## HARCOURT BUTLER TECHNICAL UNIVERSITY

## Recruitment Rules (Direct Recruitment) for Faculty Positions (Assistant Professor, Associate Professor and Professor) in Masters in Computer Application

| Name of the   | Essential Qualification and   | Relevant Discipline   | Relevant Discipline (PG)  |
|---|---|---|---|
| Post  | Experience  | (UG)  | • • • •   |
| Assistant<br>Professor<br>(Level – 10,<br>Entry Pay<br>57700/-) | <ul> <li>B. E. / B. Tech. / B. S. and<br/>M.E. / M. Tech. / M. S. or<br/>Integrated M. Tech. in<br/>relevant branch with First<br/>Class or equivalent in any<br/>one of the degrees</li> <li>OR</li> <li>B. E./ B. Tech. and MCA<br/>with First Class or equivalent<br/>in any one of the two degrees.</li> <li>OR</li> <li>Graduation of three years'<br/>duration with Mathematics as<br/>a compulsory subject and<br/>MCA with First Class or<br/>equivalent with 2 years of<br/>relevant experience after<br/>acquiring degree of MCA</li> </ul> | <ul> <li>3-D Animation &amp;<br/>Graphics</li> <li>Advanced Computer<br/>Application</li> <li>Computer and<br/>Communication<br/>Engineering</li> <li>Computer Engineering &amp;<br/>Application</li> <li>Computer Networking</li> <li>Computer Science &amp;<br/>Engineering</li> <li>Computer Science and<br/>Information Technology</li> <li>Computer Science and<br/>Systems Engineering</li> <li>Computing in<br/>Computing in<br/>Computing in<br/>Software Science</li> <li>Electronics &amp; Computer<br/>Engineering</li> <li>Electronics and<br/>Computing</li> <li>Software Engineering</li> <li>Mathematics and<br/>Computing</li> <li>Software Engineering</li> <li>Information Engineering</li> <li>Information Engineering</li> <li>Information Science and<br/>Engineering</li> <li>Information Technology</li> <li>Information Technology</li> <li>Information Engineering</li> <li>Information Engineering</li> <li>Information Engineering</li> <li>Information Engineering</li> <li>Information Technology</li> <li>Information Engineering</li> <li>Information Engineering</li> <li>Information Technology</li> <li>Information Technology</li> <li>Information Technology</li> <li>Information Technology</li> <li>Information Technology</li> <li>Information Technology</li> </ul> | <ul> <li>Advanced Communication<br/>and Information Systems</li> <li>Artificial Intelligence</li> <li>Biometrics &amp; Cyber<br/>Security</li> <li>Communication and<br/>Networking</li> <li>Computer and<br/>Communication</li> <li>Computer and<br/>Communication Engineering</li> <li>Computer and Information<br/>Science</li> <li>Computer Applications</li> <li>Computer Cognition and<br/>Technology</li> <li>Computer Engineering &amp;<br/>Application</li> <li>Computer Engineering and<br/>Networking</li> <li>Computer Hardware &amp;<br/>Networking</li> <li>Computer Network<br/>Engineering</li> <li>Computer Networking and<br/>Engineering</li> <li>Computer Networking and<br/>Engineering</li> <li>Computer Networking and<br/>Engineering</li> <li>Computer Networks and<br/>Information Security</li> <li>Computer Networks and<br/>Information Security</li> <li>Computer Science &amp;<br/>&amp; Engineering</li> <li>Computer Science &amp;<br/>&amp; Engineering (Networks)</li> <li>Computer Science and<br/>Engineering (Cyber<br/>Security)</li> <li>Computer Science and<br/>Engineering (Cyber<br/>Security)</li> <li>Computer Science and<br/>Engineering (Cyber<br/>Security)</li> <li>Computer Science and<br/>Engineering (Cyber<br/>Security)</li> <li>Computer Science and<br/>Information System</li> <li>Computer Science and<br/>Information Technology</li> <li>Computer Science and<br/>Systems Engineering</li> <li>Computer Technology</li> <li>Computer Technology and</li> </ul> |

