

| Internal Quality Assurance Cell (IQAC)                                                               |  |
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| Information required for Academic year 2024-25                                                       |  |
| (The information sought below will be used for the preparation of University Annual Report and AQAR) |  |

|   |                            |                                                           |
|---|----------------------------|-----------------------------------------------------------|
| 1 | a) Name of the School:     | School of Technology                                      |
|   | b) Name of the Department: | Department of Computer Science and Information Technology |

|   |                        |      |
|---|------------------------|------|
| 2 | Date of Establishment: | 2006 |
|---|------------------------|------|

|   |                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3 | Profile of the Department | <p>(Strengths, Weaknesses, Opportunities and Challenges (SWOC) Analysis of the Department and Status of NEP implementation to be detailed in 500-1000 words):</p> <p>Department of Computer Science &amp; Information Technology at Maulana Azad National Urdu University was established in 2006 with one year Post Graduate Diploma in Information Technology (PGDIT). The objective of the department is to impart quality education and achieve the vision of excellence in the field of Computer Science &amp; IT. With rapidly evolving technology and continuous need for innovation, department is committed to produce quality professionals in both the academia and IT industry.</p> <p>The Department started Master of Computer Applications (MCA) in 2011 to develop core competency in computer applications and inculcate students with software development skills, as well as to take up challenges in the research. Department started B.Tech (Computer Science) in 2013 to imbibe entrepreneurship skills in the youth and develop quality professionals to tackle the problem of real life issues. All the program (B.Tech, M.Tech and MCA) are approved by All India Council for Technical Education (AICTE).</p> <p>To ignite the minds with quality research, Department of CS&amp;IT started Ph.D. program in Computer Science with effective from 2013. Further to provide academic training and research expertise, the department started M.Tech (Computer Science) wef 2015.</p> <p>Strengths:</p> |
|---|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|   |                     |                     |
|---|---------------------|---------------------|
| 4 | Name of Head of the | Prof. Pradeep Kumar |
|---|---------------------|---------------------|

|   |                         |  |
|---|-------------------------|--|
| 5 | Details of the Faculty: |  |
|---|-------------------------|--|

|                                        |
|----------------------------------------|
| Details of Faculties in the Department |
|----------------------------------------|

| Name                     | Designation                       | Highest Qualification   | Nature of Appointment (Regular/Guest) | Remarks |
|--------------------------|-----------------------------------|-------------------------|---------------------------------------|---------|
| Prof. Abdul Wahid        | Professor                         | Ph.D                    | Permanent                             |         |
| Prof. Pradeep Kumar      | Professor                         | Ph.D                    | Permanent                             |         |
| Prof. Syed Imtiaz Hassan | Professor                         | Ph.D                    | Permanent                             |         |
| Mrs. Tunga Arundhati     | Assistant Professor               | M.Tech, Ph.D(Pursuing)  | Permanent                             |         |
| Dr. Kahkashan Tabassum   | Assistant Professor               | Ph.D                    | Permanent                             |         |
| Dr. A. Satya Sai Kumar   | Assistant Professor               | Ph.D                    | Permanent                             |         |
| Mrs. Afrah Fatima        | Assistant Professor               | M.Tech, P.hD (Pursuing) | Permanent                             |         |
| Mr. Ahmad Talha Siddiqui | Assistant Professor               | M.Tech, Ph.D(Pursuing)  | Permanent                             |         |
| Dr. Mohd Omar            | Assistant Professor               | Ph.D                    | Permanent                             |         |
| Mr. Mohd Rafeeq          | Assistant Professor               | M.Tech, Ph.D(Pursuing)  | Permanent                             |         |
| Dr. Muqeen Ahmed         | Assistant Professor               | Ph.D                    | Permanent                             |         |
| Mr. Mohammad Islam       | Assistant Professor               | M.Tech, Ph.D(Pursuing)  | Permanent                             |         |
| Dr Jameel Ahamed         | Assistant Professor               | P.hD                    | Permanent                             |         |
| Mrs. Geeta Pattun        | Assistant Professor               | M.Tech, Ph.D(Pursuing)  | Permanent                             |         |
| Mr.Mohatesham Pasha      | Assistant Professor               | M.Tech, Ph.D(Pursuing)  | Permanent                             |         |
| Mrs. Khaleda Afroaz      | HOD-CSE                           | M.Tech, Ph.D(Pursuing)  | Permanent                             |         |
| Dr. Khaleel Ahmad        | Assistant Professor               | Ph.D                    | Permanent                             |         |
| Mr. Mohammad Rashid      | Assistant Professor (Contractual) | M.Tech                  | Contractual                           |         |
| Dr. Fareeha Rasheed      | Assistant Professor (Contractual) | P.hD                    | Contractual                           |         |
| Dr. Naiyar Iqbal         | Assistant Professor (Contractual) | Ph.D                    | Contractual                           |         |
| Mr. Kamran Siddique      | Assistant Professor (Contractual) | M.Tech                  | Contractual                           |         |

|                          |                                   |        |             |  |
|--------------------------|-----------------------------------|--------|-------------|--|
| Dr. Mohd Aslam           | Assistant Professor (Contractual) | Ph.D   | Contractual |  |
| Ms. Alisha Raza          | Assistant Professor (Contractual) | M.Tech | Contractual |  |
| Mr. Md Ahmad Raza        | Assistant Professor (Contractual) | M.Tech | Contractual |  |
| Mr. Md Nadeem Noori      | Assistant Professor (Contractual) | M.Tech | Contractual |  |
| Mrs. Syeda Imrana Fatima | Assistant Professor (Contractual) | M.E.   | Contractual |  |

|                                                                         |                                                     |                                               |                             |                                          |
|-------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------|-----------------------------|------------------------------------------|
| 6                                                                       | Details of the Programmes offered by the Department |                                               |                             |                                          |
| a) Undergraduate Programmes                                             |                                                     |                                               |                             |                                          |
| Programme                                                               |                                                     | Name of the Course(Subject opted)             | Number of Students enrolled | Number of Students receiving Scholarship |
| (Please provide the name of the programme e.g: B.A, B.Voc.,B.Tech. etc) |                                                     |                                               |                             |                                          |
| Level                                                                   | Name                                                |                                               |                             |                                          |
|                                                                         | B.Tech (Computer Science)                           | Engineering Mathematics-I (BTCS101BST)        | 64                          |                                          |
|                                                                         |                                                     | Engineering Physics (BTCS102BST)              |                             |                                          |
|                                                                         |                                                     | Basic Electrical Engineering (BTCS101EST)     |                             |                                          |
|                                                                         |                                                     | Engineering Graphics & Design (BTCS111EST)    |                             |                                          |
|                                                                         |                                                     | Engineering Physics Lab (BTCS150BSP)          |                             |                                          |
|                                                                         |                                                     | Basic Electrical Engineering Lab (BTCS150ESP) |                             |                                          |
|                                                                         |                                                     | Engineering Mathematics – II (BTCS201BST)     |                             |                                          |
|                                                                         |                                                     | Engineering Chemistry (BTCS211BST)            |                             |                                          |
|                                                                         |                                                     | Programming for Problem Solving (BTCS211EST)  |                             |                                          |
|                                                                         |                                                     | English Communication (BTCS211HST)            |                             |                                          |
|                                                                         |                                                     | Engineering Mechanics (BTCS212EST)            |                             |                                          |
|                                                                         |                                                     | Engineering Chemistry Lab (BTCS260BSP)        |                             |                                          |
|                                                                         |                                                     | Basic Programming Lab (BTCS260ESP)            |                             |                                          |
|                                                                         |                                                     | Engineering Workshop (BTCS251ESP)             |                             |                                          |
|                                                                         |                                                     | English Communication LAB (BTCS260HSP)        |                             |                                          |
|                                                                         |                                                     | Analog Electronic Circuits (BTCS311EST)       |                             |                                          |
|                                                                         |                                                     | Data structure & Algorithms (BTCS311PCT)      |                             |                                          |
|                                                                         |                                                     | Digital Electronics (BTCS312PCT)              |                             |                                          |
|                                                                         |                                                     | Engineering Mathematics-III (BTCS311BST)      |                             |                                          |
|                                                                         |                                                     | Technology & Society (BTCS311HST)             |                             |                                          |
|                                                                         |                                                     | Analog Electronic Circuits LAB (BTCS360ESP)   |                             |                                          |
|                                                                         |                                                     | Data structure & Algorithms LAB (BTCS360PCP)  |                             |                                          |
|                                                                         |                                                     | Digital Electronics LAB (BTCS361PCP)          |                             |                                          |
|                                                                         |                                                     | IT Workshop Python (BTCS362PCP)               |                             |                                          |
|                                                                         |                                                     | Environmental Sciences (BTCS312HST)           |                             |                                          |
|                                                                         |                                                     | Database Management Systems (BTCS402PCT)      |                             |                                          |
|                                                                         |                                                     | Operating Systems (BTCS403PCT)                |                             |                                          |
|                                                                         |                                                     | Object Oriented Programming (BTCS405PCT)      |                             |                                          |
|                                                                         |                                                     | Software Engineering (BTCS406PCT)             |                             |                                          |
|                                                                         |                                                     | Discrete Mathematics (BTCS407PCT)             |                             |                                          |
|                                                                         |                                                     | Database Management Systems LAB               |                             |                                          |
|                                                                         |                                                     | Operating Systems LAB (BTCS452PCP)            |                             |                                          |
|                                                                         |                                                     | Object Oriented Programming LAB (BTCS453PCP)  |                             |                                          |
|                                                                         |                                                     | Computer Organization (BTCS511PCT)            |                             |                                          |
|                                                                         |                                                     | Formal Language & Automata Theory             |                             |                                          |
|                                                                         |                                                     | Design & Analysis of Algorithms (BTCS513PCT)  |                             |                                          |
|                                                                         |                                                     | Organizational Behaviour (BTCS511HST)         |                             |                                          |
|                                                                         |                                                     | History of Sciences & Technology in India     |                             |                                          |
|                                                                         |                                                     | Elective-I (BTCS51xPET)                       |                             |                                          |
|                                                                         |                                                     | Design & Analysis of Algorithms LAB           |                             |                                          |

UG

B.Tech (Computer Science)  
Lateral Entry

|                                              |
|----------------------------------------------|
| Constitution of India (BTCS511NCT)           |
| Compiler Design (BTCS611PCT)                 |
| Computer Networks (BTCS612PCT)               |
| Elective-II (BTCS61xPET)                     |
| Elective-III (BTCS61xPET)                    |
| Open Elective-I (UGCS61xGET)                 |
| Compiler Design LAB (BTCS660PCP)             |
| Computer Networks LAB (BTCS661PCP)           |
| Project-1 (BTCS662PCP)                       |
| Elective-IV (BTCS71xPET)                     |
| Elective-V (BTCS71xPET)                      |
| Open Elective-II (UGCS71xGET)                |
| Project-II (BTCS760PCP)                      |
| Elective-V (BTCS83xPET)                      |
| Elective-VII (BTCS83xPET)                    |
| Elective-VIII (BTCS83xPET)                   |
| Project-III (BTCS860PCP)                     |
| Analog Electronic Circuits (BTCS311EST)      |
| Data structure & Algorithms (BTCS311PCT)     |
| Digital Electronics (BTCS312PCT)             |
| Engineering Mathematics-III (BTCS311BST)     |
| Technology & Society (BTCS311HST)            |
| Analog Electronic Circuits LAB (BTCS360ESP)  |
| Data structure & Algorithms LAB (BTCS360PCP) |
| Digital Electronics LAB (BTCS361PCP)         |
| IT Workshop Python (BTCS362PCP)              |
| Environmental Sciences (BTCS312HST)          |
| Database Management Systems (BTCS402PCT)     |
| Operating Systems (BTCS403PCT)               |
| Object Oriented Programming (BTCS405PCT)     |
| Software Engineering (BTCS406PCT)            |
| Discrete Mathematics (BTCS407PCT)            |
| Database Management Systems LAB              |
| Operating Systems LAB (BTCS452PCP)           |
| Object Oriented Programming LAB (BTCS453PCP) |
| Computer Organization (BTCS511PCT)           |
| Formal Language & Automata Theory            |
| Design & Analysis of Algorithms (BTCS513PCT) |
| Organizational Behaviour (BTCS511HST)        |
| History of Sciences & Technology in India    |
| Elective-I (BTCS51xPET)                      |
| Design & Analysis of Algorithms LAB          |
| Constitution of India (BTCS511NCT)           |
| Compiler Design (BTCS611PCT)                 |
| Computer Networks (BTCS612PCT)               |
| Elective-II (BTCS61xPET)                     |
| Elective-III (BTCS61xPET)                    |
| Open Elective-I (UGCS61xGET)                 |
| Compiler Design LAB (BTCS660PCP)             |
| Computer Networks LAB (BTCS661PCP)           |
| Project-1 (BTCS662PCP)                       |
| Elective-IV (BTCS71xPET)                     |
| Elective-V (BTCS71xPET)                      |
| Open Elective-II (UGCS71xGET)                |
| Project-II (BTCS760PCP)                      |
| Elective-V (BTCS83xPET)                      |

