

**Meerut Institute of Engineering and Technology  
Meerut**



## **EVALUATION SCHEME AND SYLLABI**

***For***

**MCA- I & II Sem**  
**- Autonomous -**

**(Based On NEP 2020)**  
**Effective from the Session: 2026-27**

**Affiliated With**



**Dr. A.P.J ABDUL KALAM TECHNICAL UNIVERSITY UTTAR PRADESH**

*Sec-11, Jankipuram Vistar, Lucknow - 226031, Uttar Pradesh, India*

**MCA (MASTER OF COMPUTER APPLICATIONS) FIRST YEAR, 2026-28**  
**Evaluation Scheme**

| SEMESTER - I                                                                                                                                                                                         |              |                                                    |          |     |         |   |    |                                |    |       |     |              |     |             |    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------------------------------------|----------|-----|---------|---|----|--------------------------------|----|-------|-----|--------------|-----|-------------|----|
| S. NO.                                                                                                                                                                                               | Subject Code | Subject Name                                       | Category | T/P | PERIODS |   |    | Evaluation Scheme              |    |       |     |              |     | Total Marks | CR |
|                                                                                                                                                                                                      |              |                                                    |          |     | L       | T | P  | Continuous Internal Assessment |    |       |     | End Semester |     |             |    |
|                                                                                                                                                                                                      |              |                                                    |          |     |         |   |    | CT                             | TA | Total | PS  | TE           | PE  |             |    |
| 1                                                                                                                                                                                                    | M26MC101     | Research Methodology and IPR                       | ES       | T   | 3       | 0 | 0  | 20                             | 10 | 30    |     | 70           |     | 100         | 3  |
| 2                                                                                                                                                                                                    | M26MC102     | Problem Solving using C                            | ES       | T   | 3       | 0 | 0  | 20                             | 10 | 30    |     | 70           |     | 100         | 3  |
| 3                                                                                                                                                                                                    | M26MC103     | Discrete Mathematics                               | ES       | T   | 3       | 0 | 0  | 20                             | 10 | 30    |     | 70           |     | 100         | 3  |
| 4                                                                                                                                                                                                    | M26MC104     | Computer Organization & Architecture               | ES       | T   | 3       | 0 | 0  | 20                             | 10 | 30    |     | 70           |     | 100         | 3  |
| 5                                                                                                                                                                                                    | M26MC105     | Operating Systems                                  | ES       | T   | 3       | 0 | 0  | 20                             | 10 | 30    |     | 70           |     | 100         | 3  |
| 6                                                                                                                                                                                                    | M26MC151     | Problem Solving using C Lab                        | ES       | P   | 0       | 0 | 2  |                                |    |       | 50  |              | 50  | 100         | 1  |
| 7                                                                                                                                                                                                    | M26MC152     | Computer Organization & Architecture Lab           | ES       | P   | 0       | 0 | 2  |                                |    |       | 50  |              | 50  | 100         | 1  |
| 8                                                                                                                                                                                                    | M26AE155     | Soft Skills (Verbal & PDP)-I                       | AE       | P   | 0       | 0 | 2  |                                |    |       | 100 |              |     | 100         | 1  |
| 9                                                                                                                                                                                                    | M26AE 156    | Aptitude & Reasoning- I                            | AE       | P   | 0       | 0 | 2  |                                |    |       | 100 |              |     | 100         | 1  |
| 10                                                                                                                                                                                                   |              | Domain Specific Technical Skill - I                | SE       | P   | 0       | 0 | 2  |                                |    |       | 100 |              |     | 100         | 1  |
| 11                                                                                                                                                                                                   | M26MC106     | Fundamental of Computers & Emerging Technologies** | ES       | T   | 2       | 0 | 0  | 20                             | 10 | 30    |     | 70           |     | 100         | NC |
|                                                                                                                                                                                                      |              | Total                                              |          |     | 17      | 0 | 10 |                                |    | 150   | 400 | 350          | 100 | 1100        | 20 |
| Note: ** Bridge Course for students with B.Sc./ B.Com./ B.A. degree (Non-Computer Science/Non- IT) with Mathematics at 10+2 Level or at Graduation Level. Non-credit course qualifying is mandatory. |              |                                                    |          |     |         |   |    |                                |    |       |     |              |     |             |    |