|   |  |   | <ul> <li>Applications</li> <li>Computer Vision and Image<br/>Processing</li> <li>Computing in Computing</li> <li>Cyber Forensics</li> <li>Cyber Forensics and<br/>Information Security</li> <li>Cyber Security</li> <li>Data Sciences</li> <li>E-learning Technologies</li> <li>E-security</li> <li>I.T. (Courseware<br/>Engineering)</li> <li>Image Processing</li> <li>Information and<br/>Communication Technology</li> <li>Information Engineering</li> <li>Information Science and<br/>Technology</li> <li>Information Security</li> <li>Information Security</li> <li>Information Security</li> <li>Information Security</li> <li>Information Security</li> <li>Information Security</li> <li>Information Technology and<br/>Engineering</li> <li>Information Technology and<br/>Engineering</li> <li>Information Technology (Artificial Intelligence and<br/>Robotics)</li> <li>Information Technology (Information and Cyber<br/>Warfare)</li> <li>Master of Science in<br/>Software engineering</li> <li>Multimedia and Software<br/>Engineering</li> <li>Multimedia Technology</li> <li>Network Engineering</li> <li>Network Infrastructure<br/>Management</li> <li>Networking and Internet<br/>Engineering</li> <li>Software Engineering</li> <li>Software Systems</li> <li>Spatial Information<br/>Technology</li> <li>System and Network<br/>Security</li> <li>System Software</li> <li>Web Technologies</li> </ul> |
|---|--|---|--|
| Associate<br>Professor<br>(Level –<br>13A1, Entry<br>Pay<br>131400/-) | a.Ph. D. degree in relevant<br>field and B. E. / B. Tech. / B.<br>S. and M.E. / M. Tech. / M.<br>S. or Integrated M. Tech. in<br>relevant branch with First<br>Class or equivalent in any<br>one of the degrees. | <ul> <li>3-D Animation &amp;<br/>Graphics</li> <li>Advanced Computer<br/>Application</li> <li>Computer and<br/>Communication<br/>Engineering</li> <li>Computer Engineering</li> </ul> | <ul> <li>Advanced Communication<br/>and Information Systems</li> <li>Artificial Intelligence</li> <li>Biometrics &amp; Cyber<br/>Security</li> <li>Communication and<br/>Networking</li> <li>Computer and</li> </ul>   |

