curriculum to our programme. The knowledge partner will be a mentor and provides certification and resources for the delivery of the courses. Our courses have been designed to meet the needs of the market, ensuring our students receive the most updated education possible.

SPECIALIZATIONS OFFERED

- Data Science and Big Data Analytics
- Cyber Security
- Artificial Intelligence and Machine Learning

MAJOR COURSES OFFERED

- Web Application Development
- Database Management System
- Software Engineering
- Internet Technologies
- Data Structures
- Programming in Java
- Operating System
- Shell Programming
- C Programming
- Object Oriented Programming using C++
- Multimedia and Animation
- Information Security
- Object Oriented Analysis and Design
- Security of Information system
- Programming in .Net
- Python Programming
- Data Communication and Networking
- Relational Database Management system

OTHER HIGHLIGHTS

KEY HIGHLIGHTS

- User-friendly Learning Management System
- Guided Mentorship with emotional connect
- Rigorous Assessment System
- Career advancement opportunity
- Customized curriculum designed as per industry needs
- Counseling Sessions, Regular Assessments and Progress Monitoring

- Career Guidance by Industry Experts
- Value Addition by International Experts and Renowned luminaries
- Interactive Live Lectures
- Reservoir of pre-recorded video lectures by highly qualified faculty
- Peer Group Learning
- Hands-on Learning

CAREER OPPORTUNITIES FOR BCA GRADUATE

- BCA is a job-oriented programme that helps students to pursue their career in the following job profiles:
- System Analyst
- Web Developer
- Data Scientist
- System Administrator
- Data Analyst
- E-Commerce Executive
- Ethical Hacker

CORPORATE CONNECTS

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WIPRO Applying Thought

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3pillar GLOBAL
Aricent

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CENTRE FOR DISTANCE AND ONLINE EDUCATION

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