

GUIDELINES AND ACADEMIC ROAD MAPS

For

The students who will opt the **Additional Academic Program** along with their regular degree

DUAL DEGREE (CATEGORY - A, B & C)

[STUDENT CAN OPT ONLY ONE CATEGORY UNDER DUAL DEGREE PROGRAM]

CATEGORY-A: B.Tech & M.Tech in the same department.

CATEGORY-B: B.Tech in parent department and M.Tech in other Department/Discipline

CATEGORY-C: B.Tech in parent department and MBA in the department of Management Studies

Minimum and Maximum Duration for completion of the Dual Degree program

Minimum: Nine Semesters and Maximum: Fourteen Semesters
(Normally Ten semesters are required for completion of the program)

ELIGIBILITY CRITERIA FOR OPTING DUAL DEGREE

1. **Minimum CGPA should be 7.00** at the end of fourth semester.
2. No backlog (failed/dropped) at the time of applying.
3. For Dual Degree (Category - B & C), the department will have the prerogative to increase the CGPA and impose other eligibility criteria such as written test and/or interview

APPLICATION PROCESS FOR OPTING DUAL DEGREE PROGRAM

CATEGORY- A, B & C

1. Students will be given **one-time** option to apply for opting the Additional Academic Program during the Pre-registration process of their **Fifth Semester**.
2. For **Category-B** and **Double Major**, students will have the multiple preferential options to choose the department/discipline for pursuing the additional academic program in other departments/discipline.
3. Students will not be allowed to opt for both the Dual Degree and Double Major.
4. Once the requests of the students for pursuing the additional academic program are accepted, no changes will be allowed.
5. **Allotment of the Dual Degree program will be made after the declaration of the fourth semester result** and students will be able to view the allotted Dual Degree program on their MIS Portal.
6. Students who will be allotted a Dual Degree program may change their **pre-registered courses according to the requirement of the Dual Degree program during the add/drop period.**
7. **Students who opted for a Dual Degree program will be given a one-time option to withdraw from that program only at the end of their 6th Semester. No withdrawal from the Dual Degree program is allowed after the 6th Semester.**

ACADEMIC ROAD MAP OF THE DUAL DEGREE PROGRAM

CATEGORY - A

[Students will be allowed to take one course overload in every semester except 9th and 10th semester]

In addition to the courses prescribed for M.Tech part under Dual Degree program, all the semester-wise courses prescribed in the B.Tech course structure are to be cleared for fulfillment of the requirements of the B.Tech Degree.

Details of the Academic Road Map:

Course work of the M.Tech Part:

- Six Courses – Total 54 Credits (Combination of DCPG/DEPG/OEPG of parent department).
 - Thesis Component: 36 credits in 9th semester & 18 credits in 10th semester = 54 credits.
 - Total= 108 credits
1. **Fifth Semester:** One DCPG course prescribed in the Dual Degree course structure to be taken in addition to the courses prescribed for B.Tech program in that semester.
 - If the timing of the DCPG course is clashing with the any courses of 5th semester DCUG courses of the B.Tech program, then the DCPG course of the M.Tech part may be taken in 6th semester where no DCUG course has been prescribed in the B.Tech course structure.
 2. **Sixth Semester:** One DEPG/OEPG course to be taken **(To be recommended by the Supervisor in consultation with the concerned student)**
 3. **Seventh Semester:** One DCPG course prescribed in the courses structure of the Dual Degree (Category-A)
 - If the DCPG is not prescribed by the department, then any DEPG/OEPG may be taken as per the recommendation of the supervisor.
 4. **Eighth Semester:** One DEPG/ OEPG course to be taken.
 5. **Ninth Semester:** Only 36 credits of thesis.
 - In this semester, students will not be allowed to take any course except the thesis.
 6. **Tenth Semester:** Two DEPG/OEPG course along with 18 credits of thesis to be taken.

Note:

- a) All the DEPG/OEPG courses will be taken as per the recommendation of the concerned Supervisor from the DEPG/OEPG basket of the course structure.
- b) No academic adjustment is permissible for completion of the Dual Degree program for Category - A. For example, changing of the status of the courses prescribed in the course structures of both the academic programs.
- c) If the Departmental Practical (DP) courses have been prescribed in the course structure of the Dual Degree program by the department, clearing all such lab courses are mandatory for completion of the Dual Degree program.

ACADEMIC ROAD MAP OF THE DUAL DEGREE PROGRAM

CATEGORY - B

[Students will be allowed to take one course overload in every semester except 9th and 10th semester]

In addition to the courses prescribed for M.Tech part under the Dual Degree program, all the semester-wise prescribe courses in the B.Tech course structure are to be cleared for fulfillment of the requirements of the B.Tech Degree.

