



# माखनलाल चतुर्वेदी राष्ट्रीय पत्रकारिता एवं संचार विश्वविद्यालय

(मध्य प्रदेश विधानसभा के अधिनियम क्रमांक 15, 1990 द्वारा स्थापित)

MAKHANLAL CHATURVEDI NATIONAL UNIVERSITY OF JOURNALISM AND COMMUNICATION

(Setup by Act No.15, 1990 of M.P. Legislative Assembly)

क्र./अका./2021/ 213

भोपाल, दिनांक 30.01.2021

## अधिसूचना

विश्वविद्यालय की संशोधित अधिसूचना क्र. अका/2017/1409 दिनांक 05.09.2017 के द्वारा विश्वविद्यालय अनुदान आयोग के दिशा निर्देशों के अनुक्रम में विश्वविद्यालय के परिनियम (Regulation) क्र. 25 द्वारा शैक्षणिक सत्र जुलाई 2017 से विश्वविद्यालय के विभिन्न स्नातक एवं स्नातकोत्तर पाठ्यक्रमों में च्वाइस बेस्ड क्रेडिट सिस्टम (CBCS) लागू किया गया है। उक्त के अनुक्रम में सत्र अगस्त 2020 से प्रारंभ होने वाले नवीन निम्नलिखित पाठ्यक्रमों में च्वाइस बेस्ड क्रेडिट सिस्टम (CBCS) लागू किया जाता है।

स्नातकोत्तर पाठ्यक्रम:-

1. Master of Computer Applications – M.C.A. (AICTE द्वारा निर्देशित दो वर्षीय नवीन पाठ्यक्रम)

MCA Program there shall be, per semester two core courses compulsory with 5 credits each totalling 40 credits in the programme; per semester two core courses elective with 5 credits totalling 40 credits; per semester two skill enhancement courses each of 3 credits totalling to 24 credits for the programme and per semester one open electives with 3 credits totalling to 12 credits for the program. Thus the total credits for the entire program shall be, 116 equivalent to 2200 marks for the whole MCA Program.

### Scheme of Examination:-

#### Master of Computer Application - M.C.A. Ist SEMESTER (Course Code-102)

| S. No.                             | Course of Study | Paper Numerical Unique | Class & Papers | Paper Name/Subject                     | Th | IA | P  | Total |
|------------------------------------|-----------------|------------------------|----------------|----------------------------------------|----|----|----|-------|
| 1.                                 | CCC1            | 9048                   | 1MCA1          | Database Management System             | 50 | 20 | 30 | 100   |
| 2.                                 | CCC2            | 9049                   | 1MCA2          | Programming with VB.Net and ASP.Net    | 50 | 20 | 30 | 100   |
| <b>Elective : (Select Any TWO)</b> |                 |                        |                |                                        |    |    |    |       |
| 3.                                 | CCE1            | 9050                   | 1MCA3 (A)      | Operating Systems                      | 80 | 20 | -  | 100   |
| 4.                                 | CCE2            | 9051                   | 1MCA3 (B)      | Computer Organization & Architecture   | 80 | 20 | -  | 100   |
| 5.                                 | CCE3            | 9052                   | 1MCA3 (C)      | Discrete Mathematics                   | 80 | 20 | -  | 100   |
| <b>Elective : (Select Any TWO)</b> |                 |                        |                |                                        |    |    |    |       |
| 6.                                 | SEC1            | 9053                   | 1MCA4 (A)      | Linux Server Administration            | -  | 10 | 40 | 50    |
| 7.                                 | SEC2            | 9054                   | 1MCA4 (B)      | Programming with C++                   | -  | 10 | 40 | 50    |
| 8.                                 | SEC3            | 9055                   | 1MCA4 (C)      | Professional Communication Skills      | 40 | 10 | -  | 50    |
| <b>Open Elective : (Any One)</b>   |                 |                        |                |                                        |    |    |    |       |
| <b>I Semester</b>                  |                 |                        |                |                                        |    |    |    |       |
| 9.                                 | OE1             | 9056                   | MCA5           | Management Information Systems         | 40 | 10 | -  | 50    |
| 10.                                | OE2             | 9057                   | MCA5           | Advanced Excel                         | 40 | 10 | -  | 50    |
| 11.                                | OE3             | 9058                   | MCA5           | Multimedia Systems                     | 40 | 10 | -  | 50    |
| <b>II Semester</b>                 |                 |                        |                |                                        |    |    |    |       |
| 12.                                | OE4             | 9059                   | MCA5           | Statistical Methods                    | 40 | 10 | -  | 50    |
| 13.                                | OE5             | 9060                   | MCA5           | Virtual Reality                        | 40 | 10 | -  | 50    |
| 14.                                | OE6             | 9061                   | MCA5           | Angular Java Script                    | 40 | 10 | -  | 50    |
| <b>III Semester</b>                |                 |                        |                |                                        |    |    |    |       |
| 15.                                | OE7             | 9062                   | MCA5           | Social Media Mining                    | 40 | 10 | -  | 50    |
| 16.                                | OE8             | 9063                   | MCA5           | Service Oriented Architecture          | 40 | 10 | -  | 50    |
| 17.                                | OE9             | 9064                   | MCA5           | Software Testing and Quality Assurance | 40 | 10 | -  | 50    |
| <b>IV Semester</b>                 |                 |                        |                |                                        |    |    |    |       |
| 18.                                | OE10            | 9065                   | MCA5           | Blockchain Technology                  | 40 | 10 | -  | 50    |
| 19.                                | OE11            | 9066                   | MCA5           | Programming with Go                    | 40 | 10 | -  | 50    |

