

MCA SEMESTER-IV

Code	Subject
4101	Project
4102	Swayam based MOOC

Names of Elective-I	Names of Elective-II
Digital Image Processing	Soft Computing
Ethical hacking	GIS
IOT	Cyber Physical System
Game theory	NLP
Block Chain	Big Data Analytics



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(Approved by AICTE, New Delhi Affiliated to S.N.D.T. Women's University, Mumbai)

Rama Purushottam Vidya Sankul, 5th Floor,
Karvenagar, Pune-411052.

Phone: 020-25470171, 020-25477599,

Mob.: 9975862882, 9403580992

Mail: kbjiitbca@maharshikarvebcapune.org

Website: <https://maharshikarvebcapune.org/>



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Master of Computer Applications (MCA)

DTE CODE-6971
Choice Code 697124150

8767954498/9322280587

Rama Purushottam Vidya Sankul, 5th Floor, Karvenagar, Pune-52.

ELIGIBILITY

- (i) The candidate should be an Indian National;
- (ii) Passed BCA or Bachelor Degree in Computer Science Engineering or equivalent Degree and obtained at least 50% marks in aggregate (at least 45% in case of candidates of Backward Class categories, economically weaker section and Persons with Disability category belonging to Maharashtra State); Or
- (ii) Passed B.Sc. or B.Com. or B.A. with Mathematics at 10+2 Level or at Graduation Level (with additional bridge Courses as per the norms of the concerned University) and obtained at least 50% marks in aggregate (at least 45% in case of candidates of Backward Class categories, economically weaker section and Persons with Disability category belonging to Maharashtra State); (Candidates appearing for final year of qualifying examination are also eligible to appear for CET)

Job Opportunities

- ♦ Full stack developer
- ♦ Testing Professional
- ♦ System Analyst
- ♦ Software Application Architect
- ♦ Software Consultant
- ♦ Hardware Engineer
- ♦ Technical Writer
- ♦ Systems Developer/Engineer
- ♦ Web Designer and Developer
- ♦ Subject Matter Expert (SME)
- ♦ Entrepreneur



SYLLABUS

MCA SEMESTER-I

Code	Subject
1101	Mathematical Foundation of Computer science
1102	Research Methodology and IPR
1103	Advanced Data Structure
1104	Advanced Java (Contents: spring, MVC, Net Beans and Hibernate)
1105	Computer Network Programming using Linux
1201	Advanced Data Structure Lab
1202	Advanced Java lab

MCA SEMESTER-II

Code	Subject
2101	Managerial Economics
2102	Software Architecture
2103	Artificial Intelligence
2104	Advanced Databases
2105	Elective-I
2201	Web Engineering Lab (Contents: CSS, Angular js, node js, Ph P, Mysql, etc)
2202	Software Testing and Quality Assurance Lab
2203	Mobile Computing lab
2204	Artificial Intelligence Lab
2205	Advanced Databases Lab
2206	Research paper II - Research Mini Project

MCA SEMESTER-III

Code	Subject
3101	Cyber Security
3102	Data science and Analytics
3103	Cloud Computing
3104	Machine learning
3105	Elective-II
3201	Data science and Analytics lab (Content: Implementation using Python)
3202	Cloud computing Lab
3203	Elective-II Lab
3204	Machine learning lab
3205	Research Paper III- Presentation / Publication (Content: Technical communication for Research Paper Writing, Rubrics for evaluation)