

Graduation Requirement Checklist: B.Tech. 2020 (CSSS) 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 _____ |
|---|---------------------|

| Sl.No. | Self-Declaration for Graduation Check | | Please tick (v) | Mention details if, <ul style="list-style-type: none"> Replacing any core course Repeated any core course due to "F" grade Improvement done in any core course | | | | | | |
|----------------|--|--|-----------------|--|-------|----------|----------------|--|--|--|
| 1. | <ul style="list-style-type: none"> Successfully completed all the core courses (Please tick v the appropriate boxes if you have completed) Courses mentioned in [] are core electives, and actual courses for these slots are as defined from semester to semester. | | | | | | | | | |
| (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) | | | | | | | | |
| | | SOC101: Introduction to Sociology/Anthropology (ISA) | | | | | | | | |
| | | MTH201: Math II Probability and Statistics (P&S) | | | | | | | | |
| | | CSE112: Computer Organization (CO) | | | | | | | | |
| | | SSH101: Critical Thinking and Readings in Social Sciences (CTRSS) | | | | | | | | |
| (iii) | Semester 3 | CSE231: Operating Systems (OS) | | | | | | | | |
| | | SSH201: Research Methods in Social Science and Design (RMSSD) | | | | | | | | |
| | | CSE121: Discrete Mathematics (DM) | | | | | | | | |
| | | CSE201: Advanced programming (AP) | | | | | | | | |
| | | MTH203: Maths III (Advanced Calculus) | | | | | | | | |
| (iv) | Semester 4 | CSE222: Algorithm Design and Analysis (ADA) | | | | | | | | |
| | | MTH377: Convex Optimization (CO) | | | | | | | | |
| | | CSE202: Fundamentals of Database Management System (DBMS) | | | | | | | | |
| | | ECO221: Econometrics I | | | | | | | | |
| | | DES204: Human Computer Interaction (HCI)/ MTH310: Graph Theory | | | | | | | | |
| (v) | Semester 5 | COM301A: Technical Communication (T.Com) | | | | | | | | |
| | | ESC205A / ESC207A: Environmental Sciences (EVS) or Ecology Evolution and Environment (EEE) | | | | | | | | |
| 2. | Done 2 credits each of Community Work and Self Growth (Total 4). Mention the details below; <table border="1" style="width: 100%; margin-top: 10px;"> <thead> <tr> <th>SG/CW</th><th>Semester</th></tr> </thead> <tbody> <tr> <td>Community Work</td><td></td></tr> <tr> <td></td><td></td></tr> </tbody> </table> | | | | SG/CW | Semester | Community Work | | | |
| SG/CW | Semester | | | | | | | | | |
| Community Work | | | | | | | | | | |
| | | | | | | | | | | |

| | | | |
|--|-------------|--|--|
| | Self Growth | | |
| | | | |

3.

- A student must complete at least 16 credits of Computer Science electives **AND**
- For ECO Major complete at least 32 credits (16 credits from pre-determined from Core & Compulsory List + 16 credit from ECO electives) **OR**
- For SSH Stream complete at least 28 credits in last 4 semesters. No Core course offered in Semester 5 or later will be counted in 32 credits of the last 4 semesters.

Mention the Course details

CSE (16 credits)

| Course Code | Course Name | Semester |
|-------------|-------------|----------|
| 1. | | |
| 2. | | |
| 3. | | |
| 4. | | |

ECO Major (32 credits) including Convex Optimization and Econometrics I / SSH Stream (28 Credits)

| Course Code | Course Name | Semester |
|-------------|-------------|----------|
| 1. | | |
| 2. | | |
| 3. | | |
| 4. | | |
| 5. | | |
| 6. | | |
| 7. | | |
| 8. | | |

Note: For ECO Majors credits must include Convex Optimization and Econometrics I

4.

At most 8 credits of IP/IS/UR combined may be counted towards Graduation. Incomplete BTP **CANNOT** be counted as IP.
Mention the details of IP/IS/UR (if done any)

| Course Code | Semester |
|-------------|----------|
| 1. | |
| 2. | |
| 3. | |
| | |

5.

