

## HARCOURT BUTLER TECHNICAL UNIVERSITY

### Recruitment Rules (Direct Recruitment) for the post of Workshop Superintendent and Assistant Workshop Superintendent

Name of the Post	Relevant Discipline (UG)	Relevant Discipline (PG)
<p><b>Workshop Superintendent</b> (PB Rs. 15600-39100 GP Rs. 6600/- Level 11)</p> <p>B. E. / B. Tech. / B. S. and M. E. / M. Tech. / M. S. or Integrated M. Tech. in relevant branch with first class or equivalent in any one of the degrees.</p> <p><b>And</b></p> <p>5 yrs relevant experience (For candidates with B.Tech plus M.Tech plus Ph.D. qualifications, 4 yrs experience is required)</p> <p><b>Desirable</b></p> <ol style="list-style-type: none"> <li>1. Ph.D. Degree in Mechanical Engineering with relevant experience</li> <li>2. Teaching, Research and/or Industry experience in the field of manufacturing</li> <li>3. Competence in use of sophisticated equipment (such as CNC machines, CMM, and Vision system Machines), NonConventional Machines (such as EDM, ECM, and Water Jet Cutting), and Conventional machines in the machining shop, various welding and cutting equipment</li> <li>4. Knowledge of various mechanical manufacturing related software, e.g., Pro-E, Solid Works, DEFORM, and Hyperform</li> <li>5. Ability to give guide practical training of students, and conversant with maintenance of equipment and machines</li> <li>6. Knowledge of planning and developing laboratories related to manufacturing</li> <li>7. Knowledge of purchase, storage and issue of</li> </ol>	<ul style="list-style-type: none"> <li>• Mechanical Engineering</li> <li>• Electrical and Mechanical Engineering</li> <li>• Mechanical Engg. (Industry Integrated)</li> <li>• Mechanical Engg (Sandwich Pattern)</li> <li>• Mechanical Engineering (Repair and Maintenance)</li> <li>• Power Engineering</li> <li>• Industrial and Production Engineering</li> <li>• Machine Engineering</li> <li>• Manufacturing Engineering</li> <li>• Manufacturing Engineering &amp; Automation</li> <li>• Manufacturing Engineering and Technology</li> <li>• Manufacturing Process &amp; Automation Engineering</li> <li>• Manufacturing Science and Engineering</li> <li>• Manufacturing Technology</li> <li>• Mechanical Engineering (Production)</li> <li>• Precision Manufacturing</li> <li>• Production and Industrial Engineering</li> <li>• Production Engineering</li> <li>• Production Engineering (Sandwich)</li> <li>• Tool Engineering</li> <li>• Automobile Engineering</li> <li>• Automobile Maintenance Engineering</li> <li>• Automotive Technology</li> <li>• Mechanical Engineering(Auto)</li> <li>• Mechanical</li> </ul>	<ul style="list-style-type: none"> <li>• Advanced Computer aided Design</li> <li>• Advanced Design and Manufacturing</li> <li>• Advanced Manufacturing and Mechanical Systems Design</li> <li>• Advanced Manufacturing Systems</li> <li>• Advanced Manufacturing Technology</li> <li>• Advanced Materials Technology</li> <li>• Advanced Production Systems</li> <li>• Automated Manufacturing Systems</li> <li>• Automobile Engineering</li> <li>• Automobile Technology</li> <li>• Automotive Electronics</li> <li>• Automotive Engineering</li> <li>• Automotive Systems</li> <li>• Automotive Technology</li> <li>• CAD / CAM</li> <li>• CAD/CAM Engineering</li> <li>• CAD/CAM/CAE</li> <li>• Combat Vehicles (Mechanical Engineering)</li> <li>• Computational Analysis In Mechanical Science</li> <li>• Computational Mechanics</li> <li>• Computational Mechanics(Mechanical Engineering)</li> <li>• Computer Aided Analysis and Design</li> <li>• Computer Aided Design</li> <li>• Computer Aided Design and Manufacture</li> <li>• Computer Aided Design Manufacture and Automation</li> <li>• Computer Aided Design Manufacture and Engineering</li> <li>• Computer Aided Process Design</li> <li>• Computer Integrated Manufacturing</li> <li>• Cryogenic Engineering</li> <li>• Design and Production</li> <li>• Design and Thermal Engg.</li> <li>• Design Engineering</li> <li>• Design for Manufacturing</li> <li>• Design of Mechanical Equipment</li> <li>• Design of Mechanical Systems</li> <li>• Engineering Design</li> <li>• Fracture Mechanics</li> </ul>