|    |                                                                                                                              |                                                |    |  |
|----|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|----|--|
|    |                                                                                                                              | Elective-VII (BTCS83xPET)                      |    |  |
|    |                                                                                                                              | Elective-VIII (BTCS83xPET)                     |    |  |
|    |                                                                                                                              | Project-III (BTCS860PCP)                       |    |  |
| PG | M.Tech (Computer Science)                                                                                                    | Advanced Algorithm (MTCS111PCT)                | 22 |  |
|    |                                                                                                                              | Advanced Computer Architecture (MTCS112PCT)    |    |  |
|    |                                                                                                                              | Research Methodology & IPR (MTCS111RMT)        |    |  |
|    |                                                                                                                              | Program Elective-1 (MTCS11xPET)                |    |  |
|    |                                                                                                                              | Program Elective-2 (MTCS12xPET)                |    |  |
|    |                                                                                                                              | Generic Elective-1 (MTCS13xPET)                |    |  |
|    |                                                                                                                              | Advanced Algorithm Lab (MTCS160PCP)            |    |  |
|    |                                                                                                                              | Lab Based on Elective-1 (MTCS16xPEP)           |    |  |
|    |                                                                                                                              | Machine Learning (MTCS211PCT)                  |    |  |
|    |                                                                                                                              | Internet of Things (MTCS212PCT)                |    |  |
|    |                                                                                                                              | Program Elective-3 (MTCS23xPET)                |    |  |
|    |                                                                                                                              | Program Elective-4 (MTCS24xPET)                |    |  |
|    |                                                                                                                              | Generic Elective-2 (MTCS23xGET)                |    |  |
|    |                                                                                                                              | Machine Learning Lab (MTCS260PCP)              |    |  |
|    |                                                                                                                              | Internet of Things Lab (MTCS261PCP)            |    |  |
|    |                                                                                                                              | Mini Project with Seminar (MTCS270PCP)         |    |  |
|    |                                                                                                                              | Program Elective-5 (MTCS31xPET)                |    |  |
|    |                                                                                                                              | Dissertation-I (MTCS370PCP)                    |    |  |
|    |                                                                                                                              | Dissertation-II (MTCS470PCP)                   |    |  |
|    | M.Tech (Computer Science & Engineering) Artificial Intelligence and Machine Learning Part-time under sponsored/self financed | Advanced Algorithm (MTCS111PCT)                | 7  |  |
|    |                                                                                                                              | Artificial Intelligence (MTCS112PCT)           |    |  |
|    |                                                                                                                              | Research Methodology & IPR (MTCS111RMT)        |    |  |
|    |                                                                                                                              | Advanced Algorithm Lab (MTCS160PCP)            |    |  |
|    |                                                                                                                              | Machine Learning with Python (MTCS211PCT)      |    |  |
|    |                                                                                                                              | Program Elective-1 (MTCS22XPET)                |    |  |
|    |                                                                                                                              | Program Elective-2 (MTCS23XPET)                |    |  |
|    |                                                                                                                              | Lab – II Python Lab (MTCS260PCP )              |    |  |
|    |                                                                                                                              | Audit Course (MTCS21XNGT)                      |    |  |
|    |                                                                                                                              | Deep Learning (MTCS311PCT)                     |    |  |
|    |                                                                                                                              | Program Elective -3 (MTCS34XPET )              |    |  |
|    |                                                                                                                              | Program Elective -4 (MTCS35XPET )              |    |  |
|    |                                                                                                                              | Lab – III Deep Learning Lab (MTCS360PCP )      |    |  |
|    |                                                                                                                              | Internet of Things (MTCS411PCT)                |    |  |
|    |                                                                                                                              | Program Elective -5 (MTCS46XPET)               |    |  |
|    |                                                                                                                              | Program Elective -6 (MTCS47XPET)               |    |  |
|    |                                                                                                                              | Lab – IV IoT Lab (MTCS460PCP)                  |    |  |
|    |                                                                                                                              | Seminar Presentation & Comprehensive viva voce |    |  |
|    |                                                                                                                              | Dissertation- Part 1 (Minor) (MTCS570PCP)      |    |  |
|    |                                                                                                                              | Dissertation- Part 2 (Major) (MTCS670PCP )     |    |  |
|    | MCA (Master Computer Application)                                                                                            | Statistical Analysis(MMCA111FCT)               | 27 |  |
|    |                                                                                                                              | Software Engineering(MMCA111PCT)               |    |  |
|    |                                                                                                                              | Computer Network(MMCA112PCT)                   |    |  |
|    |                                                                                                                              | Operating Systems(MMCA113PCT)                  |    |  |
|    |                                                                                                                              | English Language & Communication               |    |  |
|    |                                                                                                                              | Data Structure & Algorithms(MMCA211PCT)        |    |  |
|    |                                                                                                                              | Database Management System(MMCA212PCT)         |    |  |
|    |                                                                                                                              | Java Programming(MMCA213PCT)                   |    |  |
|    |                                                                                                                              | Computer System Architecture(MMCA214PCT)       |    |  |
|    |                                                                                                                              | DSE – I(MMCA211PET)                            |    |  |
|    |                                                                                                                              | Data Structure & Algorithms Lab(MMCA260PCT)    |    |  |
|    |                                                                                                                              | Data Science(MMCA311PCT)                       |    |  |
|    |                                                                                                                              | Formal Language & Automata                     |    |  |
|    |                                                                                                                              | Blockchain Technology(MMCA313PCT)              |    |  |

|       |                                     |                                       |     |  |
|-------|-------------------------------------|---------------------------------------|-----|--|
|       |                                     | Machine Learning(MMCA314PCT)          |     |  |
|       |                                     | Data Science Lab(MMCA360PCP)          |     |  |
|       |                                     | Blockchain Technology Lab(MMCA361PCP) |     |  |
|       |                                     | Industrial/Major Project(MMCA470PCP)  |     |  |
|       | MCA Bridge Course                   | Discrete Mathematics (MMBC121FCT)     |     |  |
|       |                                     | Information & Communication           |     |  |
|       |                                     | Introduction to Computer System &     |     |  |
|       |                                     | Problem Solving Using 'C' Language    |     |  |
| Ph.D  | PhD (Computer Science)              | Research Methodology (PHCS101CCT()    | 5   |  |
|       |                                     | Software Engineering (PHCS102CCT)     |     |  |
|       |                                     | Research and Publication Ethics (RPE) |     |  |
|       |                                     | Machine Learning (PHCS105DST)         |     |  |
|       |                                     | Blockchain Technology (PHCS118DST)    |     |  |
|       | PhD (Computer Science)-Self Finance | Research Methodology (PHCS101CCCT()   | 8   |  |
|       |                                     | Software Engineering (PHCS102CCT)     |     |  |
|       |                                     | Research and Publication Ethics (RPE) |     |  |
|       |                                     | Machine Learning (PHCS105DST)         |     |  |
|       |                                     | Blockchain Technology (PHCS118DST)    |     |  |
| Total |                                     |                                       | 141 |  |

b) B.Ed., PG and Ph.D. and Diploma Certificate programmes

| Programme                                                           |                             | Number of seats available | Number of Students enrolled | Number of Students receiving Scholarship | Details of the Students received Scholarship |
|---------------------------------------------------------------------|-----------------------------|---------------------------|-----------------------------|------------------------------------------|----------------------------------------------|
| (Please provide the name of the programme e.g: M.Tech,M.Sc.,M.A.etc |                             |                           |                             |                                          |                                              |
| Level                                                               | Name                        |                           |                             |                                          |                                              |
| UG                                                                  | B.Tech Computer Science     | (60+ (15 EWS)=75          | 64                          |                                          |                                              |
|                                                                     | B.Tech (Computer Science)   | 15                        | 8                           |                                          |                                              |
| PG                                                                  | M.Tech (Computer Science)   | 30+(8 EWS)=38             | 22                          |                                          |                                              |
|                                                                     | M.Tech (Computer Science &  | 30                        | 7                           |                                          |                                              |
|                                                                     | MCA (Master Computer        | 30+(8 EWS)=38             | 27                          |                                          |                                              |
|                                                                     | MCA Bridge Course           |                           |                             |                                          |                                              |
| Ph.D                                                                | PhD (Computer Science)      | 8                         | 5                           |                                          |                                              |
|                                                                     | PhD (Computer Science)-Self | 8                         | 8                           |                                          |                                              |
| Total                                                               |                             | 212                       | 141                         |                                          |                                              |

7 Number of JRFs, SRFs, Post-doctoral Fellows, Research Associates and other fellows enrolled in the Department

| Name of the Scholar | Name of fellowship | Duration of fellowship | Funding agency | Name and Designation of | Link                                                                      |
|---------------------|--------------------|------------------------|----------------|-------------------------|---------------------------------------------------------------------------|
| Mahmooda Khatoon    | JRF                | 5 Years                | Indian GOVT    | Prof. Abdul Wahid       | <a href="https://drive.google.com/file">https://drive.google.com/file</a> |

8 Details of the Scholars declared eligible for award of PhD degrees :( Provide separate list for PhD)

| Name of the Scholar     | Title of the dissertation/thesis  | Supervisor's name and designation                  | Date of the result declaration | Date of Registration of the Scholar | Degree Awarded |
|-------------------------|-----------------------------------|----------------------------------------------------|--------------------------------|-------------------------------------|----------------|
| Mohd Omar               | Big Data Analytics and            | Prof. Pradeep Kumar                                | 26-02-2025                     | 01-08-2018                          | Yes            |
| Mohd Yousuf             | Drowsygaug: Gauging               | Prof. Abdul Wahid, Dr Mohammed Yousuf Khan         | 07-03-2025                     | 24-07-2018                          | Yes            |
| Mohd Mustafeez ul Haque | Hybrid MOOCs                      | Dr. Jameel Ahamed, Assistant Professor, Dr. Bonthu | 02-04-2025                     | 23-10-2021                          | Yes            |
| Shaik Moinuddin Ahmed   | Intelligent Character Recognition | Prof. Abdul Wahid                                  | 22-04-2025                     | 24-07-2018                          | Yes            |

|   |                                                                                             |
|---|---------------------------------------------------------------------------------------------|
| 9 | Programme/Courses introduced or syllabus revised was carried out during the academic year : |
|---|---------------------------------------------------------------------------------------------|

| Name of the Programme     | Programme Code | Name of the Course | Course Code | Year of Revision | Year of Introduction | Date of BoS meeting |
|---------------------------|----------------|--------------------|-------------|------------------|----------------------|---------------------|
| B.Tech(CS)                |                |                    |             |                  |                      |                     |
|                           |                |                    |             |                  |                      |                     |
| B.Tech(CS)-Lateral Entry  |                |                    |             |                  |                      |                     |
|                           |                |                    |             |                  |                      |                     |
| M.Tech (CS)               |                |                    |             |                  |                      |                     |
|                           |                |                    |             |                  |                      |                     |
| M.Tech (Computer Science) |                |                    |             |                  |                      |                     |
| MCA                       |                |                    |             |                  |                      |                     |
| MCA Bridge Course         |                |                    |             |                  |                      |                     |
| PhD                       |                |                    |             |                  |                      |                     |

| 10          | Details of Departmental Research Committee (DRC): <i>(Office order of the constitution of the committee, agenda and minutes of the meetings held and major decisions taken)</i>                                                                                                                                                         |             |                             |            |                                                                                     |            |                                                                                     |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------|------------|-------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------|
|             | <table> <tr> <th>Date of DRC</th><th>web link of the DRC minutes</th></tr> <tr> <td>25/10/2024</td><td><a href="https://manuu.edu.in/sites/default">https://manuu.edu.in/sites/default</a></td></tr> <tr> <td>28/04/2025</td><td><a href="https://manuu.edu.in/sites/default">https://manuu.edu.in/sites/default</a></td></tr> </table> | Date of DRC | web link of the DRC minutes | 25/10/2024 | <a href="https://manuu.edu.in/sites/default">https://manuu.edu.in/sites/default</a> | 28/04/2025 | <a href="https://manuu.edu.in/sites/default">https://manuu.edu.in/sites/default</a> |
| Date of DRC | web link of the DRC minutes                                                                                                                                                                                                                                                                                                             |             |                             |            |                                                                                     |            |                                                                                     |
| 25/10/2024  | <a href="https://manuu.edu.in/sites/default">https://manuu.edu.in/sites/default</a>                                                                                                                                                                                                                                                     |             |                             |            |                                                                                     |            |                                                                                     |
| 28/04/2025  | <a href="https://manuu.edu.in/sites/default">https://manuu.edu.in/sites/default</a>                                                                                                                                                                                                                                                     |             |                             |            |                                                                                     |            |                                                                                     |

|    |                                                                                                                                                               |
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| 11 | Learning Outcomes: ( Please provide the syllabus for each programme/course highlighting the program outcomes, program specific outcomes, and course outcomes) |
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(a) Programme Outcomes:

| Programme Name             | Programme Code | List the programme outcome                           | Link to the programme                                                                                   |
|----------------------------|----------------|------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| B.Tech (Computer Science)  | BTCs           | 1. Design a system to meet the desired needs in real | <a href="https://manuu.edu.in/sites/default/files/CSI">https://manuu.edu.in/sites/default/files/CSI</a> |
| M.Tech (Computer Science)  | MTCS           | 1.Practice with an expertise in academics,           | <a href="https://manuu.edu.in/sites/default/files/CSI">https://manuu.edu.in/sites/default/files/CSI</a> |
| M.Tech (Computer Science & | MTCS           | 1. To create an ambiance for healthy teaching-       | <a href="https://manuu.edu.in/sites/default/files/CSI">https://manuu.edu.in/sites/default/files/CSI</a> |
| MCA(Master of Computer     | MMCA           | 1. Realize the uncertainty that is involved in a     | <a href="https://manuu.edu.in/sites/default/files/CSI">https://manuu.edu.in/sites/default/files/CSI</a> |
| MCA(Master of Computer     | MMBC           | 1. Realize the uncertainty that is involved in a     | <a href="https://manuu.edu.in/sites/default/files/CSI">https://manuu.edu.in/sites/default/files/CSI</a> |
| PhD(Computer Science)      | PHCS           | 1. Demonstrate knowledge of technological advances   | <a href="https://manuu.edu.in/sites/default/files/CSI">https://manuu.edu.in/sites/default/files/CSI</a> |

