

**Graduation Requirement Checklist: B.Tech. 2020 (CSAI) Batch**

Name of the student \_\_\_\_\_

Roll. No. 2020 \_\_\_\_\_

(As mentioned in Class XII Mark Sheet)

Total Credit Earned (including CW and SG credits) Minimum requirement is 156 academic credits.	Total Credits _____
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Sl.No.	Self-Declaration for Graduation Check		Please tick (v)	Mention details if, <ul style="list-style-type: none"> <li>Replacing any core course</li> <li>Repeated any core course due to "F" grade</li> <li>Improvement done in any core course</li> </ul>
1.	<ul style="list-style-type: none"> <li>Successfully completed all the core courses (<b>Please tick v the appropriate boxes if you have completed</b>)</li> <li>Courses mentioned in [ ] are core electives and actual courses for these slots are as defined from semester to semester.</li> <li>Earn 8 credits of additional CS core courses (from the courses marked as * in the above table other than Ethics in AI course, which is a SSH course) and 4 credits of Maths Elective Courses (from the courses marked as # in the below table). Refer Appendix I for list of courses in B.Tech. CSAI regulation.</li> </ul>			
(i)	Semester 1	CSE101: Introduction to programming (IP)		
		ECE111: Digital Circuits (DC)		
		MTH100: Math I (Linear Algebra)		
		DES102: Introduction to HCI (IHCI)		
		COM101: Communication Skills (COM)		
(ii)	Semester 2	CSE102: Data Structures and Algorithms (DSA)		
		CSE140: Introduction of Intelligent System (IIS)		
		MTH201: Math II Probability and Statistics (P&S)		
		*[CSE112: Computer Organization (CO) / CSE202: Fundamentals of Database Management Systems (DBMS)]		
(iii)	Semester 3	CSE201: Advanced programming (AP)		
		CSE231: Operating Systems (OS)		
		CSE121: Discrete Mathematics (DM)		
		MTH203: Maths III (MTH III)		
		ECE250: Signals & Systems		
(iv)	Semester 4	*[CSE202: Fundamentals of Database Management Systems (DBMS) / CSE112: Computer Organization (CO) / SSH325: Ethics in AI (EAI)]		
		#[MTH204: Math 4 (MIV) / MTH310: Graph Theory (GT) / MTH372: Statistical Inferences (SI) / MTH300: Introduction to Mathematical Logic (IML) / CSE322: Theory of Computation (TOC)]		
		CSE222: Algorithm Design and Analysis (ADA)		
		CSE342: Statistical Machine Learning (SML)		
		[MTH374: Linear Optimization/MTH377: Convex Optimization]		
		CSE343: Machine Learning (ML)		
		*[CSE511: Computer Architecture (CA) / CSE232: Computer Networks (CN) / CSE301: Compilers (Comp.)]		
(v)	Semester 5 onwards			