<p>engineering materials, equipment and accessories</p> <p>8. Knowledge of Advance manufacturing process, 3D Printing, SLS Printing</p>	<p>Engineering Automobile</p> <p>. Industrial and Production Engineering</p> <ul style="list-style-type: none"> <li>• Industrial Engineering</li> <li>• Industrial Engineering and Management</li> <li>• Mechanical and Automation Engineering</li> <li>• Mechatronics Engineering</li> <li>• Mechatronics Engineering</li> </ul> <p>Mechatronics Engineering (sandwich)</p>	<ul style="list-style-type: none"> <li>• Food Supply Chain Management</li> <li>• Fuel and Combustion</li> <li>• Gas Turbine Technology</li> <li>• Heat and Power</li> <li>• Heat Power and Thermal Engineering</li> <li>• Heat Power Engineering</li> <li>• Heat Ventilation and Air Conditioning</li> <li>• Industrial and Production Engineering</li> <li>• Industrial Design</li> <li>• Industrial Engineering</li> <li>• Industrial Engineering and Management</li> <li>• Industrial Production and Management Engineering</li> <li>• Industrial Refrigeration and Cryogenics</li> <li>• Internal Combustion and Automobiles</li> <li>• Internal Combustion Engines and Turbo machinery</li> <li>• Internal Combustion Engineering</li> <li>• Lean Manufacturing Engineering</li> <li>• Machine Design</li> <li>• Machine Design and Robotics</li> <li>• Maintenance Engineering</li> <li>• Manufacturing and Automation</li> <li>• Manufacturing Engineering</li> <li>• Manufacturing Engineering and Automation</li> <li>• Manufacturing Engineering and Management</li> <li>• Manufacturing Engineering and Technology</li> <li>• Manufacturing Process</li> <li>• Manufacturing Process &amp; Automation Engineering</li> <li>• Manufacturing Science and Engineering</li> <li>• Manufacturing Systems and Management</li> <li>• Manufacturing Systems Engineering Manufacturing Technology</li> <li>• Manufacturing Technology&amp; Automation</li> <li>• Material Engineering</li> <li>• Material Science and Technology</li> <li>• Mechanical(Computer Aided Design, Manufacture&amp; Engineering)</li> <li>• Mechanical(Computer Integrated Manufacturing)</li> <li>• Mechanical and Automation Engineering</li> <li>• Mechanical Engg. (Manufacturing Technology)</li> <li>• Mechanical Engineering</li> </ul>
---	--	---

		<ul style="list-style-type: none"> <li>• Mechanical Engineering (CAD/CAM)</li> <li>• Mechanical Engineering (Energy System and Management)</li> <li>• Mechanical Engineering (Industry Integrated)</li> <li>• Mechanical Engineering (Thermal Engg.)</li> <li>• Mechanical Engineering Automobile</li> <li>• Mechanical Engineering Design</li> <li>• Mechanical Engineering Specialization in CAD</li> <li>• Mechanical Engineering (Production)</li> <li>• Mechanical Engineering- Product Design and Development</li> <li>• Mechanical- Product Life Cycle Management</li> <li>• Mechanical System Design</li> <li>• Mechanical Welding and Sheet Metal Engineering</li> <li>• Mechanical-Manufacturing Engineering</li> <li>• Mechatronics</li> <li>• Power and Energy Engineering</li> <li>• Power Engineering</li> <li>• Power Engineering and Energy Systems</li> <li>• Power Plant Engineering &amp; Energy Management</li> <li>• Product Design</li> <li>• Product Design and Commerce</li> <li>• Product Design and Development</li> <li>• Product Design and Manufacturing</li> <li>• Production and Industrial Engineering</li> <li>• Production Engineering</li> <li>• Production Engineering and Engineering Design</li> <li>• Production Engineering System Technology</li> <li>• Production Management</li> <li>• Production Technology</li> <li>• Production Technology and Management</li> <li>• Project Management</li> <li>• Propulsion Engineering</li> <li>• Quality Engineering and Management</li> <li>• Refrigeration &amp; Air Conditioning</li> <li>• Reliability Engineering</li> <li>• Robotics and Mechatronics</li> <li>• Rocket Propulsion</li> <li>• Solar Power Systems</li> <li>• Thermal and Fluid Engineering</li> <li>• Thermal Engineering</li> <li>• Thermal Power Engineering</li> <li>• Thermal Science</li> </ul>
--	--	--