(b) Course Outcomes:

| Name of the Programme    | Name of the Course               | Course Code | List the Course Outcomes                     | Link to the syllabus                                                                                                                |
|--------------------------|----------------------------------|-------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| B.Tech(Computer Science) | Engineering Mathematics-I        | BTCS101BST  | CO1 Apply differential and integral          | <a href="#">Learning Outcomes based Curriculum Framework (LOCF) for Bachelor of Technology (Computer Science) B.Tech. (CS) (wef</a> |
|                          | Engineering Physics              | BTCS102BST  | CO1 Understand the Bragg's Law and the       |                                                                                                                                     |
|                          | Basic Electrical Engineering     | BTCS101EST  | CO1 Understanding of the basic               |                                                                                                                                     |
|                          | Engineering Graphics & Design    | BTCS111EST  | CO1 Get acquainted with the knowledge of     |                                                                                                                                     |
|                          | Engineering Physics Lab          | BTCS150BSP  | CO1 Learn basic properties and               |                                                                                                                                     |
|                          | Basic Electrical Engineering Lab | BTCS150ESP  | CO1 Explain the concept of circuit laws      |                                                                                                                                     |
|                          | Engineering Mathematics – II     | BTCS201BST  | CO1 Understand the ideas of probability      |                                                                                                                                     |
|                          | Engineering Chemistry            | BTCS211BST  | CO1 Understand the knowledge of atomic,      |                                                                                                                                     |
|                          | Programming for Problem          | BTCS211EST  | CO1 Understand various problem-solving       |                                                                                                                                     |
|                          | English Communication            | BTCS211HST  | CO1 Read and write paragraphs in English     |                                                                                                                                     |
|                          | Engineering Mechanics            | BTCS212EST  | CO1 Identify the significance of centroid/   |                                                                                                                                     |
|                          | Engineering Chemistry Lab        | BTCS260BSP  | CO1 Outfitted with hands-on knowledge in     |                                                                                                                                     |
|                          | Basic Programming Lab            | BTCS260ESP  | CO1 Understand various problem-solving       |                                                                                                                                     |
|                          | Engineering Workshop             | BTCS251ESP  | CO1 Identify and apply suitable tools for    |                                                                                                                                     |
|                          | English Communication Lab        | BTCS260HSP  | CO1 Student will be able to understand,      |                                                                                                                                     |
|                          | Analog Electronic Circuits       | BTCS311EST  | CO1 Understand the characteristics of        |                                                                                                                                     |
|                          | Data structure & Algorithms      | BTCS311PCT  | CO1 Analyze the algorithms to                |                                                                                                                                     |
|                          | Digital Electronics              | BTCS312PCT  | CO1 Implement working of logic families      |                                                                                                                                     |
|                          | Engineering MathematicsIII       | BTCS311BST  | CO1 Demonstrate the ability to solve         |                                                                                                                                     |
|                          | Technology & Society             | BTCS311HST  | CO1 Understand the scientific debates and    |                                                                                                                                     |
|                          | Environmental Sciences           | BTCS312HST  | CO1 Demonstrate the importance of            |                                                                                                                                     |
|                          | Analog Electronic Circuits LAB   | BTCS360ESP  | CO1 Design and conduct experiments on        |                                                                                                                                     |
|                          | Data structure & Algorithms      | BTCS360PCP  | CO1 Design and analyze the time and          |                                                                                                                                     |
|                          | Digital Electronics LAB          | BTCS361PCP  | CO1 Able to identify, configure and use off- |                                                                                                                                     |
|                          | IT Workshop Python               | BTCS362PCP  | CO1 Implement scripting and the              |                                                                                                                                     |
|                          | Environmental Sciences           | BTCS312HST  | CO1 Implement scripting and the              |                                                                                                                                     |
|                          | Database Management Systems      | BTCS402PCT  | CO1 Understand relational database theory,   |                                                                                                                                     |
|                          | Operating Systems                | BTCS403PCT  | CO1 Demonstrate how to manage multiple       |                                                                                                                                     |
|                          | Object Oriented Programming      | BTCS405PCT  | CO1 Understand the principles of object-     |                                                                                                                                     |
|                          | Software Engineering             | BTCS406PCT  | CO1 Understand software engineering          |                                                                                                                                     |
|                          | Discrete Mathematics             | BTCS407PCT  | CO1 Understand Well-formed formulas,         |                                                                                                                                     |
|                          | Database Management Systems      | BTCS451PCP  | CO1 Understand the relational database       |                                                                                                                                     |
|                          | Operating Systems LAB            | BTCS452PCP  | CO1 Understand the concept of Linux          |                                                                                                                                     |
|                          | Object Oriented Programming      | BTCS453PCP  | CO1 Understand the principles of object-     |                                                                                                                                     |
|                          | Computer Organization            | BTCS511PCT  | CO1 Apply and analyze computer               |                                                                                                                                     |
|                          | Formal Language & Automata       | BTCS512PCT  | CO1 Demonstrate the understanding of         |                                                                                                                                     |
|                          | Design & Analysis of Algorithms  | BTCS513PCT  | CO1 Analyze a given algorithm and            |                                                                                                                                     |
|                          | Organizational Behaviour         | BTCS511HST  | CO1 Understand the applicability of the      |                                                                                                                                     |
|                          | History of Sciences &            | BTCS512HST  | CO1 Recognize the development of             |                                                                                                                                     |
|                          | Elective-I                       | BTCS51xPET  | Course outcomes are with respect to the      |                                                                                                                                     |
|                          | Design & Analysis of Algorithms  | BTCS560PCP  | CO1 Implement various data structures        |                                                                                                                                     |
|                          | Constitution of India            | BTCS511NCT  | CO1 Practice the moral values that ought to  |                                                                                                                                     |
|                          | Compiler Design                  | BTCS611PCT  | CO1 Analyze given grammar specification      |                                                                                                                                     |
|                          | Computer Networks                | BTCS612PCT  | CO1 Demonstrate the different protocols      |                                                                                                                                     |
|                          | Elective-II                      | BTCS61xPET  | Course outcomes are with respect to the      |                                                                                                                                     |
|                          | Elective-III                     | BTCS61xPET  | Course outcomes are with respect to the      |                                                                                                                                     |
|                          | Open Elective-I                  | UGCS61xGET  | Course outcomes are with respect to the      |                                                                                                                                     |
|                          | Compiler Design LAB              | BTCS660PCP  | CO1 Apply given grammar specification        |                                                                                                                                     |
|                          | Computer Networks LAB            | BTCS661PCP  | CO1 Apply the encryption and decryption      |                                                                                                                                     |
|                          | Project-1                        | BTCS662PCP  | CO1 Applying SRS, techniques.                |                                                                                                                                     |
|                          | Elective-IV                      | BTCS71xPET  | Course outcomes are with respect to the      |                                                                                                                                     |
|                          | Elective-V                       | BTCS71xPET  | Course outcomes are with respect to the      |                                                                                                                                     |
|                          | Open Elective-II                 | UGCS71xGET  | Course outcomes are with respect to the      |                                                                                                                                     |
|                          | Project-II                       | BTCS760PCP  | CO1 Applying SRS, techniques.                |                                                                                                                                     |

|                                                                                                                                                                                                  |                                 |            |                                             |                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                  | Elective-V                      | BTCS83xPET | Course outcomes are with respect to the     |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Elective-VII                    | BTCS83xPET | Course outcomes are with respect to the     |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Elective-VIII                   | BTCS83xPET | Course outcomes are with respect to the     |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Project-III                     | BTCS860PCP | CO1 Applying SRS, techniques.               |                                                                                                                                                                                                                                                                                                     |
| M.Tech(Computer Science)                                                                                                                                                                         | Advanced Algorithm              | MTCS111PCT | CO1 Understand the Programming Problem      | <a href="https://manuu.edu.in/sites/default/files/CSIT/Syllabus/locf/2022-23_M.Tech.%20(CS)%20-%20LOCf%20Syllabus%20%26%20Curriculum%20-%20V1.2.pdf">https://manuu.edu.in/sites/default/files/CSIT/Syllabus/locf/2022-23_M.Tech.%20(CS)%20-%20LOCf%20Syllabus%20%26%20Curriculum%20-%20V1.2.pdf</a> |
|                                                                                                                                                                                                  | Advanced Computer               | MTCS112PCT | CO1 Understand the concepts of parallel     |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Research Methodology & IPR      | MTCS111RMT | CO1 Illustrate the research objectives and  |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Program Elective-1              | MTCS11xPET | Course outcomes are with respect to the     |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Program Elective-2              | MTCS12xPET | Course outcomes are with respect to the     |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Generic Elective-1              | MTCS13xPET | Course outcomes are with respect to the     |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Advanced Algorithm Lab          | MTCS160PCP | CO1 Apply the Programming Problem           |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Lab Based on Elective-1         | MTCS16xPEP | Course outcomes are with respect to the     |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Machine Learning                | MTCS211PCT | CO1 Understand the importance of data pre-  |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Internet of Things              | MTCS212PCT | CO1 Explain & demonstrate various           |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Program Elective-3              | MTCS23xPET | Course outcomes are with respect to the     |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Program Elective-4              | MTCS24xPET | Course outcomes are with respect to the     |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Generic Elective-2              | MTCS23xGET | Course outcomes are with respect to the     |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Machine Learning with python-   | MTCS260PCP | CO1 Able to demonstrate python packages.    |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Internet of Things Lab          | MTCS261PCP | CO1 Understand core concept of IoT          |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Mini Project with Seminar       | MTCS270PCP | CO1 Applying SRS, techniques.               |                                                                                                                                                                                                                                                                                                     |
| Master of Technology<br>Computer Science and<br>Engineering<br>(Artificial Intelligence and<br>Machine Learning)<br>Part-time program under<br>sponsored/self-finance mode<br>(Duration 3 Years) | Program Elective-5              | MTCS31xPET | Course outcomes are with respect to the     | <a href="https://manuu.edu.in/sites/default/files/CSIT/Syllabus/locf/2023-24MTechCSEAI%26MLP art-time-LOCfSyllabus%26Curriculum-V13.pdf">https://manuu.edu.in/sites/default/files/CSIT/Syllabus/locf/2023-24MTechCSEAI%26MLP art-time-LOCfSyllabus%26Curriculum-V13.pdf</a>                         |
|                                                                                                                                                                                                  | Dissertation-I                  | MTCS370PCP | CO1 Understand the issues & challenges,     |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Dissertation-II                 | MTCS470PCP | CO1 To understand the research issues &     |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Advanced Algorithm              | MTCS111PCT | CO1 Understand the Programming Problem      |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Artificial Intelligence         | MTCS112PCT | CO1 Able to choose the appropriate          |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Research Methodology & IPR      | MTCS111RMT | CO1 Illustrate the research objectives and  |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Advanced Algorithm Lab          | MTCS160PCP | CO1 Apply the Programming Problem           |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Machine Learning with Python    | MTCS211PCT | CO1 Understand the importance of data pre-  |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Program Elective-1              | MTCS22XPET | Course outcomes are with respect to the     |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Program Elective-2              | MTCS23XPET | Course outcomes are with respect to the     |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Machine Learning with Python -  | MTCS260PCP | CO1 Able to demonstrate python packages.    |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Audit Course                    | MTCS21XNGT | Course outcomes are with respect to the     |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Deep Learning                   | MTCS311PCT | CO1 Understand the basics concepts of       |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Program Elective -3             | MTCS34XPET | Course outcomes are with respect to the     |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Program Elective -4             | MTCS35XPET | Course outcomes are with respect to the     |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Lab – III Deep Learning Lab     | MTCS360PCP | CO1 Able to demonstrate python packages.    |                                                                                                                                                                                                                                                                                                     |
| MCA(Master of Computer<br>Application)                                                                                                                                                           | Internet of Things              | MTCS411PCT | CO1 Explain & demonstrate various           | <a href="https://manuu.edu.in/sites/default/files/CSIT/Syllabus/locf/2022-23_MCA%20-%20LOCf%20Syllabus%20%26%20Curriculum%20-%20V1.2.pdf">https://manuu.edu.in/sites/default/files/CSIT/Syllabus/locf/2022-23_MCA%20-%20LOCf%20Syllabus%20%26%20Curriculum%20-%20V1.2.pdf</a>                       |
|                                                                                                                                                                                                  | Program Elective -5             | MTCS46XPET | Course outcomes are with respect to the     |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Program Elective -6             | MTCS47XPET | Course outcomes are with respect to the     |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Lab – IV IoT Lab                | MTCS460PCP | CO1 Understand core concept of IoT          |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Seminar Presentation &          | MTCS511PCP | CO1 Understand the issues & challenges,     |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Dissertation- Part 1 (Minor)    | MTCS570PCP | CO1 Understand the issues & challenges,     |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Dissertation- Part 2 (Major)    | MTCS670PCP | CO1 To understand the research issues &     |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Statistical Analysis            | MMCA111FCT | CO1 Apply different statistical measures on |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Software Engineering            | MMCA111PCT | CO1 Understand the difference between       |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Computer Network                | MMCA112PCT | CO1 Understanding of the OSI Reference      |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Operating Systems               | MMCA113PCT | CO1 Exhibit familiarity with the            |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | English Language &              | MMCA160AEP | CO1 Understand, comprehend and analyze      |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Data Structure & Algorithms     | MMCA211PCT | CO1 Understand and analyze the              |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Database Management System      | MMCA212PCT | CO1 Learn to design a database for a given  |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Java Programming                | MMCA213PCT | CO1 Demonstrate object-oriented             |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Computer System Architecture    | MMCA214PCT | CO1 Define the basic organization and       |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | DSE – I                         | MMCA21xPET | Course outcomes are with respect to the     |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Data Structure & Algorithms Lab | MMCA260PCT | CO1 Write the code for a large program      |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Database Management Systems     | MMCA261PCP | CO1 Design a database for a given set of    |                                                                                                                                                                                                                                                                                                     |
|                                                                                                                                                                                                  | Java Programming Lab            | MMCA262PCP | CO1 Write programs using objects and        |                                                                                                                                                                                                                                                                                                     |