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|     |      |      |       |                                          |    |    |   |     |
|-----|------|------|-------|------------------------------------------|----|----|---|-----|
| 20. | OE12 | 9067 | MCA5  | Software Project Management              | 40 | 10 | - | 50  |
| 21. | OE13 | 9068 | MCA5  | Enterprise Resource Planning (ERP) & CRM | 40 | 10 | - | 50  |
| 22. | BC*  | 9069 | 1MCA6 | Bridge Course                            | 80 | 20 | - | 100 |

\* BC (Bridge Course):- For Those Students, who have passed their Graduation Exam without Computer Subjects Specializations. This course must be passed with MCA First Semester Examination.

## Master of Computer Application - M.C.A. IInd SEMESTER (Course Code-102)

| S. No.                             | Course of Study | Paper Numerical Unique | Class & Papers | Paper Name/Subject                       | Th | IA | P  | Total |
|------------------------------------|-----------------|------------------------|----------------|------------------------------------------|----|----|----|-------|
| 1.                                 | CCC3            | 9131                   | 2MCA1          | Data Mining and Business Intelligence    | 80 | 20 | -  | 100   |
| 2.                                 | CCC4            | 9132                   | 2MCA2          | Web Technologies                         | 50 | 20 | 30 | 100   |
| <b>Elective : (Select Any TWO)</b> |                 |                        |                |                                          |    |    |    |       |
| 3.                                 | CCE4            | 9133                   | 2MCA3 (A)      | Data Structures and Algorithms           | 80 | 20 | -  | 100   |
| 4.                                 | CCE5            | 9134                   | 2MCA3 (B)      | Computer Networks                        | 80 | 20 | -  | 100   |
| 5.                                 | CCE6            | 9135                   | 2MCA3 (C)      | Computer Graphics                        | 80 | 20 | -  | 100   |
| <b>Elective : (Select Any TWO)</b> |                 |                        |                |                                          |    |    |    |       |
| 6.                                 | SEC4            | 9136                   | 2MCA4 (A)      | Programming in Python                    | -  | 10 | 40 | 50    |
| 7.                                 | SEC5            | 9137                   | 2MCA4 (B)      | NOSQL Databases                          | -  | 10 | 40 | 50    |
| 8.                                 | SEC6            | 9138                   | 2MCA4 (C)      | Digital Marketing                        | 40 | 10 | -  | 50    |
| <b>Open Elective : (Any One)</b>   |                 |                        |                |                                          |    |    |    |       |
| <b>I Semester</b>                  |                 |                        |                |                                          |    |    |    |       |
| 9.                                 | OE1             | 9056                   | MCA5           | Management Information Systems           | 40 | 10 | -  | 50    |
| 10.                                | OE2             | 9057                   | MCA5           | Advanced Excel                           | 40 | 10 | -  | 50    |
| 11.                                | OE3             | 9058                   | MCA5           | Multimedia Systems                       | 40 | 10 | -  | 50    |
| <b>II Semester</b>                 |                 |                        |                |                                          |    |    |    |       |
| 12.                                | OE4             | 9059                   | MCA5           | Statistical Methods                      | 40 | 10 | -  | 50    |