Note: \*\* Bridge Course for students with B.Sc./ B.Com./ B.A. degree (Non-Computer Science/Non- IT) with Mathematics at 10+2 Level or at Graduation Level. Non-credit course qualifying is mandatory.

| <b>S.No.</b> | <b>Sub Code</b> | <b>Domain Specific Technical Skill - I</b> |
|--------------|-----------------|--------------------------------------------|
| 1            | M26SE151        | DSA-I                                      |
| 2            | M26SE152        | Full Stack Development - I                 |
| 3            | M26SE153        | Salesforce -I                              |
| 4            | M26SE154        | Microsoft Azure-I                          |
| 5            | M26SE155        | AWS (Cloud Practitioner)-I                 |

| SEMESTER - II |              |                                           |          |     |         |   |    |                                |    |       |     |              |     |             |        |
|---------------|--------------|-------------------------------------------|----------|-----|---------|---|----|--------------------------------|----|-------|-----|--------------|-----|-------------|--------|
| S.NO.         | Subject Code | Subject Name                              | Category | T/P | PERIODS |   |    | Evaluation Scheme              |    |       |     |              |     | Total Marks | CREDIT |
|               |              |                                           |          |     | L       | T | P  | Continuous Internal Assessment |    |       |     | End Semester |     |             |        |
|               |              |                                           |          |     |         |   |    | CT                             | TA | Total | PS  | TE           | PE  |             |        |
| 1             | M26MC201     | Data Structures                           | ES       | T   | 3       | 0 | 0  | 20                             | 10 | 30    |     | 70           |     | 100         | 3      |
| 2             | M26MC202     | Computer Networks                         | ES       | T   | 3       | 0 | 0  | 20                             | 10 | 30    |     | 70           |     | 100         | 3      |
| 3             | M26MC203     | Object Oriented Programming with Java     | ES       | T   | 3       | 0 | 0  | 20                             | 10 | 30    |     | 70           |     | 100         | 3      |
| 4             | M26MC204     | Database Management Systems               | ES       | T   | 3       | 0 | 0  | 20                             | 10 | 30    |     | 70           |     | 100         | 3      |
| 5             | M26MC205     | Artificial Intelligence with Python       | ES       | T   | 3       | 0 | 0  | 20                             | 10 | 30    |     | 70           |     | 100         | 3      |
| 6             | M26MC251     | Data Structures Lab                       | ES       | P   | 0       | 0 | 2  |                                |    |       | 50  |              | 50  | 100         | 1      |
| 7             | M26MC252     | Object Oriented Programming with Java Lab | ES       | P   | 0       | 0 | 2  |                                |    |       | 50  |              | 50  | 100         | 1      |
| 8             | M26MC253     | Database Management Systems Lab           | ES       | P   | 0       | 0 | 2  |                                |    |       | 50  |              | 50  | 100         | 1      |
| 9             | M26MC254     | Artificial Intelligence with Python Lab   | ES       | P   | 0       | 0 | 2  |                                |    |       | 50  |              | 50  | 100         | 1      |
| 10            | M26AE255     | Soft Skills (Verbal & PDP)-II             | AE       | P   | 0       | 0 | 2  |                                |    |       | 100 |              |     | 100         | 1      |
| 11            | M26AE256     | Aptitude & Reasoning- II                  | AE       | P   | 0       | 0 | 2  |                                |    |       | 100 |              |     | 100         | 1      |
| 12            |              | Domain Specific Technical Skill - II      | SE       | P   | 0       | 0 | 2  |                                |    |       | 100 |              |     | 100         | 1      |
|               |              | Total                                     |          |     | 15      | 0 | 14 |                                |    | 150   | 500 | 350          | 200 | 1200        | 22     |

| S.No. | Sub Code | Domain Specific Technical Skill - II |
|-------|----------|--------------------------------------|
| 1     | M26SE251 | DSA-II                               |
| 2     | M26SE252 | Full Stack Development - II          |
| 3     | M26SE253 | Salesforce -II                       |
| 4     | M26SE254 | Microsoft Azure-II                   |
| 5     | M26SE255 | AWS-II                               |