|                                                   |                                 |            |                                           |                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------|---------------------------------|------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                   | Data Science                    | MMCA311PCT | CO1 Understand the concepts of data       | <a href="#">%20LOCF%20Syllabus%20%26%20Curriculum%20-%20V1.2.pdf</a>                                                                                                                                                                                                                            |
|                                                   | Formal Language & Automata      | MMCA312PCT | CO1 Understand the concept of abstract    |                                                                                                                                                                                                                                                                                                 |
|                                                   | Blockchain Technology           | MMCA313PCT | CO1 Understand the blockchain             |                                                                                                                                                                                                                                                                                                 |
|                                                   | Machine Learning                | MMCA314PCT | CO1 Understand the concepts of            |                                                                                                                                                                                                                                                                                                 |
|                                                   | Data Science Lab                | MMCA360PCP | CO1 Make use of the python libraries,     |                                                                                                                                                                                                                                                                                                 |
|                                                   | Blockchain Technology Lab       | MMCA361PCP | CO1 Understand the functional or          |                                                                                                                                                                                                                                                                                                 |
|                                                   | Industrial/Major Project        | MMCA470PCP | CO1 Applying SRS, techniques.             |                                                                                                                                                                                                                                                                                                 |
| MCA(Master of Computer Application) Bridge Course | Discrete Mathematics            | MMBC121FCT | CO1 Develop mathematical and logical      | <a href="https://manuu.edu.in/sites/default/files/CSIT/Syllabus/locf/2022-23_MCA%20Bridge%20C">https://manuu.edu.in/sites/default/files/CSIT/Syllabus/locf/2022-23_MCA%20Bridge%20C</a>                                                                                                         |
|                                                   | Information & Communication     | MMBC122PCT | CO1 Explain and demonstrate various       |                                                                                                                                                                                                                                                                                                 |
|                                                   | Introduction to Computer System | MMBC123PCT | CO1 Utilize the Internet Web resources    |                                                                                                                                                                                                                                                                                                 |
|                                                   | Problem Solving Using 'C'       | MMBC161PCP | CO1 Choose the loops and decision-        |                                                                                                                                                                                                                                                                                                 |
| PhD (Computer Science)                            | Research Methodology            | PHCS101CCT | CO1 Understand the issues & challenges,   | <a href="https://manuu.edu.in/sites/default/files/CSIT/Syllabus/locf/2022-23_Ph.D.%20(CS)%20-%20LOCF%20Syllabus%20%26%20Curriculum%20-%20V1.2.pdf">https://manuu.edu.in/sites/default/files/CSIT/Syllabus/locf/2022-23_Ph.D.%20(CS)%20-%20LOCF%20Syllabus%20%26%20Curriculum%20-%20V1.2.pdf</a> |
|                                                   | Software Engineering            | PHCS102CCT | CO1 Understand the fundamentals of        |                                                                                                                                                                                                                                                                                                 |
|                                                   | Research and Publication Ethics | PHCS105DST | CO1 Understand the philosophy, scientific |                                                                                                                                                                                                                                                                                                 |
|                                                   | Machine Learning                | PHCS105DST | CO1 Demonstrate the basic building blocks |                                                                                                                                                                                                                                                                                                 |
|                                                   | Blockchain Technology           | PHCS118DST | Course outcomes are with respect to the   |                                                                                                                                                                                                                                                                                                 |
| PhD (Computer Science)-Self Finance               | Research Methodology            | PHCS101CCT | CO1 Understand the issues & challenges,   |                                                                                                                                                                                                                                                                                                 |
|                                                   | Software Engineering            | PHCS102CCT | CO1 Understand the fundamentals of        |                                                                                                                                                                                                                                                                                                 |
|                                                   | Research and Publication Ethics | PHCS105DST | CO1 Understand the philosophy, scientific |                                                                                                                                                                                                                                                                                                 |
|                                                   | Machine Learning                | PHCS105DST | CO1 Demonstrate the basic building blocks |                                                                                                                                                                                                                                                                                                 |
| PhD Vishwaraya                                    | Blockchain Technology           | PHCS118DST | Course outcomes are with respect to the   |                                                                                                                                                                                                                                                                                                 |
|                                                   | Research Methodology            | PHCS101CCT | CO1 Understand the issues & challenges,   |                                                                                                                                                                                                                                                                                                 |
|                                                   | Software Engineering            | PHCS102CCT | CO1 Understand the fundamentals of        |                                                                                                                                                                                                                                                                                                 |
|                                                   | Research and Publication Ethics | PHCS105DST | CO1 Understand the philosophy, scientific |                                                                                                                                                                                                                                                                                                 |
|                                                   | Machine Learning                | PHCS105DST | CO1 Demonstrate the basic building blocks |                                                                                                                                                                                                                                                                                                 |
|                                                   | Blockchain Technology           | PHCS118DST | CO1 To be able to implement the           |                                                                                                                                                                                                                                                                                                 |

|    |                                                                                                       |
|----|-------------------------------------------------------------------------------------------------------|
| 12 | Courses having focus on employability/ entrepreneurship/ skill development during the academic year : |
|----|-------------------------------------------------------------------------------------------------------|

| Name of the Course           | Course Code | Activities/Content with direct bearing on | Link to the relevant document                                                                                                                                                         |
|------------------------------|-------------|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Intelligence of Things (IOT) | BTCS715PET  | Employability/Skill Development           | <a href="https://drive.google.com/file/d/1L149WcW_MdBDl5Nngr6nE_YQNomSu2QaY/view?usp=sharing">https://drive.google.com/file/d/1L149WcW_MdBDl5Nngr6nE_YQNomSu2QaY/view?usp=sharing</a> |
| Blockchain Technology        | MMCA313PCT  | Employability/Skill Development           |                                                                                                                                                                                       |
| Artificial Intelligence      | BTCS711PET  | Employability/Skill Development           |                                                                                                                                                                                       |
| Natural Language Processing  | BTCS839PET  | Employability/Skill Development           |                                                                                                                                                                                       |
| Data Science                 | MMCA311PCT  | Employability/Skill Development           |                                                                                                                                                                                       |
| Computer Network             | BTCS612PCT  | Employability/Skill Development           |                                                                                                                                                                                       |
| Object Oriented Programming  | BTCS405PCT  | Employability/Skill Development           |                                                                                                                                                                                       |
| IT Workshop Python           | BTCS362PCT  | Employability/Skill Development           |                                                                                                                                                                                       |

|    |                                                                       |
|----|-----------------------------------------------------------------------|
| 13 | Value-added courses* imparting transferable and life skills offered : |
|----|-----------------------------------------------------------------------|

| Name of the Value-added   | Date of Introduction | Number of Students enrolled |
|---------------------------|----------------------|-----------------------------|
| Cyber Security            | 24-07-2024           | 65                          |
| Digital and Technological | 09-01-2025           | 65                          |
| FIT                       | 09-01-2025           | 196                         |
|                           |                      |                             |

|    |                                                                                          |
|----|------------------------------------------------------------------------------------------|
| 14 | Field Projects / Internship/Research Projects(dissertation) undertaken during the year : |
|----|------------------------------------------------------------------------------------------|

| Name of the students | Roll Number of the Student | Field Projects / Internship/Research        | Name of the organization where the     | Duration of the Field | Link                                                                                                                                                                                    |
|----------------------|----------------------------|---------------------------------------------|----------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Md Tauqueer Manzar   | 21BTCS010HY                | React Developer                             | Team SoftDev Solution                  | 6 Month               | <a href="https://drive.google.com/file/d/1TCuBqTLtLaCtKVmvPdCCjB55DAsilf3HFF/view?usp=sharing">https://drive.google.com/file/d/1TCuBqTLtLaCtKVmvPdCCjB55DAsilf3HFF/view?usp=sharing</a> |
| Md Tauqueer Manzar   | 21BTCS010HY                | Web Development                             | Internshala                            | 2 Month               |                                                                                                                                                                                         |
| Md Tauqueer Manzar   | 21BTCS010HY                | Web Development                             | TechnoHacks EduTech.                   | 1 Month               |                                                                                                                                                                                         |
| Md Tauqueer Manzar   | 21BTCS010HY                | MERN Full-Stack Developer Intern            | Web Neural Infotech                    | 3 Month               |                                                                                                                                                                                         |
| Md Tauqueer Manzar   | 21BTCS010HY                | Frontend Intern                             | Tryidol Technologies Pvt. Ltd.         | 1 Month               |                                                                                                                                                                                         |
| Ashad Jamal          | 21BTCS059HY                | Data Structures and Algorithms in Java      | Infosy SpringBoard                     | 6 Month               |                                                                                                                                                                                         |
| Md Monauwarul Islam  | 21BTCS041HY                | Backend Developer Intern                    | WhatBytes                              | 2 Month               |                                                                                                                                                                                         |
| MUAZZAM ALI          | 21BTCS047HY                | Machine Learning Specialisation             | Stanford and Harvard University Online | 3 Month               |                                                                                                                                                                                         |
| SHAISTA PERWEEN      | 22BLC006HY                 | DATA SCIENCE INTERNSHIP                     | hackveda limited                       | 2 Month               |                                                                                                                                                                                         |
| AMAN HUSSAIN         | 21BTCS020HY                | Web Development and Designing               | Oasis Infobyte                         | 2 Month               |                                                                                                                                                                                         |
| Hibbanur Rahman      | 21btcs026hy                | Web developer                               | MeiTy Project                          | 10 Month              |                                                                                                                                                                                         |
| Hibbanur Rahman      | 21btcs026hy                | MERN Stack Developer                        | MeiTy Project                          | 4 Month               |                                                                                                                                                                                         |
| Hibbanur Rahman      | 21btcs026hy                | Full Stack Software Developer               | Intment Technologies Pvt. Ltd.         | 2 Month               |                                                                                                                                                                                         |
| Hibbanur Rahman      | 21btcs026hy                | React.js Developer Intern                   | Slikk.AI                               | 2 Month               |                                                                                                                                                                                         |
| Danish Hussain       | 22BLC008HY                 | MERN Stack Developer                        | MeiTy Project                          | 4 Month               |                                                                                                                                                                                         |
| MOTIURRAHMAN         | 21BTCS009HY                | MERN Stack Developer                        | MeiTy Project                          | 4 Month               |                                                                                                                                                                                         |
| MD SARWAR AHMAD      | 20BTCS046HY                | Full stack web development                  | Ministry of Micro, small and medium    | 4Month                |                                                                                                                                                                                         |
| Mohd Rakhshan Khan   | 21BTCS023HY                | MERN Stack Developer                        | MeiTy Project                          | 4 Month               |                                                                                                                                                                                         |
| MD AHMAD REZA        | 23MTCS009HY                | Full-Stack web development                  | Coding Ninjas                          | 6 Month               |                                                                                                                                                                                         |
| MD AHMAD REZA        | 23MTCS009HY                | Frontend Developer                          | VYNX Group of Technology Hyderabad     | 3 Month               |                                                                                                                                                                                         |
| RABIYA KHATOON       | 21BTCS022HY                | Python Coding Workshop                      | UMMEED Sunni Dawate Islami's Career    | 1 Week                |                                                                                                                                                                                         |
| MOHD FAIZAN          | 23MMCA006HY                | JAVA Programming-Beginner to Master         | Udemy                                  | 3 Month               |                                                                                                                                                                                         |
| MOHAMMAD SHAMS       | 23MMCA014HY                | Propulsion System Engineer Intern           | Expanse Aerospace pvt. Ltd.            | 6 Month               |                                                                                                                                                                                         |
| Umme Kulsoom         | 23MMCA008HY                | JAVA Programming-Beginner to Master         | Udemy                                  | 3 Month               |                                                                                                                                                                                         |
| MD IBRAHIM           | 23MMCA003HY                | Full Stack Web Developer                    | Solar Secure solution                  | 2 Month               |                                                                                                                                                                                         |
| MD IBRAHIM           | 23MMCA003HY                | Virtual and self -Paced Intership programme | Cyber Gyan virtual training            | 1.5 Month             |                                                                                                                                                                                         |

#### M.Tech Dissertation

| Name of the students    | Roll Number of the Student | Field Projects / Internship/Research               | Name of the organization where the    | Duration of the Field | Link                                                                                                                                                                                  |
|-------------------------|----------------------------|----------------------------------------------------|---------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TahreemTarique          | 23MTCS002HY                | Predictive Modeling for Thyroid Disease Diagnosis  | Maulana Azad National Urdu University | 12 Month              | <a href="https://drive.google.com/file/d/1z-OK10i7YMIff2aO4fRzyRIXZZDc2aUQJ/view?usp=sharing">https://drive.google.com/file/d/1z-OK10i7YMIff2aO4fRzyRIXZZDc2aUQJ/view?usp=sharing</a> |
| Nahid Chaudhary         | 23MTCS003HY                | Harvest Intelligence: Feature Extraction and Multi | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                       |
| Taskeen Nasim           | 23MTCS004HY                | A comprehensive study of stress Prediction using   | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                       |
| Md Ahmad Reza           | 23MTCS009HY                | Enhancing Education outcomes through Predictive    | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                       |
| Shabnam Khatoun         | 23MTCS011HY                | India Agriculture Crop Production Using Machine    | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                       |
| Syed Muzakki Reza Sabri | 23MTCS012HY                | Hyperledger Fabric Powered Decentralized Multi     | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                       |
| Ataliya Aarfeen         | 23MTCS013HY                | Fashion Retail Demand Forecasting Using Machine    | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                       |
| Sayyeda Shahnaz         | 23MTCS015HY                | Decentralized Crowdfunding Platform using smart    | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                       |
| Mohammad Hozafa         | 23MTCS018HY                | Deep learning Model for reliable Handwritten       | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                       |
| Adil Masood             | 23MTCS022HY                | Handwritten-Digital Data Conversion using Deep     | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                       |

#### MCA Project Report

| Name of the students | Roll Number of the Student | Field Projects / Internship/Research | Name of the organization where the    | Duration of the Field | Link                                                                                                                                                        |
|----------------------|----------------------------|--------------------------------------|---------------------------------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SHADMAN KAUSAR       | 23MMCA001HY                | SMART-FRUIT DETECTION AND            | Maulana Azad National Urdu University | 6 Month               | <a href="https://drive.google.com/file/d/1nH2K8MydzO0eHxaUa0U15tONX4NwZpDM/view">https://drive.google.com/file/d/1nH2K8MydzO0eHxaUa0U15tONX4NwZpDM/view</a> |
| DARAKHSHAN KAUSAR    | 23MMCA002HY                | IPL Winner Probability Prediction    | Maulana Azad National Urdu University | 6 Month               |                                                                                                                                                             |
| MD IBRAHIM           | 23MMCA003HY                | PREDICTION AND ANALYSIS OF INPATIENT | Maulana Azad National Urdu University | 6 Month               |                                                                                                                                                             |
| DILSHAD ANSARI       | 23MMCA005HY                | E- Learning Management System        | Maulana Azad National Urdu University | 6 Month               |                                                                                                                                                             |
| MOHD FAIZAN          | 23MMCA006HY                | MOVIE GENRE PREDICTION               | Maulana Azad National Urdu University | 6 Month               |                                                                                                                                                             |
| MD SAIF ALI          | 23MMCA007HY                | LIFT LONG                            | Maulana Azad National Urdu University | 6 Month               |                                                                                                                                                             |
| UMME KULSOOM         | 23MMCA008HY                | Web Scraping Using Python            | Maulana Azad National Urdu University | 6 Month               |                                                                                                                                                             |
| MD WASHIM            | 23MMCA009HY                | CROWDFUNDING SUCCESS PREDICTION      | Maulana Azad National Urdu University | 6 Month               |                                                                                                                                                             |
| ISHRA MOSHRRAF       | 23MMCA010HY                | CARDIO SENSE USING DEEP LEARNING     | Maulana Azad National Urdu University | 6 Month               |                                                                                                                                                             |
| SHADAN AHMAD         | 23MMCA012HY                | MESS MAVEN - A MESSMANAGEMENT        | Maulana Azad National Urdu University | 6 Month               |                                                                                                                                                             |

|                    |             |                                           |                                       |         |                                                                                                       |
|--------------------|-------------|-------------------------------------------|---------------------------------------|---------|-------------------------------------------------------------------------------------------------------|
| TABASSUM FATIMA    | 23MMCA013HY | DESKTOP VOICE ASSISTANT                   | Maulana Azad National Urdu University | 6 Month | <a href="#">https://docs.google.com/document/d/1fXnPMmrsx2s5vpaqvUJ3xWDhCznEmZXj/edit?usp=sharing</a> |
| MOHAMMAD SHAMS     | 23MMCA014HY | LAPTOP PRICE PREDICTOR                    | Maulana Azad National Urdu University | 6 Month |                                                                                                       |
| BASIT AHMAD ANSARI | 23MMCA015HY | AI-Driven notes generator                 | Maulana Azad National Urdu University | 6 Month |                                                                                                       |
| ZEESHAN            | 23MMCA016HY | SMART PLACEMENT PORTAL                    | Maulana Azad National Urdu University | 6 Month |                                                                                                       |
| MD AHAD RAZA       | 23MMCA018HY | BLOOD COOLECTION SYSTEM APPLICATIN        | Maulana Azad National Urdu University | 6 Month |                                                                                                       |
| MD ZULFAQUAR       | 23MMCA019HY | CROP RECOMMENNDATION SYSTEM USING         | Maulana Azad National Urdu University | 6 Month |                                                                                                       |
| SHARIKA JAVED      | 23MMCA020HY | MERN STACK BASED-E-BOOK STORE             | Maulana Azad National Urdu University | 6 Month |                                                                                                       |
| NADEEM KIDWAI      | 23MMCA021HY | Property Rental Application               | Maulana Azad National Urdu University | 6 Month |                                                                                                       |
| MOHD SULTAN        | 23MMCA023HY | Brain Tumor Detection Using Deep Learning | Maulana Azad National Urdu University | 6 Month |                                                                                                       |