		<ul style="list-style-type: none"> <li>• Thermal Science Engineering</li> <li>• Thermal Sciences &amp; Energy Systems</li> <li>• Thermal Systems and Design</li> <li>• Tool design</li> <li>• Tool Engineering</li> <li>• Tribology and Maintenance</li> <li>• Turbo Machinery</li> <li>• Virtual Prototyping &amp; Digital Manufacturing <ul style="list-style-type: none"> <li>• Applied Mechanics</li> <li>• Metallurgical Engineering</li> <li>• Metallurgy</li> <li>• Industrial Metallurgy</li> <li>• Hydropower Energy</li> <li>• Hydropower Engineering</li> <li>• Hydropower</li> <li>• Robotics and Automation</li> <li>• Stress &amp; Vibration Analysis</li> <li>• Fluidics</li> <li>• Energy</li> <li>• Production Process and Machine Equipment</li> <li>• Engineering Systems</li> <li>• Energy &amp; Environment</li> <li>• Process Metallurgy</li> <li>• Metallurgical and Material Engineering</li> <li>• Material Science &amp; Engineering</li> <li>• Foundry</li> <li>• Foundry Technology</li> </ul> </li> <li>• Steel Technology</li> </ul>
<p><b>Assistant Workshop Superintendent</b> (PB 15600-39100, GP 5400/-, Level 10)</p> <p>B. E. / B. Tech. / B. S. and M. E. / M. Tech. / M. S. or Integrated M. Tech. in relevant branch with first class or equivalent in any one of the degrees.</p> <p><b>And</b></p> <p>2 yrs relevant experience (For candidates with B.Tech plus M.Tech plus Ph.D. qualifications, 1 yrs experience is required)</p> <p><b>Desirable</b></p> <ol style="list-style-type: none"> <li>1. Teaching, Research and/or Industry experience in the field of manufacturing</li> <li>2. Competence in use of sophisticated equipment (such as CNC machines, CMM, and Vision system Machines), Non</li> </ol>	<ul style="list-style-type: none"> <li>• Mechanical Engineering</li> <li>• Electrical and Mechanical Engineering</li> <li>• Mechanical Engg. (Industry Integrated)</li> <li>• Mechanical Engg (Sandwich Pattern)</li> <li>• Mechanical Engineering (Repair and Maintenance)</li> <li>• Power Engineering</li> <li>• Industrial and Production Engineering</li> <li>• Machine Engineering</li> <li>• Manufacturing Engineering</li> <li>• Manufacturing Engineering &amp; Automation</li> <li>• Manufacturing Engineering and Technology</li> <li>• Manufacturing Process &amp; Automation Engineering</li> <li>• Manufacturing Science and Engineering</li> </ul>	<ul style="list-style-type: none"> <li>• Advanced Computer aided Design</li> <li>• Advanced Design and Manufacturing</li> <li>• Advanced Manufacturing and Mechanical Systems Design</li> <li>• Advanced Manufacturing Systems</li> <li>• Advanced Manufacturing Technology</li> <li>• Advanced Materials Technology</li> <li>• Advanced Production Systems</li> <li>• Automated Manufacturing Systems</li> <li>• Automobile Engineering</li> <li>• Automobile Technology</li> <li>• Automotive Electronics</li> <li>• Automotive Engineering</li> <li>• Automotive Systems</li> <li>• Automotive Technology</li> <li>• CAD / CAM</li> <li>• CAD/CAM Engineering</li> <li>• CAD/CAM/CAE</li> <li>• Combat Vehicles (Mechanical Engineering)</li> <li>• Computational Analysis In Mechanical Science</li> <li>• Computational Mechanics</li> </ul>