| 13.                                | OE5             | 9060                   | MCA5           | Virtual Reality                          | 40 | 10 | -  | 50    |
| 14.                                | OE6             | 9061                   | MCA5           | Angular Java Script                      | 40 | 10 | -  | 50    |
| <b>III Semester</b>                |                 |                        |                |                                          |    |    |    |       |
| 15.                                | OE7             | 9062                   | MCA5           | Social Media Mining                      | 40 | 10 | -  | 50    |
| 16.                                | OE8             | 9063                   | MCA5           | Service Oriented Architecture            | 40 | 10 | -  | 50    |
| 17.                                | OE9             | 9064                   | MCA5           | Software Testing and Quality Assurance   | 40 | 10 | -  | 50    |
| <b>IV Semester</b>                 |                 |                        |                |                                          |    |    |    |       |
| 18.                                | OE10            | 9065                   | MCA5           | Blockchain Technology                    | 40 | 10 | -  | 50    |
| 19.                                | OE11            | 9066                   | MCA5           | Programming with Go                      | 40 | 10 | -  | 50    |
| 20.                                | OE12            | 9067                   | MCA5           | Software Project Management              | 40 | 10 | -  | 50    |
| 21.                                | OE13            | 9068                   | MCA5           | Enterprise Resource Planning (ERP) & CRM | 40 | 10 | -  | 50    |

## Master of Computer Application - M.C.A. IIIrd SEMESTER (Course Code-102)

| S. No.                             | Course of Study | Paper Numerical Unique | Class & Papers | Paper Name/Subject                         | Th | IA | P  | Total |
|------------------------------------|-----------------|------------------------|----------------|--------------------------------------------|----|----|----|-------|
| 1.                                 | CCC5            | 9231                   | 3MCA1          | Software Engineering                       | 80 | 20 | -  | 100   |
| 2.                                 | CCC6            | 9232                   | 3MCA2          | Java Programming                           | 50 | 20 | 30 | 100   |
| <b>Elective : (Select Any TWO)</b> |                 |                        |                |                                            |    |    |    |       |
| 3.                                 | CCE7            | 9233                   | 3MCA3 (A)      | Theory of Computation                      | 80 | 20 | -  | 100   |
| 4.                                 | CCE8            | 9234                   | 3MCA3 (B)      | Big Data                                   | 80 | 20 | -  | 100   |
| 5.                                 | CCE9            | 9235                   | 3MCA3 (C)      | Development and Operational Tools (DevOps) | 50 | 20 | 30 | 100   |
| <b>Elective : (Select Any TWO)</b> |                 |                        |                |                                            |    |    |    |       |
| 6.                                 | SEC7            | 9236                   | 3MCA4 (A)      | Programming with R                         | -  | 10 | 40 | 50    |
| 7.                                 | SEC8            | 9237                   | 3MCA4 (B)      | Internet of Things                         | -  | 10 | 40 | 50    |
| 8.                                 | SEC9            | 9238                   | 3MCA4 (C)      | User Interface Design                      | -  | 10 | 40 | 50    |
| <b>Open Elective : (Any One)</b>   |                 |                        |                |                                            |    |    |    |       |