#### B.Tech Departmental Project

| Name of the students | Roll Number of the Student | Major and Minor Field Projects /                 | Name of the organization where the    | Duration of the Field | Link                                                                                                                                                                                                                                                                                                          |
|----------------------|----------------------------|--------------------------------------------------|---------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hibbanur Rahman      | 21BTCS026HY                | TripSmart :A Smart Tourism Application           | Maulana Azad National Urdu University | 12 Month              | <a href="https://docs.google.com/document/d/1fXnPMmrsx2s5vpaqvUJ3xWDhCznEmZXj/edit?usp=sharing&amp;ouid=113156103696185927144&amp;rtpof=true&amp;sd=true">https://docs.google.com/document/d/1fXnPMmrsx2s5vpaqvUJ3xWDhCznEmZXj/edit?usp=sharing&amp;ouid=113156103696185927144&amp;rtpof=true&amp;sd=true</a> |
| Sabiha               | 21BTCS054HY                | Heart Stroke Analyzer                            | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                                                                                                                                               |
| Mohammad Abdul Rab   | 21BTCS011HY                | ZakatCare:Zakat Collection & Distribution System | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                                                                                                                                               |
| Md Sarfraz           | 21BTCS008HY                |                                                  | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                                                                                                                                               |
| Sahil Ali            | 21BTCS053HY                |                                                  | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                                                                                                                                               |
| Muazzam Ali          | 21BTCS047HY                | Predicting Financial Markets Using ML            | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                                                                                                                                               |
| Md Zahid             | 22BLCS012HY                | Adaptive Online Quiz System                      | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                                                                                                                                               |
| Abdur Rakib          | 21BTCS033HY                | AI Course Generator                              | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                                                                                                                                               |
| Md. Tabrej Kumar     | 21BTCS039HY                | IBN-e-SINA Healthcare Portal                     | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                                                                                                                                               |
| Khalid Raza          | 22BLCS011HY                | Online Laundry Management System                 | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                                                                                                                                               |
| Mohd Kashif          | 21BTCS040HY                | Conversion Predictors of Clinically Isolated     | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                                                                                                                                               |
| Saliq Javeed Dar     | 21BTCS066HY                | UniShare:Student Items Exchange and Reuse        | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                                                                                                                                               |
| Farhanur Rahman      | 21BTCS030HY                | Optimizing Podcast Applications for Augmented    | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                                                                                                                                               |
| Yaqoob               | 21BTCS051HY                |                                                  | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                                                                                                                                               |
| Ashad Jamal          | 21BTCS059HY                | TechHelp:Centralized Learning and Career Support | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                                                                                                                                               |
| Md Tauqueer Manzar   | 21BTCS010HY                | Easy Care: Connect Consult & Care                | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                                                                                                                                               |
| Sadiya Parween       | 21BTCS001HY                | AI Based HealthCare Recommendation System        | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                                                                                                                                               |
| Uvaish Khan          | 21BTCS061HY                | Royal Defense: Unity based 3D View               | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                                                                                                                                               |
| Amir Khusrroo        | 21BTCS046HY                | Home Tutor Finder: To Connect Students With      | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                                                                                                                                               |
| Mokarram Hussain     | 21BTCS044HY                | Fake News Detection System Using ML              | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                                                                                                                                               |
| Shamira              | 21BTCS031HY                |                                                  | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                                                                                                                                               |
| Bushra Parveen       | 21BTCS056HY                | Left Behind Unity Based 3D game                  | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                                                                                                                                               |
| Shagufta Naz         | 21BTCS004HY                | Real Estate Marketplace Application              | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                                                                                                                                               |
| Md Saifullah         | 21BTCS028HY                | HireNet:A Smart Job Search                       | Maulana Azad National Urdu University | 12 Month              |                                                                                                                                                                                                                                                                                                               |

#### 15 Feedback System

*(Please provide a note on analysis and utilization of the feedback obtained for the overall development of the Department in 500-1000 words).*

Action Taken Report on Student's Feedback – (Dec -2024) Total number of responses: 878

#### 16 Give details of the mentoring system in the Department in 500 words and provide the circular issued at the beginning of the Academic session and Indicate the mentor mentee list.

| Roll No     | Enrollment No | Name of the Students | Name of the Mentors |
|-------------|---------------|----------------------|---------------------|
| 24BTCS001HY | A240005       | FATIMA ANJUM         | Prof. Abdul Wahid   |
| 24BTCS002HY | A240006       | SANA ANJUM           |                     |
| 24BTCS003HY | A240007       | MOH ASIF             |                     |
| 24BTCS004HY | A240008       | MARIYAM FATMA        |                     |
| 24BTCS005HY | A240009       | ISMAT JAHAN          |                     |
| 24MMCA001HY | A240115       | MOHD SHARIQ JAVED    |                     |
| 24MTCS001HY | A190692       | MD SARWAR AHMAD      |                     |
| 24MTCS002HY | A220726       | AMREEN JAHAN         |                     |

|             |         |                            |                        |
|-------------|---------|----------------------------|------------------------|
| 24MMCA002HY | A240116 | MOHD YASSAR                | Prof. Pradeep Kumar    |
| 24BTCS006HY | A240010 | MOHAMMAD HANZALA           |                        |
| 24BTCS007HY | A240011 | UMAR RASHID                |                        |
| 24BTCS008HY | A240012 | RAHAT PARWEEN              |                        |
| 24BTCS009HY | A240013 | MOHD NAYAB RAZA            | Dr. Syed Imtiaz Hassan |
| 24BTCS010HY | A240014 | ADNAN ANSARI               |                        |
| 24MTCS003HY | A180021 | MD SHAHIM YAWAR ALI ANSARI |                        |
| 24MTCS004HY | A240001 | KHALID NASIM               |                        |
| 24MMCA003HY | A240117 | MOHAMMAD MURSALEEN         |                        |
| 24MMCA004HY | A201193 | MOHD KHALID                | Mrs. Tunga Arundhathi  |
| 24BTCS011HY | A210771 | SIMMI PARWEEN              |                        |
| 24BTCS012HY | A240015 | SHAHID RAJA                |                        |
| 24BTCS013HY | A240016 | OKASHA MAAZ                |                        |
| 24BTCS014HY | A240017 | ATIYA JAMIL                |                        |
| 24BTCS015HY | A240018 | MOHD ANIS KHAN             |                        |
| 24MTCS005HY | A200037 | MD AQUIB EZAZ              |                        |
| 24MTCS006HY | A181511 | SHARIQUE JAHANGIR          |                        |
| 24MMCA005HY | A240118 | MD RAGHIB RAHI             | Dr. Kahkashan Tabassum |
| 24MMCA006HY | A240119 | MOHAMMAD FAIZAN            |                        |
| 24BTCS016HY | A240019 | MD AADIL                   |                        |
| 24BTCS017HY | A240020 | MOHAMMAD SAJID             |                        |
| 24BTCS018HY | A240021 | MOHAMMAD SADIQUE           |                        |
| 24BTCS019HY | A240022 | MOHD ZEESHAN               |                        |
| 24BTCS020HY | A240023 | ADEEBA FATIMA              |                        |
| 24MTCS007HY | A180016 | MD ASIF IQUBAL             | Dr. A Satya Sai Kumar  |
| 24MTCS008HY | A200765 | MEHER AFRIN                |                        |
| 24MMCA007HY | A240120 | MD MINHAJ ALAM             |                        |
| 24MMCA008HY | A240121 | ASFIYA FATMA               |                        |
| 24BTCS021HY | A240024 | MD SAMAR KHAN              |                        |
| 24BTCS022HY | A240025 | MD NOOR ISLAM              |                        |
| 24BTCS023HY | A240026 | MD ARMAN ALI               |                        |
| 24BTCS024HY | A240027 | FARIYA ALAM                | Dr. Khaleel Ahmad      |
| 24BTCS025HY | A240028 | MOHD SADIQ                 |                        |
| 24MTCS009HY | A170838 | FAIZAN EQUBAL              |                        |
| 24MTCS010HY | A170252 | FARHAT NASIM               |                        |
| 24MMCA009HY | A240122 | SACHIN GAUTAM              |                        |
| 24MMCA010HY | A240123 | MD HAMID RAZZA ANSARI      |                        |
| 24BTCS026HY | A240029 | SIFAT NAAZ                 |                        |
| 24BTCS027HY | A240030 | MOHAMMAD SAKIB             | Mrs. Khaleda Afroaz    |
| 24BTCS028HY | A240031 | SABA PARVEEN               |                        |
| 24BTCS029HY | A200549 | MD IMAMUL HAQ              |                        |
| 24BTCS030HY | A240032 | MD FURQUAN                 |                        |
| 24MTCS011HY | A240002 | SABREEN KOUSHAR            |                        |
| 24MTCS012HY | A180472 | RIYAZUDDIN KHAN            |                        |
| 24MMCA011HY | A240124 | MAHJABEEN PERWEEN          |                        |
| 24MMCA012HY | A240125 | TOHEED AHMED               | Ms. Afrah Fatimah      |
| 24BTCS031HY | A240033 | IMBASAT AQDASH             |                        |
| 24BTCS032HY | A240034 | MD ATAULLAH                |                        |
| 24BTCS033HY | A240035 | ABDUL HAMEED               |                        |
| 24BTCS034HY | A240036 | MOHD MAROOF                |                        |
| 24BTCS035HY | A240037 | MD MAMUN RABBANI KHAN      |                        |
| 24MTCS013HY | A240003 | ZAKIR ABBAS                |                        |
| 24MTCS014HY | A170128 | ALQAMA NAZ                 | Dr. Mohd Omar          |
| 24MMCA017HY | A240129 | MAHJBEEN                   |                        |
| 24MMCA018HY | A240130 | RASHIQA SHAHNAWAZ          |                        |
| 24BTCS036HY | A240038 | ZIA UR REHMAN SIDDIQUI     |                        |