| OR<br>Ph. D. degree in relevant field<br>and B. E./ B. Tech. and MCA<br>with First Class or equivalent<br>OR<br>Ph. D. degree in relevant field<br>and Graduation of three<br>years' duration with<br>Mathematics as a compulsory<br>subject and MCA with First<br>Class or equivalent with 2<br>years of relevant experience<br>after acquiring degree of<br>MCA<br>AND<br>b. At least total 6 research<br>publications in SCI journals /<br>UGC / AICTE approved list<br>of journals<br>AND<br>c. Minimum of 8 years of<br>experience in teaching /<br>research / industry out of<br>which at least 2 years shall be<br>Post Ph.D. experience | Computer Engineering &<br>Application<br>Computer Networking<br>Computer Science &<br>Engineering<br>Computer Science and<br>Information Technology<br>Computer Science and<br>Systems Engineering<br>Computer Technology<br>Computing in<br>Computing in<br>Multimedia<br>Computing in Software<br>Electrical and Computer<br>Engineering<br>Electronics & Computer<br>Science<br>Electronics and<br>Computing<br>Software Engineering<br>Information and<br>Communication<br>Technology<br>Information Science and<br>Engineering<br>Information Science and<br>Engineering<br>Information Technology<br>Information Technology<br>Information Technology<br>and Engineering | Communication<br>Computer and<br>Computer and Information<br>Science<br>Computer Applications<br>Computer Cognition and<br>Technology<br>Computer Engineering<br>Computer Engineering &<br>Application<br>Computer Engineering and<br>Networking<br>Computer Hardware &<br>Networking<br>Computer Network<br>Engineering<br>Computer Networking<br>Computer Networking<br>Computer Networking<br>Computer Networks and<br>Information Security<br>Computer Networks and<br>Information Security<br>Computer Science<br>& Engineering<br>Computer Science &<br>Engineering<br>Computer Science &<br>Engineering (Networks)<br>Computer Science &<br>Engineering (Networks)<br>Computer Science and<br>Engineering (Cyber<br>Security)<br>Computer Science and<br>Engineering (Cyber<br>Security)<br>Computer Science and<br>Information Security<br>Computer Science and<br>Engineering (Cyber<br>Security)<br>Computer Science and<br>Information System<br>Computer Science and<br>Information Security<br>Computer Science and<br>Information Security<br>Cyber Forensics<br>Cyber Forensics and<br>Information Security<br>Cyber Security<br>Data Sciences<br>E-learning Technology<br>Information and<br>Communication Technology<br>Information Security<br>I.T. (Courseware<br>Engineering)<br>Image Processing<br>Information Security<br>Data Sciences<br>E-security<br>I.T. (Courseware<br>Engineering)<br>Image Processing<br>Information Security<br>Information Security<br>Information Security<br>Information Security<br>Information Security<br>Information Security<br>Information Security<br>Information Security<br>Information Security |
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|              |   |  | <ul><li>Management</li><li>Information Systems</li></ul>                |
|              |   |  | <ul> <li>Information Systems</li> <li>Information Technology</li> </ul> |
|              |   |  | <ul> <li>Information Technology and</li> </ul>                          |
|              |   |  | Engineering   |
|              |   |  | Information Technology  |
|              |   |  | (Artificial Intelligence and  |
|              |   |  | Robotics)   |
|              |   |  | Information Technology  |
|              |   |  | (Information and Cyber  |
|              |   |  | Warfare)  |
|              |   |  | Master of Science in  |
|              |   |  | Software engineering  |
|              |   |  | Multimedia and Software   |
|              |   |  | Engineering   |
|              |   |  | Multimedia Technology   |
|              |   |  | Network Engineering   |
|              |   |  | Network Infrastructure  |
|              |   |  | <ul><li>Management</li><li>Network Security and</li></ul>               |
|              |   |  | • Network Security and<br>Management                                    |
|              |   |  | <ul> <li>Networking</li> </ul>  |
|              |   |  | <ul> <li>Networking and Internet</li> </ul>                             |
|              |   |  | Engineering   |
|              |   |  | Neural Networks   |
|              |   |  | Pervasive Computing   |
|              |   |  | Technology  |
|              |   |  | Scientific Computing  |
|              |   |  | Software Engineering  |
|              |   |  | Software Systems  |
|              |   |  | Spatial Information     Technology                                      |
|              |   |  | <ul> <li>System and Network</li> </ul>                                  |
|              |   |  | Security  |
|              |   |  | System Software   |
|              |   |  | Web Technologies  |
| Professor    | a. Ph. D. degree in relevant                      | • 3-D animation &  | Advanced Communication  |
| (Level – 14, | field and B. E. / B. Tech. /                      | Graphics   | and Information Systems   |
| Entry Pay    | B. S. and M.E. / M. Tech. /                       | Advanced Computer  | Artificial Intelligence   |
| 144200/-)    | M. S. or Integrated M.                            | Application  | • Biometrics & Cyber  |
| 1.1200/ )    | Tech. in relevant branch                          | • Computer and   | Security  |
|              | with First Class or                               | Communication  | Communication and     Networking  |
|              | equivalent in any one of                          | <ul><li>Engineering</li><li>Computer Engineering</li></ul>       | <ul><li>Networking</li><li>Computer and</li></ul>                       |
|              | the degrees.                                      | <ul> <li>Computer Engineering &amp;</li> </ul>                   | Communication   |
|              | the degrees.                                      | Application  | Computer and  |
|              | OR  | Computer Networking  | Communication Engineering   |
|              |   | Computer Science &   | Computer and Information  |
|              | Ph. D. degree in relevant                         | Engineering  | Science   |
|              | field and B. E./ B. Tech.                         | Computer Science   | Computer Applications   |
|              | and MCA with First Class                          | Computer Science &   | Computer Cognition and     Technology                                   |
|              | or equivalent in any one of                       | Technology   | <ul><li>Technology</li><li>Computer Engineering</li></ul>               |
|              | the two degrees.                                  | • Computer Science and   | <ul> <li>Computer Engineering &amp;</li> </ul>                          |
|              | the two degrees.                                  | Information Technology   | • Computer Engineering & Application                                    |
|              | OR  | Computer Science and<br>Systems Engineering                      | <ul> <li>Computer Engineering and</li> </ul>                            |
|              |   | <ul> <li>Computer Technology</li> </ul>                          | Networking  |
|              | Ph. D. degree in relevant                         | <ul> <li>Computer reenhology</li> <li>Computing in</li> </ul>    | Computer Hardware &   |
|              | field and Graduation of                           | Computing  | Networking  |
|              |   | Computing in   | Computer Network  |
|              | three years' duration with<br>Mathematics as a    | Multimedia   | Engineering   |
|              |   | Computing in Software  | Computer Networking   |
|              | compulsory subject and<br>MCA with First Class or | P  | Computer Networking and   |
|              |   | <ul><li>Engineering</li><li>Electronics &amp; Computer</li></ul> | Engineering   |
|              | equivalent with 2 years of                        | - Electronics & Computer   | Computer Networks and   |