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| I Semester   |      |      |      |                                          |    |    |   |    |
|--------------|------|------|------|------------------------------------------|----|----|---|----|
| 9.           | OE1  | 9056 | MCA5 | Management Information Systems           | 40 | 10 | - | 50 |
| 10.          | OE2  | 9057 | MCA5 | Advanced Excel                           | 40 | 10 | - | 50 |
| 11.          | OE3  | 9058 | MCA5 | Multimedia Systems                       | 40 | 10 | - | 50 |
| II Semester  |      |      |      |                                          |    |    |   |    |
| 12.          | OE4  | 9059 | MCA5 | Statistical Methods                      | 40 | 10 | - | 50 |
| 13.          | OE5  | 9060 | MCA5 | Virtual Reality                          | 40 | 10 | - | 50 |
| 14.          | OE6  | 9061 | MCA5 | Angular Java Script                      | 40 | 10 | - | 50 |
| III Semester |      |      |      |                                          |    |    |   |    |
| 15.          | OE7  | 9062 | MCA5 | Social Media Mining                      | 40 | 10 | - | 50 |
| 16.          | OE8  | 9063 | MCA5 | Service Oriented Architecture            | 40 | 10 | - | 50 |
| 17.          | OE9  | 9064 | MCA5 | Software Testing and Quality Assurance   | 40 | 10 | - | 50 |
| IV Semester  |      |      |      |                                          |    |    |   |    |
| 18.          | OE10 | 9065 | MCA5 | Blockchain Technology                    | 40 | 10 | - | 50 |
| 19.          | OE11 | 9066 | MCA5 | Programming with Go                      | 40 | 10 | - | 50 |
| 20.          | OE12 | 9067 | MCA5 | Software Project Management              | 40 | 10 | - | 50 |
| 21.          | OE13 | 9068 | MCA5 | Enterprise Resource Planning (ERP) & CRM | 40 | 10 | - | 50 |

## Master of Computer Application - M.C.A. IVth SEMESTER (Course Code-102)

| S. No.                      | Course of Study | Paper Numerical Unique | Class & Papers | Paper Name/Subject                         | Th | IA | P  | Total |
|-----------------------------|-----------------|------------------------|----------------|--------------------------------------------|----|----|----|-------|
| 1.                          | CCC7            | 9339                   | 4MCA1          | Cloud Computing                            | 50 | 20 | 30 | 100   |
| 2.                          | CCC8            | 9340                   | 4MCA2          | Project Work                               | -  | 20 | 80 | 100   |
| Elective : (Select Any TWO) |                 |                        |                |                                            |    |    |    |       |
| 3.                          | CCE10           | 9341                   | 4MCA3 (A)      | Management Theory & Practices              | 80 | 20 | -  | 100   |
| 4.                          | CCE11           | 9342                   | 4MCA3 (B)      | Artificial Intelligence & Machine Learning | 80 | 20 | -  | 100   |
| 5.                          | CCE12           | 9343                   | 4MCA3 (C)      | Mobile Application Development             | 80 | 20 | -  | 100   |
| Elective : (Select Any TWO) |                 |                        |                |                                            |    |    |    |       |
| 6.                          | SEC7            | 9344                   | 4MCA4 (A)      | Cyber Security                             | 40 | 10 | -  | 50    |
| 7.                          | SEC8            | 9345                   | 4MCA4 (B)      | Agile & Scrum                              | 40 | 10 | -  | 50    |
| 8.                          | SEC9            | 9346                   | 4MCA4 (C)      | Data Visualization                         | 40 | 10 | -  | 50    |
| Open Elective : (Any One)   |                 |                        |                |                                            |    |    |    |       |
| I Semester                  |                 |                        |                |                                            |    |    |    |       |
| 9.                          | OE1             | 9056                   | MCA5           | Management Information Systems             | 40 | 10 | -  | 50    |
| 10.                         | OE2             | 9057                   | MCA5           | Advanced Excel                             | 40 | 10 | -  | 50    |
| 11.                         | OE3             | 9058                   | MCA5           | Multimedia Systems                         | 40 | 10 | -  | 50    |
| II Semester                 |                 |                        |                |                                            |    |    |    |       |
| 12.                         | OE4             | 9059                   | MCA5           | Statistical Methods                        | 40 | 10 | -  | 50    |
| 13.                         | OE5             | 9060                   | MCA5           | Virtual Reality                            | 40 | 10 | -  | 50    |
| 14.                         | OE6             | 9061                   | MCA5           | Angular Java Script                        | 40 | 10 | -  | 50    |
| III Semester                |                 |                        |                |                                            |    |    |    |       |
| 15.                         | OE7             | 9062                   | MCA5           | Social Media Mining                        | 40 | 10 | -  | 50    |
| 16.                         | OE8             | 9063                   | MCA5           | Service Oriented Architecture              | 40 | 10 | -  | 50    |
| 17.                         | OE9             | 9064                   | MCA5           | Software Testing and Quality Assurance     | 40 | 10 | -  | 50    |
| IV Semester                 |                 |                        |                |                                            |    |    |    |       |
| 18.                         | OE10            | 9065                   | MCA5           | Blockchain Technology                      | 40 | 10 | -  | 50    |
| 19.                         | OE11            | 9066                   | MCA5           | Programming with Go                        | 40 | 10 | -  | 50    |
| 20.                         | OE12            | 9067                   | MCA5           | Software Project Management                | 40 | 10 | -  | 50    |
| 21.                         | OE13            | 9068                   | MCA5           | Enterprise Resource Planning (ERP) & CRM   | 40 | 10 | -  | 50    |