|                                                                                                                                                       |         |                      |                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------------|----------------------------|
| 24BTCS037HY                                                                                                                                           | A240039 | MD SAMEER KHAN       | Mr. Mohd Rafeeq            |
| 24BTCS038HY                                                                                                                                           | A210396 | RASHID QAMAR         |                            |
| 24BTCS039HY                                                                                                                                           | A240040 | AEHSAN ALAM          |                            |
| 24BTCS040HY                                                                                                                                           | A240041 | KAVISH KAMAL         |                            |
| 24MTCS017HY                                                                                                                                           | A180533 | MD ABDUL RAHMAN      |                            |
| 24MTCS018HY                                                                                                                                           | A240004 | SHAGUFTA PARWEEN     |                            |
| 24MMCA019HY                                                                                                                                           | A240131 | MD TANWEER           |                            |
| 24MMCA020HY                                                                                                                                           | A240132 | NAGMA PARWEEN        |                            |
| 24BTCS041HY                                                                                                                                           | A240042 | MD DANISH            |                            |
| 24BTCS042HY                                                                                                                                           | A240043 | AFIYA                |                            |
| 24BTCS043HY                                                                                                                                           | A200550 | MD AASHIK            | Dr. Muqeem Ahmed           |
| 24BTCS044HY                                                                                                                                           | A240044 | FAIZAN FAHAD         |                            |
| 24BTCS045HY                                                                                                                                           | A240045 | AFZAL IRAM           |                            |
| 24MTCS015HY                                                                                                                                           | A191356 | AZMAT YASMIN         |                            |
| 24MTCS016HY                                                                                                                                           | A200009 | SADAF SHAHEEN        |                            |
| 24MMCA021HY                                                                                                                                           | A212495 | MIFZAL NAJID         |                            |
| 24MMCA022HY                                                                                                                                           | A240133 | MD MAHTAB ALAM       |                            |
| 24BTCS046HY                                                                                                                                           | A240046 | SABA KHAN            |                            |
| 24BTCS047HY                                                                                                                                           | A240047 | MD SAZID             |                            |
| 24BTCS048HY                                                                                                                                           | A240048 | MD SADIQUE           |                            |
| 24BTCS049HY                                                                                                                                           | A240049 | ABU OBAIDA           |                            |
| 24BTCS050HY                                                                                                                                           | A240050 | MOHD ARSALANUL HUDA  |                            |
| 24MTCS019HY                                                                                                                                           | A200834 | RAUSHAN IMAM ANSARI  |                            |
| 24MTCS020HY                                                                                                                                           | A200830 | TAUSIF ALAM          |                            |
| 24MMCA023HY                                                                                                                                           | A240134 | MOHAMMAD SHAHADAT    |                            |
| 24MMCA024HY                                                                                                                                           | A200177 | MD KHUSHDIL          |                            |
| 24BTCS051HY                                                                                                                                           | A240051 | SHAIK KHALIDA BEGUM  | Dr. Jameel Ahamed          |
| 24BTCS052HY                                                                                                                                           | A240052 | MD SHOAIB ALAM       |                            |
| 24BTCS053HY                                                                                                                                           | A210576 | DARAKHSHA NAJ        |                            |
| 24BTCS054HY                                                                                                                                           | A200691 | KULSUM               |                            |
| 24BTCS055HY                                                                                                                                           | A240053 | MD FARID ANSARI      |                            |
| 24MTCS021HY                                                                                                                                           | A200017 | MD TAUQUEER REHAN    |                            |
| 24MTCS022HY                                                                                                                                           | A200013 | MD GULAB             |                            |
| 24MMCA013HY                                                                                                                                           | A201554 | MOHAMMAD ADIL        |                            |
| 24MMCA014HY                                                                                                                                           | A240126 | MD HAMID RAZA        |                            |
| 24BTCS056HY                                                                                                                                           | A210465 | MD SHAHID JAMAL      |                            |
| 24BTCS057HY                                                                                                                                           | A240207 | SYED SANAWED HUSSAIN |                            |
| 24BTCS058HY                                                                                                                                           | A210459 | RUKSHAR PARWEEN      |                            |
| 24BTCS059HY                                                                                                                                           | A240208 | SABRIN PERWEEN       |                            |
| 24BTCS060HY                                                                                                                                           | A240209 | SADIYA FATMA         |                            |
| 24MMCA015HY                                                                                                                                           | A240127 | SAEED ANWER AZMI     | Mr. Mohtesham Pasha Quadri |
| 24MMCA016HY                                                                                                                                           | A240128 | LUCKY AHMAD ANSARI   |                            |
| 24BTCS061HY                                                                                                                                           | A240210 | MOHD JAWAD KHAN      |                            |
| 24BTCS062HY                                                                                                                                           | A240211 | MD ALTAF ALAM        |                            |
| 24BTCS063HY                                                                                                                                           | A241258 | MD IMRAN             |                            |
| 24BTCS064HY                                                                                                                                           | A242205 | NARGIS KHATOON       |                            |
| 24MMCA025HY                                                                                                                                           | A240135 | MAHMOOD ALAM         |                            |
| 24MMCA026HY                                                                                                                                           | A240136 | ASMA PRAVEEN         |                            |
| 24MMCA027HY                                                                                                                                           | A211583 | MAHIYUDDIN KHAN      |                            |
| List out any specific issues encountered during mentoring process                                                                                     |         |                      |                            |
| Action taken                                                                                                                                          |         |                      |                            |
| The mentoring system in the Department of Computer Science and Information Technology at Maulana Azad National Urdu University (MANUU) is designed to |         |                      |                            |

17 Using ICT for effective teaching and Learning along with details of the ICT enabled teaching learning process (500-1000 words).

(a) ICT tools used for teaching learning process along with few examples

b) Percentage of courses (in the syllabus) which can be opted for Massive Open Online Courses MOOCs

C) Number of students who opted course through MOOCs (CSE,NPTL,Swayam,etc)

d) Provide list of training/orientation programs/workshops conducted or attended on ICT enabled teaching-learning process; content Development etc along with the list of participants attending such programs.

|    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 18 | <p><b>Action Plan/Strategic plan of the department indicating the target set and outcomes achieved for the academic year (to be provided in enclosed template ).</b></p> <p>Focus on Funded Project<br/>           To encourage consultancy by the department.<br/>           To motivate our teachers/Research Scholars for more number of patent.<br/>           To increase high number of journal Publications<br/>           Motivating students for doing real time project and Internship.</p> |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

19 Research funds sanctioned / received from industry and other organizations by the Department:

| Title of the Project                                                                                           | date of sanction | Duration (number of years)   | Name of the funding Agency                                            | Total grant sanctioned        | Amount received during                          | Name of the P.I/Co P.I(s)        |
|----------------------------------------------------------------------------------------------------------------|------------------|------------------------------|-----------------------------------------------------------------------|-------------------------------|-------------------------------------------------|----------------------------------|
| A Virtual Reality-Based Assistive System for Learning and Assessment of Persons with Intellectual Disabilities | 9-12-2024        | Dec 2023-Dec 2027 ( 4 Years) | Ministry of Electronics and Information Technology                    | 9504.67 Lakh                  | 700 lakhs (Sanction Order received on 9-12-2024 | <b>Prof.Abdul Wahid</b>          |
| A Virtual Reality-Based Blockchain Technology                                                                  | 01-05-2025       | Dec 2023-Dec 2027 (4 Years)  | Ministry of Electronics and Information                               | 9504.67 Lakh                  | 2038 lakhs (Sanction Order                      | <b>Prof.Abdul Wahid</b>          |
| Digitization of Handwritten                                                                                    | 18-12-2023       | 1 Year                       | Maulana Azad National Urdu University                                 | One Lakh Ten Thousand         | Dec 2023-Dec 2024                               | <b>Prof. Syed Imtiyaz Hassan</b> |
| Artificial Intelligence based Health Care for Transhumant Tribal Population of Jammu & Kashmir                 | 18-12-2023       | 1 Year                       | Maulana Azad National Urdu University (Central University), Hyderabad | One Lakh Twenty Thousand Only | Dec 2023-Dec 2024                               | <b>Dr. Jameel Ahamed</b>         |
| Optimizing WEDM Parameter                                                                                      | 18-12-2023       | 1 Year                       | Maulana Azad National Urdu University                                 | Ninety Five Thousand          | Dec 2023-Dec 2024                               | <b>Mr. Mohd. Rafeeq</b>          |
| Design Ontology based                                                                                          | 18-12-2023       | 1 Year                       | Maulana Azad National Urdu University                                 | Eighty Five Thousand          | Dec 2023-Dec 2024                               | <b>Dr. Muqem Ahmed</b>           |

20 Funds / Grants received from alumni, non-government bodies, individuals, philanthropies by the Department:

| Name of the | Funds/ Grants received in Rs. | Purpose | Facilities Directly Provided if any for |
|-------------|-------------------------------|---------|-----------------------------------------|
|             |                               |         |                                         |
|             |                               |         |                                         |
|             |                               |         |                                         |

21 Revenue generated by the Department from Consultancy :

| Name of the Consultant(s) | Name/Type of Consultancy | Consulting/Sponsoring Agency | Revenue generated (amount in rupees) |
|---------------------------|--------------------------|------------------------------|--------------------------------------|
|                           |                          |                              |                                      |

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22 Corporate Training provided by the Department :

| Name of the faculty/experts | Title of the Programme | Agency seeking training | Revenue generated (amount in rupees) | Number of participants |
|-----------------------------|------------------------|-------------------------|--------------------------------------|------------------------|
|                             |                        |                         |                                      |                        |
|                             |                        |                         |                                      |                        |
|                             |                        |                         |                                      |                        |

23 Awards for Innovation by Department/Teachers :

| Title of the Innovation | Name of the Awardee | Date | Name of the Certifying/Awarding | Type of Award |
|-------------------------|---------------------|------|---------------------------------|---------------|
|                         |                     |      |                                 |               |
|                         |                     |      |                                 |               |
|                         |                     |      |                                 |               |
|                         |                     |      |                                 |               |

| 24      | Seminars/conferences/Workshops Organised by the Department |                     |                      |                          |                                                                           |
|---------|------------------------------------------------------------|---------------------|----------------------|--------------------------|---------------------------------------------------------------------------|
| Name of | Date                                                       | No. of Participants | Expenditure incurred | Type of Event            | Link                                                                      |
| ICCMDN  | 16th Jan 2025 to 17th Jan 2025                             | 200                 | 3,80,000             | International Conference | <a href="https://drive.google.com/file">https://drive.google.com/file</a> |

25 Provide details of the Incubation centre/ startups /IIC established on campus and the contributions of the Department in terms of incubation :

Start-ups incubated on campus by the Department :

| Name of the Start-up | Nature of the Start-up | Date of commencement |
|----------------------|------------------------|----------------------|
|                      |                        |                      |
|                      |                        |                      |
|                      |                        |                      |
|                      |                        |                      |

26 Linkages and Collaboration with institutions/industries for internship, on-the-job training, project work, research, faculty exchange, student exchange etc. :

| Nature of                      | Name of the Participant   | Name of the partnering institution/ industry      | Start date     | End date       | Remarks (Please provide |
|--------------------------------|---------------------------|---------------------------------------------------|----------------|----------------|-------------------------|
| Entrepreneurship Industry      | 90 students               | NIEBUD, Hyderabad                                 | 20-August 2024 | 21 August 2024 | un paid                 |
| Strategic partnership aimed at | 150 Registered university | National Institute for Entrepreneurship and Small | 06-03-2025     | 07-03-2025     | un paid                 |

|                                                                                                      |                                          |                                                                                            |                         |               |                                |
|------------------------------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------|---------------|--------------------------------|
| Strategic partnership aimed at fostering women entrepreneurship within higher education institutions | 3 faculty registered via the SIDH portal | National Institute for Entrepreneurship and Small Business Development (NIESBUD) New Delhi | 19-05-2025              | 24-05-2025    | sponsored by Niesbud and MANUU |
| SkillUp India 4.0 initiative in                                                                      | 11 meritorious students from             | Nextwave                                                                                   | 03-12-2024 & 09-12-2024 | May 2026      | Unpaid internship              |
| Alumni-led industry bridge                                                                           | 90 students                              | QMatrixs                                                                                   | 25-02-2025              | May 2026      | Unpaid internship,             |
| Industry-Academia Partner                                                                            | 90 students                              | Kodnest Pvt, Ltd.                                                                          | 02nd April 2025         | May 2025      | Unpaid internship,             |
| Industry-Academia partner                                                                            | 6                                        | Bosch                                                                                      | Jan 2025                | May 2025      |                                |
| cultural exchange and                                                                                | one faculty and one student from         | Yuva sangam Phase 5                                                                        | Dec 2024                | Jan 2025      | sponsored by ministry of       |
| RBI and Educational                                                                                  | 30 registered students of                | RBI90 Quiz as part of the RBI's outreach to                                                | 19-09-2024              | December 2024 | sponsored by RBI               |

|    |                                                                                                                              |
|----|------------------------------------------------------------------------------------------------------------------------------|
| 27 | MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. : |
|----|------------------------------------------------------------------------------------------------------------------------------|

| Organisation | Date of MoU signed | Purpose and Activities | Number of students/teachers |
|--------------|--------------------|------------------------|-----------------------------|
|              |                    |                        |                             |
|              |                    |                        |                             |
|              |                    |                        |                             |
|              |                    |                        |                             |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 28 | Extension and outreach programmes conducted in collaboration with Government and / or Non- Government Organisations, Community, NSS/NCC/Red cross/Youth Red Cross (YRC), Unnat Bharat Abhiyan (UBA) etc., : |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| Title of the Activity | Organising unit/ agency/ collaborating agency | Name(s) of the teacher(s) coordinating the activity | Names of the students participated in such activities | Date(s) of the activity |
|-----------------------|-----------------------------------------------|-----------------------------------------------------|-------------------------------------------------------|-------------------------|
|                       |                                               |                                                     |                                                       |                         |
|                       |                                               |                                                     |                                                       |                         |
|                       |                                               |                                                     |                                                       |                         |
|                       |                                               |                                                     |                                                       |                         |
|                       |                                               |                                                     |                                                       |                         |

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|----|------------------------------------------------------------------------------------------------------------------------------------|
| 29 | Awards and recognitions received for extension activities from Government and other Government recognized Agencies/Organizations : |
|----|------------------------------------------------------------------------------------------------------------------------------------|

| Name of the Activity | Title of the Award/recognition | Awarding Agency | Award received for | Name of the |
|----------------------|--------------------------------|-----------------|--------------------|-------------|
|                      |                                |                 |                    |             |
|                      |                                |                 |                    |             |
|                      |                                |                 |                    |             |
|                      |                                |                 |                    |             |
|                      |                                |                 |                    |             |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 30 | Number of capability enhancement and development Programs organised such as Soft skill development, Remedial coaching, Bridge courses, Yoga, Meditation, Professional/Career Counseling etc. |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| Name of the capability | Date of implementation | Number of Students enrolled | Agencies involved (if any)/University |
|------------------------|------------------------|-----------------------------|---------------------------------------|
| Bridge Course for MCA  | 2023-2024 Odd Semester | 14                          | Department of CS&IT                   |
|                        |                        |                             |                                       |



|    |                                                                                                                                                                                                                                                                                                  |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 31 | Provide details of redressal of grievances, prevention of sexual harassment and ragging etc. (Provide details in 500-1000 words covering grievance redressal committee constitution, Total grievances received, Total grievances redressed, Average number of days for grievance redressal etc.) |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| Total grievances received | Number of grievances | Average number of days for grievance redressal |
|---------------------------|----------------------|------------------------------------------------|
|                           |                      |                                                |
|                           |                      |                                                |
|                           |                      |                                                |
|                           |                      |                                                |
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|----|-------------------------------------------------------------------------------------------------------------------------------------------|
| 32 | Number of professional development / administrative training programmes organized by the Department for teaching and non-teaching staff : |
|----|-------------------------------------------------------------------------------------------------------------------------------------------|

| Title of the professional | Title of the administrative | Dates (from) (DD-MM-YYYY) | Dates (to) (DD-MM-YYYY) | Number of participants | Name of the resource |
|---------------------------|-----------------------------|---------------------------|-------------------------|------------------------|----------------------|
|                           |                             |                           |                         |                        |                      |
|                           |                             |                           |                         |                        |                      |

|    |                                                                                                                                                                                   |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 33 | Provide Details of Technology up-gradation in the Department (number of Computers/Peripherals, Smart Boards, LCD, Projectors, Software procured, wifi bandwidth available etc.) : |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| Name of the Item  | Total number of Quantity | Added during the year |
|-------------------|--------------------------|-----------------------|
| Computer Monitors | 14                       | 2024-2025             |
|                   |                          |                       |

|    |                                                                                                                                                                |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 34 | Students qualifying in state/ national/ international level examinations (e.g. NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services): |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------|