<p>Conventional Machines (such as EDM, ECM, and Water Jet Cutting), and Conventional machines in the machining shop, various welding and cutting equipment</p> <p>3. Knowledge of various mechanical manufacturing related software, e.g., Pro-E, Solid Works, DEFORM, and Hyperform</p> <p>4. Ability to give guide practical training of students, and conversant with maintenance of equipment and machines</p> <p>5. Knowledge of planning and developing laboratories related to manufacturing</p> <p>6. Knowledge of purchase, storage and issue of engineering materials, equipment and accessories</p> <p>7. Knowledge of Advance manufacturing process, 3D Printing, SLS Printing</p>	<ul style="list-style-type: none"> <li>• Manufacturing Technology</li> <li>• Mechanical Engineering (Production)</li> <li>• Precision Manufacturing</li> <li>• Production and Industrial Engineering</li> <li>• Production Engineering</li> <li>• Production Engineering (Sandwich)</li> <li>• Tool Engineering</li> <li>• Automobile Engineering</li> <li>• Automobile Maintenance Engineering</li> <li>• Automotive Technology</li> <li>• Mechanical Engineering (Auto)</li> <li>• Mechanical Engineering Automobile</li> <li>• Industrial and Production Engineering</li> <li>• Industrial Engineering</li> <li>• Industrial Engineering and Management</li> <li>• Mechanical and Automation Engineering</li> <li>• Mechatronics</li> <li>• Mechatronics Engineering</li> <li>• Mechatronics Engineering (sandwich)</li> </ul>	<ul style="list-style-type: none"> <li>• Computational Mechanics(Mechanical Engineering)</li> <li>• Computer Aided Analysis and Design</li> <li>• Computer Aided Design</li> <li>• Computer Aided Design and Manufacture</li> <li>• Computer Aided Design Manufacture and Automation</li> <li>• Computer Aided Design Manufacture and Engineering</li> <li>• Computer Aided Process Design</li> <li>• Computer Integrated Manufacturing</li> <li>• Cryogenic Engineering</li> <li>• Design and Production</li> <li>• Design and Thermal Engg.</li> <li>• Design Engineering</li> <li>• Design for Manufacturing</li> <li>• Design of Mechanical Equipment</li> <li>• Design of Mechanical Systems</li> <li>• Engineering Design</li> <li>• Fracture Mechanics</li> <li>• Food Supply Chain Management</li> <li>• Fuel and Combustion</li> <li>• Gas Turbine Technology</li> <li>• Heat and Power</li> <li>• Heat Power and Thermal Engineering</li> <li>• Heat Power Engineering</li> <li>• Heat Ventilation and Air Conditioning</li> <li>• Industrial and Production Engineering</li> <li>• Industrial Design</li> <li>• Industrial Engineering</li> <li>• Industrial Engineering and Management</li> <li>• Industrial Production and Management Engineering</li> <li>• Industrial Refrigeration and Cryogenics</li> <li>• Internal Combustion and Automobiles</li> <li>• Internal Combustion Engines and Turbo machinery</li> <li>• Internal Combustion Engineering</li> <li>• Lean Manufacturing Engineering</li> <li>• Machine Design</li> <li>• Machine Design and Robotics</li> <li>• Maintenance Engineering</li> <li>• Manufacturing and Automation</li> <li>• Manufacturing Engineering</li> <li>• Manufacturing Engineering and Automation</li> <li>• Manufacturing Engineering and</li> </ul>
--	---	---