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| relevant experience after    | <ul><li>Science</li><li>Electronics and</li></ul>                       | <ul><li>Information Security</li><li>Computer Networks</li></ul>        |
| acquiring degree of MCA.     | Computer Engineering  | <ul> <li>Computer Networks and</li> </ul>                               |
|                              | <ul> <li>Mathematics and</li> </ul>                                     | Internet Security   |
| AND                          | Computing   | Computer Science  |
|                              | <ul> <li>Software Engineering</li> </ul>                                | & Engineering   |
| b. At least 6 research       | Information and   | Computer Science  |
| publications at the level of | Communication   | Computer Science &  |
| Associate Professor in SCI   | Technology  | Engineering (Networks)  |
| journals / UGC / AICTE       | Information Engineering   | Computer Science &  |
| approved list of journals    | • Information Science and   | Technology  |
| and at least 2 successful    | Engineering   | Computer Science and  |
| Ph.D. guided as Supervisor   | • Information Science and   | Engineering (Cyber  |
| / Co-Supervisor till the     | <ul><li>Technology</li><li>Information Technology</li></ul>             | Security)   |
| date of eligibility of       | <ul><li>Information Technology</li><li>Information Technology</li></ul> | Computer Science and     Information Security                           |
| promotion.                   | and Engineering   | <ul><li>Information Security</li><li>Computer Science and</li></ul>     |
| promotion.                   | and Engineering   | Information System  |
| OR                           |   | <ul> <li>Computer Science and</li> </ul>                                |
| UK                           |   | Information Technology  |
| At loost 10 massages         |   | <ul> <li>Computer Science and</li> </ul>                                |
| At least 10 research         |   | Systems Engineering   |
| publications at the level of |   | Computer Systems and  |
| Associate Professor in SCI   |   | Technology  |
| journals / UGC / AICTE       |   | Computer Technology   |
| approved list of journals    |   | Computer Technology and     Applications                                |
|                              |   | <ul><li>Applications</li><li>Computer Vision and Image</li></ul>        |
| AND                          |   | Processing  |
|                              |   | <ul> <li>Computing in computing</li> </ul>                              |
| c. Minimum of 10 years of    |   | <ul> <li>Cyber Forensics</li> </ul>                                     |
| experience in                |   | • Cyber Forensics and   |
| teaching/research/industry   |   | Information Security  |
| out of which at least 3      |   | Cyber Security  |
| years shall be at a post     |   | Data Sciences   |
| equivalent to that of        |   | • E-learning Technologies   |
| Associate Professor          |   | • E-security  |
|                              |   | • I.T. (Courseware  |
|                              |   | <ul><li>Engineering)</li><li>Image Processing</li></ul>                 |
|                              |   | <ul> <li>Information and</li> </ul>                                     |
|                              |   | Communication Technology  |
|                              |   | Information Engineering   |
|                              |   | Information Science and   |
|                              |   | Technology  |
|                              |   | Information Security  |
|                              |   | Information Security     Managament                                     |
|                              |   | <ul><li>Management</li><li>Information Systems</li></ul>                |
|                              |   | <ul> <li>Information Systems</li> <li>Information Technology</li> </ul> |
|                              |   | <ul> <li>Information Technology and</li> </ul>                          |
|                              |   | Engineering   |
|                              |   | Information Technology  |
|                              |   | (Artificial Intelligence and  |
|                              |   | Robotics)   |
|                              |   | Information Technology  |
|                              |   | (Information and Cyber  |
|                              |   | Warfare)  |
|                              |   | Master of Science in  |
|                              |   | <ul><li>Software engineering</li><li>Multimedia and Software</li></ul>  |
|                              |   | <ul> <li>Multimedia and Software<br/>Engineering</li> </ul>             |
|                              |   | <ul> <li>Multimedia Technology</li> </ul>                               |
|                              |   | <ul> <li>Network Engineering</li> </ul>                                 |
|                              |   | <ul> <li>Network Infrastructure</li> </ul>                              |
|                              |   | Management  |
|                              |   | Network Security and  |
|                              |   | · · · · · ·   |