| Name of Examination ( | Name of the Student | selected/ qualifying | Registration number/roll number for the |
|-----------------------|---------------------|----------------------|-----------------------------------------|
| GATE 2025             | Aftab Raza          | Qualified            | CS25S214035514                          |
| GATE 2025             | MD HASSAN           | Qualified            | CS25S21501124                           |
| GATE 2025             | MD SAJJAD ANSARI    | Qualified            | CS25S11511135                           |
| GATE 2025             | Aatif Nayeem        | Qualified            | CS25S21511223                           |
| GATE 2025             | MOHAMMAD            | Qualified            | CS24S61503652                           |
| GATE 2025             | Aman Hussain        | Qualified            | CS25S11511325                           |
| GATE 2025             | SABIHA              | Qualified            | CS25S11513971                           |
| GATE 2025             | Mohd Intekhab Ahmad | Qualified            | CS25S11515526                           |
| NET 2025              | Md Afaque Alam      | Qualified            | 4201003472                              |
| NET 2025              | Md Samshad          | Qualified            | 4201003351                              |
| UGC-NET-JRF 2025      | Mahmooda Khatoon    | Qualified            | 240520545312                            |

|    |                                                                                                            |
|----|------------------------------------------------------------------------------------------------------------|
| 35 | Student Progression to higher education (Vertical Mobility of Students from UG to PG, and from PG to PhD): |
|----|------------------------------------------------------------------------------------------------------------|

| Name of the Student | Qualifying Programme (e.g: | Admitted Programme(e.g: | Name of the Institution/University in | Link                                                                    |
|---------------------|----------------------------|-------------------------|---------------------------------------|-------------------------------------------------------------------------|
| ALI ABU BAKR        | B.Tech                     | M.TECH                  | M.Tech from IIT Guhati                | <a href="https://drive.google.com/fil">https://drive.google.com/fil</a> |
| MOHAMMAD AHMAD      | B.Tech                     | M.TECH                  | M.Tech from NIT Bhopal                | <a href="https://drive.google.com/fil">https://drive.google.com/fil</a> |
| MD SHAKIR HUSSAIN   | B.Tech                     | M.TECH                  | M.Tech from IIT Patna                 | <a href="https://drive.google.com/fil">https://drive.google.com/fil</a> |
| MD SARWAR AHMAD     | B.Tech                     | M.TECH                  | M.Tech from MANUU Hyderabad           |                                                                         |
| MD SHAHIM YAWAR ALI | B.Tech                     | M.TECH                  | M.Tech from MANUU Hyderabad           | <a href="https://drive.google.com/fil">https://drive.google.com/fil</a> |
| MD AQUIB EZAZ       | B.Tech                     | M.TECH                  | M.Tech from MANUU Hyderabad           |                                                                         |
| MD ASIF IQUBAL      | B.Tech                     | M.TECH                  | M.Tech from MANUU Hyderabad           | <a href="https://drive.google.com/fil">https://drive.google.com/fil</a> |
| MEHER AFRIN         | B.Tech                     | M.TECH                  | M.Tech from MANUU Hyderabad           | <a href="https://drive.google.com/fil">https://drive.google.com/fil</a> |
| SHAGUFTA PARWEEN    | B.Tech                     | M.TECH                  | M.Tech from MANUU Hyderabad           | <a href="https://drive.google.com/fil">https://drive.google.com/fil</a> |
| Sadaf Shaheen       | B.Tech                     | M.TECH                  | M.Tech from MANUU Hyderabad           | <a href="https://drive.google.com/fil">https://drive.google.com/fil</a> |
| MD TAUQUEER REHAN   | B.Tech                     | M.TECH                  | M.Tech from MANUU Hyderabad           | <a href="https://drive.google.com/fil">https://drive.google.com/fil</a> |

|    |                                                                    |
|----|--------------------------------------------------------------------|
| 36 | Details of the Placements of Students during 2024-25 academic year |
|----|--------------------------------------------------------------------|

| Name of the         | Highest Programme pursued | Name and address of the Institution/Company    | Salary Package per Annam (INR) | Placement through |
|---------------------|---------------------------|------------------------------------------------|--------------------------------|-------------------|
| MD AATIF ARSALAN    | B.Tech                    | Genpact                                        | 4,60,000                       | Off-Campus        |
| Muhammad Zaid       | B.Tech                    | TCS                                            | 3,36,877                       | Off-Campus        |
| MD RASHEDIN         | B.Tech                    | Master Works Software Pvt Ltd and Tru Projects | 4,00,000                       | Campus            |
| Md Shahab Musharaf  | B.Tech                    | Master Works Software Pvt Ltd and Tru Projects | 4,00,000                       | Campus            |
| Md Abdul Rahman     | B.Tech                    | Master Works Software Pvt Ltd                  | 4,00,000                       | Campus            |
| TAUQEER SAYEED      | B.Tech                    | Tru Projects Hyderabad based Company           | 2,00,000-300,000               | Campus            |
| MD FAIZUR RAHMAN    | B.Tech                    | Tru Projects Hyderabad based Company           | 2,00,000-300,001               | Campus            |
| MOHAMMAD ASAD       | B.Tech                    | Tru Projects Hyderabad based Company           | 2,00,000-300,002               | Campus            |
| MEHRUN NISA         | B.Tech                    | Tru Projects Hyderabad based Company           | 2,00,000-300,003               | Campus            |
| MOHD SHAHID         | B.Tech                    | Tru Projects Hyderabad based Company           | 2,00,000-300,004               | Campus            |
| MD GULAB            | B.Tech                    | Tru Projects Hyderabad based Company           | 2,00,000-300,005               | Campus            |
| MD FAIZUR RAHMAN    | B.Tech                    | Tru Projects Hyderabad based Company           | 2,00,000-300,006               | Campus            |
| MD SHAHIM YAWAR ALI | B.Tech                    | Tru Projects Hyderabad based Company           | 2,00,000-300,007               | Campus            |
|                     |                           |                                                |                                |                   |

|    |                                                                                               |
|----|-----------------------------------------------------------------------------------------------|
| 37 | Details of participation in Sports/Extracurricular/Outreach activities by Scholars/Students : |
|----|-----------------------------------------------------------------------------------------------|

| Name of the Scholar/ | Roll Number of the Student | Programme Pursuing | Name of the Sport / Cultural/ Outreach | Level: International/ | Name of the |
|----------------------|----------------------------|--------------------|----------------------------------------|-----------------------|-------------|
|                      |                            |                    |                                        |                       |             |

## Details of the Publications

### 38 Details of Research Publication of the Teachers/Scholars/Students the last Academic year based on average citation index in UGC-CARE list/ Scopus/ Web of Science or PubMed/ Indian Citation Index

| Name of the Author(s)        | Title of the paper              | Name of the journal                                  | volume | issue no | Publication date | Name of the Publisher       |
|------------------------------|---------------------------------|------------------------------------------------------|--------|----------|------------------|-----------------------------|
| Fayaz Ahmad Naikoo,          | Analyzing processing time and   | International Journal of Information Technology,     | 16     |          | 13-07-2024       | Springer                    |
| Fayaz Ahmad Naikoo,          | Design of a mix network with    | Internet Technology Letters, Wiley                   | 8      | 3        |                  | Wiley                       |
| Sobiya Arsheen, Khaleel      | ImmuneChain: A Blockchain-      | SN Computer Science, Springer                        | 6      | 1        |                  | Springer                    |
| Sobiya Arsheen, Khaleel      | A blockchain-based              | Intelligent Decision Technologies, IOS Press         | 19     | 3        |                  | IOS Press/ Sage Publication |
| Tayyab Khan, Karan Singh,    | Trust-driven approach to        | Scientific Reports                                   | 15     |          |                  | Nature Publishing Group UK  |
| Nusrath Fathima, Pradeep     | Unmasking Poly Cystic Ovarian   | International Journal of Bioinformatics Research and | 21     | 5        | in press         | Inderscience Publishers     |
| Afrah Fathima, G.Shree Devi  | Enhancing university network    | International Journal of System Assurance            |        |          | Aug 2024         | Springer                    |
| Mohd Rafeeq ,                | Wire electrical discharge       | Frontiers in Engineering and Built Environment.      | 5      | 3        | 21-8-2025        | Emerald Publishing          |
| Md. Gulzar, Muqem Ahmed      | Ontology Based Multi Parameter  | Journal of Information Systems Engineering &         | 10     | 3        | 06-01-2025       | JISEM                       |
| Mohd Mustafeez ul Haque,     | Hybrid course recommendation    | International Journal of Information Technology      | 17     |          | 20-Feb-25        | 3                           |
| Alhaj Ali Nadim, N.D. Patel, | Design and Analysis of a Robust | International Journal of Sensor Networks             | 46     | 1        | 26-Sep-24        | 3                           |
| Mustafeez ul Haque Mohd,     | Contextual Course Clustering:   | International Journal of Intelligent Systems and     | 12     | 4        | 12-Jun-24        |                             |
| Mohamed Anas VT, Mohd        | Deep learning-based speed       | SN Computer Science                                  | 5      |          | 22-May-24        | 2                           |
| Mohd Mustafeez ul Haque,     | A Comprehensive Review of       | International Journal of Computing and Digital       | 16     | 1        | 01-Oct-24        | 1                           |
| Geeta Pattun, Pradeep Kumar  | Feature Engineering Trends in   | International Research Journal of Multidisciplinary  | 7      | 2        | 21-03-2025       |                             |

### 39 Books and Chapters in edited Volumes / Books published / papers in National/International Conference Proceedings by the Teachers/scholars/students :

| Name of the                  | Title of the book/edited book | Title of the chapter                                | Title of the paper published in         | Title and details of the | ISBN/ISSN No.            | Provide the Link of publication                                                               |
|------------------------------|-------------------------------|-----------------------------------------------------|-----------------------------------------|--------------------------|--------------------------|-----------------------------------------------------------------------------------------------|
| Nawaz Abdullah Malla,        | Diagnosis and Analysis of     | The pandemic: blockchain-based e-voting system, the |                                         |                          | 978-0-323-95374-0        | <a href="https://www.sciencedirect.com/scienc">https://www.sciencedirect.com/scienc</a>       |
| Zoya Tabassum, Sobiya        |                               |                                                     | Blockchain-Based Secure e-KYC Solution  |                          | 979-8-3315-0526-4        | <a href="https://ieeexplore.ieee.org/abstract/do">https://ieeexplore.ieee.org/abstract/do</a> |
| Naiyar Iqbal & Aditya        |                               |                                                     | Decoding SARS-CoV-2 Variants: An in-    |                          | 979-8-3503-4846-0        | <a href="https://ieeexplore.ieee.org/document/1">https://ieeexplore.ieee.org/document/1</a>   |
| Mohammad Islam, Abdul        |                               |                                                     | Machine Learning driven Framework to    |                          | E Book ISBN: 978-981-97- | <a href="https://link.springer.com/chapter/10.1">https://link.springer.com/chapter/10.1</a>   |
| Nusrath Fathima, Pradeep     |                               |                                                     | Multi-Class Classification of Brain     | 2024 IEEE International  | 2688-0288                | <a href="https://ieeexplore.ieee.org/document/1">https://ieeexplore.ieee.org/document/1</a>   |
| Adil Masood,                 |                               |                                                     | Next-Generation Deep Learning           | Proceedings of the       |                          | <a href="http://dx.doi.org/10.2139/ssrn.521836">http://dx.doi.org/10.2139/ssrn.521836</a>     |
| Mohatesham Pasha Quadri,     |                               |                                                     | Corpus-Based Machine Translation for    | Innovative Computing and | 978-981-97-4228-8        | <a href="https://doi.org/10.1007/978-981-97-">https://doi.org/10.1007/978-981-97-</a>         |
| Meduri V N S S R K Sai       |                               |                                                     | Bitcoin Price Prediction Using LSTM and |                          |                          | <a href="https://papers.ssrn.com/sol3/papers.cf">https://papers.ssrn.com/sol3/papers.cf</a>   |
| Md Afaque Alam, Dr.          |                               |                                                     | Leveraging Deep CNNs for Efficient Urdu |                          |                          | <a href="https://papers.ssrn.com/sol3/papers.cf">https://papers.ssrn.com/sol3/papers.cf</a>   |
| Muqtarul Islam,Afrah Fathima |                               |                                                     | An Improved Technique for Bone Fracture | Conference Proceesings   |                          |                                                                                               |
| Afrah Fathima,Amir Khan      |                               |                                                     | Optimizing Network Performance and      | ICDAM 2024               |                          |                                                                                               |
| Amir Khan, Muqem Ahmed,      |                               |                                                     | Enhanced Phishing Detection using       | Conference Proceesings   |                          | <a href="https://papers.ssrn.com/sol3/papers.cf">https://papers.ssrn.com/sol3/papers.cf</a>   |
| Md. Gulzar, Muqem Ahmed      | Computation of Artificial     |                                                     | An Efficient Ontology Based Chronic     |                          | 978-3-031-17484-9        | <a href="https://link.springer.com/chapter/10.1">https://link.springer.com/chapter/10.1</a>   |
| Amir Khan, Dr. Muqem         |                               |                                                     | Enhancing player experience in MMORPG   |                          |                          | <a href="https://papers.ssrn.com/sol3/papers.cf">https://papers.ssrn.com/sol3/papers.cf</a>   |
| Bondugula Rohit Kumar,       | AB-BiL: A Deep Learning       | "                                                   | Smart Healthcare and Machine Learning   |                          | 978-301-97-3312-3        | <a href="https://link.springer.com/chapter/10.1">https://link.springer.com/chapter/10.1</a>   |
| Mohammed Yousuf, Abdul       | Proceedings of Eighth         |                                                     | Enhancing E-Learning Interactivity with |                          | 978-981-97-4895-2        | <a href="https://link.springer.com/chapter/10.1">https://link.springer.com/chapter/10.1</a>   |

|    |                                                                                                       |
|----|-------------------------------------------------------------------------------------------------------|
| 40 | Details of Participation of the Teachers/Scholars/Students in Conferences, Seminars, Workshops etc. : |
|----|-------------------------------------------------------------------------------------------------------|