		<ul style="list-style-type: none"> <li>• Management</li> <li>• Manufacturing Engineering a and Technology</li> <li>• Manufacturing Process</li> <li>• Manufacturing Process &amp; Automation Engineering</li> <li>• Manufacturing Science and Engineering</li> <li>• Manufacturing Systems and Management</li> <li>• Manufacturing Systems Engineering Manufacturing Technology</li> <li>• Manufacturing Technology&amp; Automation</li> <li>• Material Engineering</li> <li>• Material Science and Technology</li> <li>• Mechanical(Computer Aided Design, Manufacture&amp; Engineering)</li> <li>• Mechanical(Computer Integrated Manufacturing)</li> <li>• Mechanical and Automation Engineering</li> <li>• Mechanical Engg. (Manufacturing Technology)</li> <li>• Mechanical Engineering</li> <li>• Mechanical Engineering (CAD/CAM)</li> <li>• Mechanical Engineering (Energy System and Management)</li> <li>• Mechanical Engineering (Industry Integrated)</li> <li>• Mechanical Engineering (Thermal Engg.)</li> <li>• Mechanical Engineering Automobile</li> <li>• Mechanical Engineering Design</li> <li>• Mechanical Engineering Specialization in CAD</li> <li>• Mechanical Engineering (Production)</li> <li>• Mechanical Engineering- Product Design and Development</li> <li>• Mechanical- Product Life Cycle Management</li> <li>• Mechanical System Design</li> <li>• Mechanical Welding and Sheet Metal Engineering</li> <li>• Mechanical-Manufacturing Engineering</li> <li>• Mechatronics</li> <li>• Power and Energy Engineering</li> <li>• Power Engineering</li> <li>• Power Engineering and Energy Systems</li> <li>• Power Plant Engineering &amp; Energy Management</li> <li>• Product Design</li> <li>• Product Design and Commerce</li> <li>• Product Design and Development</li> </ul>
--	--	---

		<ul style="list-style-type: none"> <li>• Product Design and Manufacturing</li> <li>• Production and Industrial Engineering</li> <li>• Production Engineering</li> <li>• Production Engineering and Engineering Design</li> <li>• Production Engineering System Technology</li> <li>• Production Management</li> <li>• Production Technology</li> <li>• Production Technology and Management</li> <li>• Project Management</li> <li>• Propulsion Engineering</li> <li>• Quality Engineering and Management</li> <li>• Refrigeration &amp; Air Conditioning</li> <li>• Reliability Engineering</li> <li>• Robotics and Mechatronics</li> <li>• Rocket Propulsion</li> <li>• Solar Power Systems</li> <li>• Thermal and Fluid Engineering</li> <li>• Thermal Engineering</li> <li>• Thermal Power Engineering</li> <li>• Thermal Science</li> <li>• Thermal Science Engineering</li> <li>• Thermal Sciences &amp; Energy Systems</li> <li>• Thermal Systems and Design</li> <li>• Tool design</li> <li>• Tool Engineering</li> <li>• Tribology and Maintenance</li> <li>• Turbo Machinery</li> <li>• Virtual Prototyping &amp; Digital Manufacturing <ul style="list-style-type: none"> <li>• Applied Mechanics</li> <li>• Metallurgical Engineering</li> <li>• Metallurgy</li> <li>• Industrial Metallurgy</li> <li>• Hydropower Energy</li> <li>• Hydropower Engineering</li> <li>• Hydropower</li> <li>• Robotics and Automation</li> <li>• Stress &amp; Vibration Analysis</li> <li>• Fluidics</li> <li>• Energy</li> <li>• Production Process and Machine Equipment</li> <li>• Engineering Systems</li> <li>• Energy &amp; Environment</li> <li>• Process Metallurgy</li> <li>• Metallurgical and Material Engineering</li> <li>• Material Science &amp; Engineering</li> <li>• Foundry</li> <li>• Foundry Technology</li> <li>• Steel Technology</li> </ul> </li> </ul>
--	--	--

## General Conditions

- a) B.Sc (Engineering)/B.E. / B.Tech/B.S. (4 years) shall be considered as equivalent
- b) M.Sc (Engineering)/M.E. / M.Tech/M.S. shall be considered as equivalent
- c) Candidates with AMIE/IETE qualifications in relevant branches, as mentioned in these Recruitment Rules will also be eligible.
- d) In institutions /universities where division/class is not awarded, the candidate shall have to submit the relevant conversion formulae for a proof of first division from their respective universities/institutes. If a division/class is not awarded, 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 screening of applicants for the post of Workshop Superintendent/Assistant Workshop Superintendent shall be done on the basis of the API/criteria prescribed by the University.
- f) For the post of AWS and WS, there will be a written test in the field of “Workshop Technology/Workshop Practices”.
- g) The shortlisting of the applications for the interview will be made as per the API based criteria prescribed by the university and the score in the written test. However, the final selection will be made purely on the performance in the interview.
- h) In case of exceptional merit, the Selection Committee may recommend a maximum of three increments for higher qualifications, experience and achievements by the candidates
- i) Persons already in employment should apply through proper channel.
- j) The University reserves the right not to fill up the post