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|   |  | Management                             |
|   |  | <ul> <li>Networking</li> </ul>         |
|   |  | Networking and Internet                |
|   |  | Engineering                            |
|   |  | <ul> <li>Neural Networks</li> </ul>    |
|   |  | Pervasive Computing                    |
|   |  | Technology                             |
|   |  | Scientific Computing                   |
|   |  | Software Engineering                   |
|   |  | Software Systems                       |
|   |  | Spatial Information                    |
|   |  | Technology                             |
|   |  | <ul> <li>System and Network</li> </ul> |
|   |  | Security                               |
|   |  | System Software                        |
|   |  | Web Technologies                       |

## **General Conditions**

a) B.E. / B.Tech. / B.Sc. (Engineering)/B.S. (4 years) shall be considered equivalent

- b) Candidates with AMIE/IETE qualifications in relevant branches will be treated as equivalent to B.E./ B.Tech. / B.Sc. (Engineering)/B.S. (4 years).
- c) M.E./M. Tech / M.Sc (Engineering)/M.S. shall be considered equivalent

d) In institutions /universities where a division/class is not awarded, the candidate shall have to submit the relevant conversion formulae for proof of first division from their respective universities/institutes. If a division/class is not awarded, a minimum of 60% marks in aggregate shall be considered equivalent to first class/division. If a Grade Point System is adopted the CGPA will be converted into equivalent marks as per the Table given below:

| Grade point | Equivalent Percentage |
|-------------|-----------------------|
| 6.25        | 55                    |
| 6.75        | 60                    |
| 7.25        | 65                    |
| 7.75        | 70                    |
| 8.25        | 75                    |

e) The candidates who have done their Ph.D directly after B.Tech (without doing M.Tech or equivalent) shall be eligible for faculty positions, provided the degree of Ph. D awarded is in a relevant discipline by a recognized University following the process of registration, course work and evaluation etc. as prescribed by UGC or has been awarded by the Institutes of national importance (i.e. IITs/IISc/ NITs etc.), duly recognized by the MoE. Further, the candidate should have obtained at least first class at Bachelor's level in Engineering /Technology.

f) The screening of applications shall be done based on the candidate's API calculated as per prescribed guidelines

g) For the post of Assistant Professor, there will be a written test in the MCA discipline. The screening of applicants for the post of Assistant Professor shall be done on the basis of their combined API and the score in the written test.

h) Reservation for SC/ST/OBC/PH/EWS shall as per the UP-state government rules.

i) In case of exceptional merit, the Selection Committee may recommend a maximum of 03 additional increments for higher qualifications, experience and achievements by the candidates

**j**) Persons already in employment should apply through proper channel.