At most 8 credits of Online Courses (including TA credits) may be counted towards graduation (Optional).
Mention the Course details (if done any)

| Course Code | Semester |
|-------------|----------|
| 1. | |
| 2. | |
| 3. | |
| 4. | |
| 5. | |
| 6. | |

| 6. | Have done maximum two 2xx level courses in last 4 semester (excluding SSH courses of 2xx level). Mention the details: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|--|---|---|---|---|-----------|----------|--|-----------|--|--|--|--|----------|--|--|--|--|--|--|----------|--|--|--|--|--|--|----------|--|--|--|--|--|--|----------|--|--|--|--|--|--|
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 30%;">Course Code</th> <th style="width: 40%;">Course Name</th> <th style="width: 30%;">Semester</th> </tr> <tr> <td>1.</td> <td></td> <td></td> </tr> <tr> <td>2.</td> <td></td> <td></td> </tr> </table> | | Course Code | Course Name | Semester | 1. | | | 2. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 1. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7. | 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) <div style="display: flex; justify-content: space-between; align-items: center;"> <div> <input style="width: 50px; border: 1px solid orange;" type="text"/> No. of Credits done </div> <div> <input style="width: 50px; border: 1px solid orange;" type="text"/> Completed </div> <div> <input style="width: 50px; border: 1px solid orange;" type="text"/> Incomplete BTP </div> </div> <p>Mention the details (if done any)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 30%;">Course Code</th> <th style="width: 70%;">Semester</th> </tr> <tr><td>1.</td><td></td></tr> <tr><td>2.</td><td></td></tr> <tr><td>3.</td><td></td></tr> </table> | Course Code | Semester | 1. | | 2. | | 3. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 1. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8. | Have you taken any courses for improvement, if yes pls fill the below table: <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div> <input style="width: 50px; border: 1px solid blue;" type="text"/> Yes </div> <div> <input style="width: 50px; border: 1px solid blue;" type="text"/> No </div> </div> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <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 | | | | | | |
| | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9. | Whether eligible for degree with HONORS? (CGPA-8, 12 Additional Discipline Credits from Inclass courses, must have done at least 8 credits of BTP) a) Mention the extra 12 credit course details: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 30%;">Course Code</th> <th style="width: 40%;">Course Name</th> <th style="width: 30%;">Semester</th> </tr> <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> </table> | | Course Code | Course Name | Semester | 1. | | | 2. | | | 3. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 1. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b) Done BTP Credits : _____ c) CGPA above 8.00 : _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10. | Whether eligible for degree with Minor in Computational Biology? (If yes, list down the courses) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Course Code | Course Name | Semester | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Course 1: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Course 2: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Course 3: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|-----|---|--------------------|-----------------|
| | Course 4: | | |
| | | | |
| 11. | Whether eligible for degree with Minor in Entrepreneurship? (If yes, list down the courses) | | |
| | Course Code | Course Name | Semester |
| | Course 1: | | |
| | Course 2: | | |
| | Course 3: | | |
| | Course 4: | | |
| | Course 5: | | |
| | BTP (Sem): | Title: | |
| | Apprenticeship: | Details: | |
| | External Visits & Interactions | Details: | |
| 12. | Whether eligible for degree with Major in Economics? (If yes, list down the courses) | | |
| | Course Code | Course Name | Semester |
| | Course 1: | | |
| | Course 2: | | |
| | Course 3: | | |
| | Course 4: | | |
| | Course 5: | | |
| | Course 6: | | |
| | Course 7: | | |
| | Course 8: | | |
| | | | |
| 12. | Whether eligible for degree with Minor in Quantum Mechanics? (If yes, list down the courses) | | |
| | Course Code | Course Name | Semester |
| | Course 1: | | |
| | Course 2: | | |
| | Course 3: | | |
| | Course 4: | | |
| | Project / Self Study | Details: | |
| | | | |

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 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 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 Major in Economics</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