| Name of the Participant    | Programme pursuing (In case | Name of the Conference/ Seminar/ Workshop            | Organiser and Date & Venue                 | Participated as paper    | Title of the Paper/Poster  | Details of                          |
|----------------------------|-----------------------------|------------------------------------------------------|--------------------------------------------|--------------------------|----------------------------|-------------------------------------|
| Prof. Syed Imtiyaz Hassan  |                             | 3rd International Conference on Advances in          | September 20-21, 2024, BITS Pilani, K K    | Paper Presenter          | An Evidence based          |                                     |
| Prof. Syed Imtiyaz Hassan  |                             | International Conference on Artificial Intelligence, | March 01, 2025, Charotar University of     | Paper Presenter          | Blockchain based Rural     |                                     |
| Dr. Khaleel Ahmad(Received |                             | International Conference on Computational Methods,   | Department of Computer Science and         | Paper Presenter          | Hyperledger Fabric         |                                     |
| Mohammad Islam, Abdul      |                             | International Conference on Computational Methods,   | Department of Computer Science and         | Paper Presenter          | Predictive Modeling of     |                                     |
| Nusrath Fathima, Pradeep   |                             | International Conference on Computational Methods,   | Department of Computer Science and         | Paper Presenter          | Revolutionizing Brain MRI  | No                                  |
| Nusrath Fathima, Pradeep   |                             | International Conference on Data Analytics &         | London Metropolitan University, London,    | Paper Presenter          | MRI Image Classification   | No                                  |
| Mohd Omar                  |                             | International Conference on Computational Methods,   | Department of Computer Science and         | Presenter (Co-author)    | Educational Outcomes       | No                                  |
| Dr. P. Pavankumar, Dr. A.  |                             | 8th International Artificial Intelligence and Data   | Sept 21-22, 2024, Malatya, Türkiye         | Paper Presenter          | Optimizing Feedback        | No                                  |
| Afrah Fathima, Amir Khan,  |                             | ICDAM 2024 International Conference on Data          |                                            |                          | Optimizing Network         | No                                  |
| Mohatesham Pasha Quadri    |                             | International Conference on Computational Methods,   | Department of CS & IT, MANUU               | Paper Presenter (Co-     | Next-Generation Deep       | No                                  |
| Mohatesham Pasha Quadri    |                             | International Conference on Computational Methods,   | Department of CS & IT, MANUU               | Paper Presenter          | Exploring the Role of      | No                                  |
| Mohatesham Pasha Quadri    |                             | International Conference on Law and Technology       | MANUU LAW School, Maulana Azad             |                          | AI INNOVATIONS FOR         | No                                  |
| Dr. Muqeem Ahmed           |                             | Program for Virtual Mobility: Econometrics           | Suny State University, Ukraine; 29-03-     | Resource Person (Invited | The Role of Big Data in    | Sponsored by Mahatma Jyotiba Phule. |
| Dr. Muqeem Ahmed           |                             | Workshop on Statistical Skills Development           | Department of Economics, Maulana Azad      | Resource Person          | Statistical Hypothesis     |                                     |
| Mohammad Hozaifa, Khaleda  |                             | International Conference on Computational Methods,   | Maulana Azad National Urdu University,     | Presenter (Co-author)    | A Review of Deep Learning  |                                     |
| Dr. Muqeem                 |                             | International Conference on Computational Methods,   | Maulana Azad National Urdu University,     | Presenter (Co-author)    | Bit Coin Price Predection  |                                     |
| Dr. Muqeem Ahmed           |                             | International Conference on Computational Methods,   | Maulana Azad National Urdu University,     | Presenter (Co-author)    | Ontology based safe drug   |                                     |
| Dr. Muqeem Ahmed           |                             | International Conference on Computational Methods,   | Maulana Azad National Urdu University,     | Presenter (Co-author)    | Enhance Phishing detection |                                     |
| Dr. Muqeem Ahmed           |                             | International Conference on Computational Methods,   | Maulana Azad National Urdu University,     | Session Incharge         |                            |                                     |
| Dr. Muqeem Ahmed           |                             | International Conference on Advancements in          | Vidya Vihar Institute of Technology Purnea | Presenter (Co-author)    | Enhanced Urdu hand         |                                     |
| Dr. Muqeem Ahmed           |                             | International Conference on Data Processing and      | Institute of Technology and business       | Presenter (Co-author)    | Enhancing player           |                                     |
| Dr. Muqeem Ahmed           |                             | International Conference on Computation of Atificial | Department of AI and ML School of          | Presenter (Co-author)    | An Efficient Ontology      |                                     |
| Dr. Muqeem Ahmed           |                             | 4th International Conference on ICT for Digital,     | Department of CSE, SEST, Jamia             | Presenter (Co-author)    | Ensambling Learning for    |                                     |
| Dr. Muqeem Ahmed           |                             | International Conference on Computational Methods,   | Maulana Azad National Urdu University,     | Reviewer                 |                            |                                     |
| Dr. Muqeem Ahmed           |                             | International Conference on Computational Methods,   | Maulana Azad National Urdu University,     | Technical Program Chair  |                            |                                     |
| Dr. Muqeem Ahmed           |                             | 8th International Conference on Research in          | Department of CS&IT Maulana Azad           | Organising Committee     |                            |                                     |
| Dr. Jameel Ahamed          |                             | International Conference on Computational Methods,   | Department of CS&IT Maulana Azad           | Convener                 |                            |                                     |
| Dr. Jameel Ahamed          |                             | International Conference on Computational Methods,   | Department of CS&IT Maulana Azad           | Presenter (Co-author)    | Prediction of Stock Market |                                     |
| Ms.Tunga Arundhathi        |                             | International Conference on Computational Methods,   | Maulana Azad National Urdu University,     | Reviewer                 |                            |                                     |
| Ms.Tunga Arundhathi        |                             | International Conference on Computational Methods,   | Maulana Azad National Urdu University,     | Organising Committee     |                            |                                     |
| Ms.Tunga Arundhathi        |                             | International Conference on Computational Methods,   | Maulana Azad National Urdu University,     | Presenter                | Deep Learning Approach to  |                                     |
| Dr. Fareeha Rasheed        |                             | International Conference on Computational Methods,   | Maulana Azad National Urdu University,     | Presenter (Co-author)    | E-Deekshaam: A             |                                     |
| Tahreem, Tareeq, Geeta     |                             | International Conference on Computational Methods,   | Maulana Azad National Urdu University,     | Presenter (Co-author)    | Predictive Modeling for    | no                                  |
| Geeta Pattun,Pradeep       |                             | International Conference on Computational Methods,   | Maulana Azad National Urdu University,     | Presenter                | motion Detection in E-     | no                                  |
| Geeta Pattun,Pradeep       |                             | International Conference on Computational Methods,   | Maulana Azad National Urdu University,     | Publicity Chair          |                            |                                     |
| Geeta Pattun               |                             | International Conference on Computational Methods,   | Maulana Azad National Urdu University,     | Reviewer                 |                            |                                     |
| Khaleda Afroaz             |                             | International Conference on Computational Methods,   | Maulana Azad National Urdu University,     | Reviewer                 |                            |                                     |

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| 41 | Patents published/awarded : |
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| Title of the               | Status of the Patent  | Patent Number | Name of the Applicant(s)             | Date of filing the Patent | Link on IPR Website                                                   |
|----------------------------|-----------------------|---------------|--------------------------------------|---------------------------|-----------------------------------------------------------------------|
| Smart Vehicle Monitoring   | 06-09-2024 (Awarded)  | MY-204634-A   | Khairul Amali Ahmad, Khaleel Ahmad,  | 18-12-2020                | <a href="#">Certificate of</a>                                        |
| Advanced Threat Monitoring | 16/08/2024(Published) | 202441060273A | Muqeem Ahmed, Afrah Fathima, Amir    | 09-08-2024                | <a href="https://acrobat.adobe.com/i">https://acrobat.adobe.com/i</a> |
| Low cost UAV Detection     | Published             | 202411046634A | Damandeep Singh, Dr Gousia Habib, Dr | 05-07-2024                |                                                                       |

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| 42 | Participation of Faculty (Online/face to face) in Training Programmes/Refresher Courses/Orientation Programmes/Workshops/short courses/FDP/PDP etc. |
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| Name of the Faculty     | Name of the Programme          | Venue                                                 | Date of the Programme               | duration of the | Level: International/ | Institutional Support recieved for |
|-------------------------|--------------------------------|-------------------------------------------------------|-------------------------------------|-----------------|-----------------------|------------------------------------|
| Dr. Mohd Omar           | Industrial Training            | RTTC BSNL Hyderabad                                   | 20-31 December 2024                 | 2 weeks         | National              | Duty leaves                        |
| Dr. A. Satya Sai Kumar  | FDP                            | VASAVI COLLEGE OF ENGINEERING,                        | 09/09/2024 to 14/09/2024            | 1 WEEK          | National              | Duty leaves                        |
| Dr. A. Satya Sai Kumar  | FDP                            | NIT Warangal.                                         | 21/10/2024 to 31/10/2024            | 10 Days         | National              | No                                 |
| Dr. A. Satya Sai Kumar  | Pedagogy                       | Chanderprahu Jain College of Higher studies           | 02/12/2024 to 07/12/2024            | 1 WEEK          | National              | No                                 |
| Dr. A. Satya Sai Kumar  | INDUSTRIAL TRAINING            | Bharat Sanchar Nigam Limited (BSNL), Hyderabad        | 20/01/2025 to 01/02/2025            | 2WEEK           | National              | Duty leaves                        |
| Dr. A. Satya Sai Kumar  | FDP                            | KESHAV MEMORIAL INSTITUTE OF                          | 10/02/2025 to 15/02/2025            | WEEK            | National              | No                                 |
| Dr. A. Satya Sai Kumar  | INDUSTRIAL TRAINING            | Academy of Skill Development (ASD)                    | 03/03/2025 to 15/03/2025            | 2 WEEK          | National              | No                                 |
| Dr. A. Satya Sai Kumar  | Pedagogy                       | Research Foundation of India & RFI Care               | 17/03/2025 to 22/03/2025            | 1 WEEK          | National              | No                                 |
| Mohatesham Pasha Quadri | INDUSTRIAL TRAINING            | Bharat Sanchar Nigam Limited (BSNL), Hyderabad        | 20/01/2025 to 01/02/2025            | 2WEEK           | National              | Duty leaves                        |
| Mohatesham Pasha Quadri | Workshop on "Institutional     | MMTTC, MANUU in Collaboration with IQAC,              | 12th August, 2024                   | 1-Day           | University            | No                                 |
| Dr. Jameel Ahamed       | Industrial Training            | RTTC BSNL Hyderabad                                   | 20-31 December 2024                 | 2 weeks         | National              | Duty leaves                        |
| Ms. Tunga Arundhathi    | Industrial Training            | RTTC BSNL Hyderabad                                   | 20-31 December 2024                 | 2 weeks         | National              | Duty leaves                        |
| Geeta Pattun            | INDUSTRIAL TRAINING            | Bharat Sanchar Nigam Limited (BSNL), Hyderabad        | 20/01/2025 to 01/02/2025            | 2WEEK           | National              | Duty leaves                        |
| Geeta Pattun            | Winter School on Deep Learning | Organized by the Multimedia Lab, Department of        | January 6-13, 2025                  | 1 week          | national level        | NO                                 |
| Geeta Pattun            | AI Powered Lifelong Learning   | (organized by Instructional Media Centre, MANUU)      | December 17, 2024                   | 1 day           | national level        | NO                                 |
| Geeta Pattun            | FDP on LaTeX                   | CVR College of Engineering                            | 24-29 March 2025                    | 1 week          | national level        | NO                                 |
| Geeta Pattun            | 5-day Residential Faculty      | The National Institute for Entrepreneurship and Small | 19th May 2025 to 23rd May 2025      | 1 week          | National Level        | yes                                |
| Geeta Pattun            | NEP 2020 Orientation &         | Organized by UGC-MMTTC under the Malaviya             | 10 days (from 1st to 10th May, 2024 | 10 days         | National level        |                                    |
| Khaleda Afroaz          | 5-day Residential Faculty      | The National Institute for Entrepreneurship and Small | 19th May 2025 to 23rd May 2025      | 1 week          | National Level        | yes                                |

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| 43 | E-content developed by Teachers for e-PG-Pathshala, CEC (under e-PG-Pathshala, CEC (Under Graduate), SWAYAM, other MOOCs platform, NPTEL/NMEICT/any other Government initiatives & institutional Learning Management System (LMS) etc. |
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| Name of the Teacher | Details of the module/Content | Platform on which module/Content is developed | Date of launching e - content | Web Link |
|---------------------|-------------------------------|-----------------------------------------------|-------------------------------|----------|
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| 44 | Teachers awarded National/International fellowship for advanced studies/research : |
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| Name of the Teacher | Details of the fellowship | Awarding Agency | Duration of the Fellowship | Remarks |
|---------------------|---------------------------|-----------------|----------------------------|---------|
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| 45 | Teachers receiving financial support to attend conferences / workshops and towards membership fee of professional bodies from the University: |
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| Year | Name of the Teacher | Name of conference/ workshop attended for which | Name of the professional body for which | Amount of support |
|------|---------------------|-------------------------------------------------|-----------------------------------------|-------------------|
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| 46                            | Describe at least two best practices of the Department in the format given below:                                                        |
| 1. Title of the Practice      | Display and Discussion of the Answer Scripts with Students                                                                               |
| 2. Objectives of the Practice | Showing the answer scripts to the students and holding discussion on answer scripts with them is a practice aimed at one hand, to        |
| 3. The Context What were the  |                                                                                                                                          |
| 4. The Practice Describe the  | The general dissatisfaction of the students in respect of the marks and the grades that they score is addressed through this practice of |
| 5. Evidence of Success        | The project “Adaptive Assistive System for Children with Moderate Intellectual Disability” was initiated on February 11, 2022 with       |
| 6. Problems Encountered and   |                                                                                                                                          |
| 7. Notes (Optional) Please    |                                                                                                                                          |
| Any other information         |                                                                                                                                          |

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| 47 | Provide details of impactful and most important initiatives of the department addressing the locational advantages and disadvantages in 500-1000 words covering the issue listed below: |
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| a) Initiatives to address   | Hyderabad, has emerged as a major IT hub with several advantages, such as a favorable business environment, skilled workforce,             |
| b) Initiatives taken to     | Partnerships with local organizations: Collaborating with local nonprofit organizations, community centers can lead to mutually            |
| c) Date and duration of the | 1st June 2024 to 31th May 2025                                                                                                             |
| d) Issues addressed and     | <b>Skill Development &amp; Education:</b> Addressed the gap between academic learning and industry needs. Students gained relevant skills, |
| e) Details of participating | Students and Faculty members of Department of CS & IT, MANUU                                                                               |