<table>
<thead>
<tr>
<th>MSc-EE PROGRAM OUTCOMES</th>
<th>NATIONAL QUALIFICATIONS OF RELATED FIELDS</th>
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<tr>
<td><strong>ALL PROGRAMS</strong></td>
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<tr>
<td>1 Develop the ability to use critical, analytical, and reflective thinking and reasoning</td>
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<td>2 Reflect on social and ethical responsibilities in his/her professional life.</td>
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<td>3 Gain experience and confidence in the dissemination of project/research outputs</td>
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<td>4 Work responsibly and creatively individually or as a member or a leader of a team and in multidisciplinary environments.</td>
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<td>5 Communicate effectively by oral, written, graphical and technological means and have competency in English.</td>
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<td>6 Independently reach and acquire information, and appreciation of the need of continuously learning and updating</td>
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<tr>
<td><strong>PROGRAM ENGINEERING</strong></td>
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<td>7 Design and model engineering systems and processes and solve engineering problems with an innovative approach.</td>
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<td>8 Establish experimental setups, conduct experiments and/or simulations</td>
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<td>9 Analytically acquire and interpret data.</td>
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<tr>
<td><strong>PROGRAM SPECIFIC</strong></td>
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<td>10 Use advanced Math (including probability and/or statistics), advanced sciences, advanced computer and programming, and advanced Electronics engineering knowledge to design and analyze complex electronics circuits, instruments, software and electronic systems with hardware/software.</td>
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<td>11 Analyze and design advanced communication networks and systems, advanced signal processing algorithms or software using advanced knowledge on diff. equations, linear algebra, complex variables and discrete math</td>
<td>X</td>
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