		CSE643: Artificial Intelligence (AI)																	
		COM301A: Technical Communication (T.Com)																	
		ESC205A: Environmental Sciences (EVS) / ESC207A: Ecology Evolution and Environment (EEE)																	
		ESC205A: Ethics in Artificial Intelligence																	
		AI Core Course 1: _____																	
		AI Core Course 2: _____																	
		AI Application Elective 1: _____																	
		AI Application Elective 2: _____																	
		AI Application Elective 3: _____																	
		AI Application Elective 4: _____																	
3.	Done at least 12 credits of Social Sciences & Humanities Courses (SSH) Mention the details																		
		<table border="1"> <thead> <tr> <th>Course Code</th> <th>Course Name</th> <th>Completed Semester</th> </tr> </thead> <tbody> <tr> <td>Course 1:</td> <td></td> <td></td> </tr> <tr> <td>Course 2:</td> <td></td> <td></td> </tr> <tr> <td>Course 3:</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Course Code	Course Name	Completed Semester	Course 1:			Course 2:			Course 3:							
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4.	Done 2 credits each of Community Work and Self Growth (Total 4). Mention the details below;																		
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6.	At most 8 credits of IP/IS/UR combined may be counted towards Graduation. Incomplete BTP <b>CANNOT</b> be counted as IP. Mention the details of IP/IS/UR (if done any)																		
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7.	At most 8 credits of Online Courses (including TA credits) may be counted towards graduation (Optional). Mention the Course details (if done any)																		
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8.	Have done maximum two 2xx level courses in last 4 semester (excluding SSH courses of 2xx level). Mention the details:																		
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10.	<p>BTP (At most 12 credits of BTP spread over minimum 2 semesters is allowed. (If the BTP is not completed, the credits will not be counted in total credits)</p> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="border: 1px solid orange; width: 50px; height: 20px; display: inline-block;"></div> <div>No. of Credits done</div> <div style="border: 1px solid orange; width: 50px; height: 20px; display: inline-block;"></div> <div>Completed</div> <div style="border: 1px solid orange; width: 50px; height: 20px; display: inline-block;"></div> <div>Incomplete BTP</div> </div> <p>Mention the details (if done any)</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 30%;">Course Code</th> <th style="width: 70%;">Semester</th> </tr> </thead> <tbody> <tr><td>1.</td><td></td></tr> <tr><td>2.</td><td></td></tr> <tr><td>3.</td><td></td></tr> </tbody> </table>	Course Code	Semester	1.		2.		3.																																			
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11.	<p>Have you taken any courses for improvement, if yes pls fill the below table:</p> <div style="display: flex; justify-content: space-around; margin: 10px 0;"> <div style="border: 1px solid blue; width: 50px; height: 20px; display: inline-block;"></div> Yes             <div style="border: 1px solid blue; width: 50px; height: 20px; display: inline-block;"></div> No           </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"></th> <th style="width: 20%;">Course which was improved in later semesters (Col A)</th> <th style="width: 20%;">Semester in which the course was done first time</th> <th style="width: 10%;">Grade</th> <th style="width: 20%;">Course done for improving the course mentioned in Col A</th> <th style="width: 20%;">Semester in which the improvement course was done</th> <th style="width: 10%;">New Grade</th> </tr> </thead> <tbody> <tr><td>Course 1</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Course 2</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Course 3</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Course 4</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Course 5</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>		Course which was improved in later semesters (Col A)	Semester in which the course was done first time	Grade	Course done for improving the course mentioned in Col A	Semester in which the improvement course was done	New Grade	Course 1							Course 2							Course 3							Course 4							Course 5						
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12.	<p>Whether eligible for degree with HONORS? (CGPA-8, 12 Additional Discipline Credits from Inclass courses, must have done at least 8 credits of BTP)</p> <p>a) Mention the extra 12 credit course details:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th style="width: 30%;">Course Code</th> <th style="width: 40%;">Course Name</th> <th style="width: 30%;">Semester</th> </tr> </thead> <tbody> <tr><td>1.</td><td></td><td></td></tr> <tr><td>2.</td><td></td><td></td></tr> <tr><td>3.</td><td></td><td></td></tr> </tbody> </table> <p>b) Done BTP Credits : _____</p> <p>c) CGPA above 8.00 : _____</p>	Course Code	Course Name	Semester	1.			2.			3.																																
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13.	<p>Whether eligible for degree with Minor in Economics? (If yes, list down the courses)</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th style="width: 30%;">Course Code</th> <th style="width: 40%;">Course Name</th> <th style="width: 30%;">Semester</th> </tr> </thead> <tbody> <tr><td>Course 1:</td><td></td><td></td></tr> <tr><td>Course 2:</td><td></td><td></td></tr> <tr><td>Course 3:</td><td></td><td></td></tr> <tr><td>Course 4:</td><td></td><td></td></tr> <tr><td> </td><td></td><td></td></tr> </tbody> </table>	Course Code	Course Name	Semester	Course 1:			Course 2:			Course 3:			Course 4:																													
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15.	Whether eligible for degree with Minor in Entrepreneurship? (If yes, list down the courses)																													
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16.	Whether eligible for degree with Minor in Quantum Mechanics? (If yes, list down the courses)																													
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Date of Completion of Graduation Requirement: ☐ 21 June 2024 ☐ 21 Sept 2024 ☐ 21 January 2025

**Student's Signature (With Date)**

.....For Office Use only.....

<i>Is the student Graduating</i>	<input type="checkbox"/>	<i>Yes</i>	<input type="checkbox"/>	<i>No</i>
<i>Total Credits Completed</i>				
<i>Final CGPA</i>				
<i>Completed SG / CW Credits</i>	<input type="checkbox"/>	<i>Yes</i>	<input type="checkbox"/>	<i>No</i>
<i>Completed SSH Credits</i>	<input type="checkbox"/>	<i>Yes</i>	<input type="checkbox"/>	<i>No</i>
<i>Completed BTP Credits</i>	<input type="checkbox"/>	<i>Yes</i>	<input type="checkbox"/>	<i>No</i>
<i>Completed IP / IS / UR Credits</i>	<input type="checkbox"/>	<i>Yes</i>	<input type="checkbox"/>	<i>No</i>
<i>Completed Departmental 32 Credits</i>	<input type="checkbox"/>	<i>Yes</i>	<input type="checkbox"/>	<i>No</i>
<i>Graduating with Honors</i>	<input type="checkbox"/>	<i>Yes</i>	<input type="checkbox"/>	<i>No</i>
<i>Graduating with Minors</i>	<input type="checkbox"/>	<i>Yes</i>	<input type="checkbox"/>	<i>No</i>
<i>Mention the stream of Minors</i>				

JM (Academics)

AM (Academics)

Manager (Academics)

DOAA