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स्नातक पाठ्यक्रम:-

1. Bachelor Library and Information Science- BLIS

Bachelor of Library and Information Science (BLIS) is after graduation two semester programme. In each semester, there will be 4 core compulsory paper of 6 credits each, 1 open elective of 3 credits. In all, entire programme constitute 54 credits, 27 credits each semester.

**Scheme of Examination:-**

**Bachelor of Library and Information Science (BLIS) One Year Semester-I (Course Code: - 197)**

| S. No.        | Course of Study | Paper Numerical Unique | Class & Papers | Paper Name/Subject                                    | Th | IA | P  | Total |
|---------------|-----------------|------------------------|----------------|-------------------------------------------------------|----|----|----|-------|
| 1.            | CCC1            | 2541                   | 1BLIS1         | Foundation of Library and Information Science         | 80 | 20 | -  | 100   |
| 2.            | CCC2            | 2542                   | 1BLIS2         | Information Processing (Classification & Cataloguing) | 80 | 20 | -  | 100   |
| 3.            | CCC3            | 2543                   | 1BLIS3         | Classification Practice CC and DDC                    | 50 | 20 | 30 | 100   |
| 4.            | CCC4            | 2544                   | 1BLIS4         | Cataloguing Practice CCC and AACR 2                   | 50 | 20 | 30 | 100   |
| Open Elective |                 |                        |                |                                                       |    |    |    |       |
| 5.            | OE1             | 2545                   | 1BLIS5         | Information Society and Communication                 | 25 | 10 | 15 | 50    |

**Bachelor of Library and Information Science (BLIS) One Year Semester-II (Course Code: - 197)**

| S. No.        | Course of Study | Paper Numerical Unique | Class & Papers | Paper Name/Subject                              | Th | IA | P  | Total |
|---------------|-----------------|------------------------|----------------|-------------------------------------------------|----|----|----|-------|
| 1.            | CCC5            | 2561                   | 2BLIS1         | Management Information Centers                  | 80 | 20 | -  | 100   |
| 2.            | CCC6            | 2562                   | 2BLIS2         | Information Technology : Theory                 | 80 | 20 | -  | 100   |
| 3.            | CCC7            | 2563                   | 2BLIS3         | Information Technology : Practice               | 50 | 20 | 30 | 100   |
| 4.            | CCC8            | 2564                   | 2BLIS4         | Information Sources, Systems and Services       | 50 | 20 | 30 | 100   |
| Open Elective |                 |                        |                |                                                 |    |    |    |       |
| 5.            | OE1             | 2565                   | 2BLIS5         | Academic Library and Media and Archives Library | 25 | 10 | 15 | 50    |
|               | OE2             | 2566                   | 2BLIS5         | Public Library and Information System           | 25 | 10 | 15 | 50    |
|               | OE3             | 2567                   | 2BLIS5         | Internship                                      |    |    |    | 50    |

संबंधित विभाग अगस्त 2020 से उपरोक्त नवीन पाठ्यक्रमों के अनुसार अध्यापन सुनिश्चित करेंगे। प्रत्येक पाठ्यक्रम में CCC (Core Course Complesory) एवं CCE (Core Course Elective) कोर्स (Course) रखे गये हैं, जो कि अनिवार्य होंगे। प्रश्नपत्रों को भविष्य में कोर्स (Course) के नाम से ही पहचाना जाएगा।

उक्त पाठ्यक्रमों के लिए इसके अतिरिक्त प्रत्येक सेमेस्टर में निम्नानुसार एच्छिक (Open Elective) विषय निर्धारित किये जाते हैं। विद्यार्थी अपनी रुचि के अनुरूप अपने पाठ्यक्रम में इन एच्छिक विषयों में से किसी एक का चयन कर संबंधित विभाग में इसका अध्ययन करेंगे।

| क्र | पाठ्यक्रम                               | एच्छिक (Open Elective) विषय                                                                                                                                                      | संचालक विभाग का नाम         |
|-----|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| 1   | स्नातक<br>(प्रत्येक विषय में 3 क्रेडिट) | Information Socieity and Communication (1BLIS)<br>Academic Library and Media and Archives Library (2BLIS)<br>Public Library and Information System (2BLIS)<br>Internship (2BLIS) | पुस्तकालय एवं सूचना विज्ञान |





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|   |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                    |
|---|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| 2 | स्नातकोत्तर<br>(प्रत्येक विषय में 3 क्रेडिट) | <b>Management Information Systems (1MCA)</b><br><b>Advanced Excel (1MCA)</b><br><b>Multimedia Systems (1MCA)</b><br><b>Statistical Methods (2MCA)</b><br><b>Virtual Reality (2MCA)</b><br><b>Angular Java Script(2MCA)</b><br><b>Social Media Mining (3MCA)</b><br><b>Service Oriented Architecture (3MCA)</b><br><b>Software Testing and Quality Assurance (3MCA)</b><br><b>Blockchain Technology (4MCA)</b><br><b>Programing with Go(4MCA)</b><br><b>Software Project Management (4MCA)</b><br><b>Enterprise Resource Palnning (ERP) &amp; CRM (4MCA)</b> | कम्प्यूटर विज्ञान एवं<br>अनुप्रयोग |
|---|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|

विश्वविद्यालय के भोपाल परिसर में अध्ययनरत विद्यार्थी उपरोक्त में से केवल उन्हीं एच्छिक (Open Elective) विषय का चयन कर सकेंगे जिनके अध्यापन की व्यवस्था स्थानीय स्तर पर परिसर द्वारा की जा सकती है।

CBCS पद्धति के उपरोक्त नये पाठ्यक्रम संबंधित विभाग से अथवा विश्वविद्यालय की वेबसाइट [www.mcnujc.ac.in](http://www.mcnujc.ac.in) एवं [www.mcu.ac.in](http://www.mcu.ac.in) के **Download** सेक्शन से डाउनलोड/प्राप्त किये जा सकते हैं।

(प्रो. (डॉ.) अविनाश वाजपेयी)  
कुलसचिव  
भोपाल, दिनांक 30.01.2021

पु.क्र./अका./2021/ 314

प्रतिलिपि:-

1. निज सचिव कुलपति, निज सहायक कुलसचिव को सूचनार्थ।
2. समस्त विभागाध्यक्ष/परिसर प्रभारी को सूचनार्थ एवं पालनार्थ प्रेषित।
3. परीक्षा नियंत्रक को सूचनार्थ एवं आवश्यक कार्यवाही हेतु।
4. वित्त अधिकारी को सूचनार्थ।
5. वेबसाइट प्रभारी को वेबसाइट पर प्रकाशनार्थ।
6. आदेश पुस्तिका।

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