Details of the Academic Road Map:

Course work for M.Tech Part:

- **Four DCUG courses (36 credits) of the M.Tech department plus Six Courses - 54 Credits (Combination of DCPG/DEPG/OEPG of M.Tech department).**
- **Thesis Component:** 36 credits in 9th Semester + 18 credits in 10th semester = 54 credits.
- **Total= 108 credits** (Excluding 36 credits of the DCUG)

1. **Fifth Semester:** One DCUG course of the second department, prescribed in the Dual Degree (Category - B) course structure to be taken in addition to the courses prescribed for B.Tech. program in that semester.

- Credits of the DCUG course of the second department (M.Tech) will be counted towards the credits of OE-1 course prescribed in the B.Tech course structure of the parent department and there is no need to clear any OE-1 course if it is prescribed in **5th or 6th semester** for B.Tech Degree.
- If the timing of the DCUG course of the second department (M.Tech Part) is clashing with the any courses of 5th Semester DCUG courses of B.Tech program, then the DCUG course prescribed in the 5th semester of Dual Degree course template (M.Tech Part) may be taken in 7th semester where no DCUG course has been prescribed in the B.Tech course structure)

2. **Sixth Semester:** One DCUG course of the second department, prescribed in the Dual Degree (Category - B) course structure is to be taken in addition to the courses prescribed for B.Tech program in that semester.

- Credits of the DCUG course of the second department (M.Tech) will be counted towards the credits of **OE-2** course prescribed in the B.Tech course structure of the parent department and there is no need to clear any OE-1 course if it is prescribed in **6th semester** for B.Tech Degree.

3. **Seventh Semester:** Two DCUG courses and one DCPG/DEPG/OEPG of the second department, prescribed in the Dual Degree (Category - B) course structure are to be taken in addition to the courses prescribed for B.Tech program in that semester.

- Credits of the **Two DCUG** courses of the second department (M.Tech) will be counted towards the credits of **OE-3 & OE-4** courses prescribed in the B.Tech course structure of the parent department and there is no need to clear any OE-1 course if it is prescribed either in **6th semester or 7th semester** for B.Tech Degree.

4. **Eighth Semester:** Three DEPG/ OEPG courses are to be taken.

5. **Ninth Semester:** Only 36 credits of thesis.

- In this semester, students will not be allowed to take any course except the thesis.

6. **Tenth Semester:** Two DEPG/ OEPG courses along with 18 credits of thesis are to be taken

Note:

- a) **All the DEPG/OEPG courses will be taken as per the recommendation of the concerned M.Tech Supervisor from the DEPG/OEPG basket of the Course Structure.**
- b) **No academic adjustment is permissible for completion of the Dual Degree program for Category - B, except waiver in the OE credit (at least 36 credits).**
- c) **If the Departmental Practical (DP) courses have been prescribed in the course structure of the Dual Degree program by the department, clearing all such Lab courses are mandatory for completion of the Dual Degree program.**

ACADEMIC ROAD MAP OF THE DUAL DEGREE PROGRAM

CATEGORY - C

[Students will be allowed to take one course overload in every semester except 9th and 10th semester]

*In addition of the courses prescribed for **MBA Part** under the **Dual Degree (Category - C)** program, all the semester-wise prescribe courses in the B.Tech course structure are to be cleared for fulfillment of the requirements of the B.Tech Degree.*

Details of the Academic Road Map:

Course work for MBA Part: Five DCPG/DEPG courses (45 credits) of the MS department plus Seven Courses - 63 Credits (Combination of DEPG/OEPG of MBA). **Thesis Component:** 18 in 9th semester + 18 credits in 10th semester = 36 credits. **Total= 108 credits** (Excluding four courses (36 credits) of the DCPG whose credits will be counted in B.Tech program)

1. **Fifth Semester:** One DCPG course of the second department (**MBA course of Management Studies**), prescribed in the Dual Degree (Category-C) course structure is to be taken in addition to the courses prescribed for B.Tech program in that semester.
 - Credits of the DCPG course of the second department (**MBA**) will be counted towards the credits of **OE-1 course** prescribed in the B.Tech course structure of the parent department and there is no need to clear any OE-1 course if it is prescribed in **5th or 6th semester** for B.Tech Degree.
 - If the timing of the DCPG course of the second department (**MBA**) is clashing with any courses of 5th Semester DCUG courses of B.Tech program, then the DCUG course prescribed in the 5th semester of Dual Degree course template (**MBA**) may be taken in 7th semester where no DCUG course has been prescribed in the B.Tech. course structure.
2. **Sixth Semester:** One DCPG course of the second department (**MBA course of Management Studies**), prescribed in the Dual Degree (Category-C) course structure is to be taken in addition to the courses prescribed for B.Tech program in that semester.
 - Credits of the DCPG courses of the second department (MBA) will be counted towards the credits of **OE-2 course** prescribed in the B.Tech course structure of the parent department and there is no need to clear any OE-1 course if it is prescribed in **6th semester** for B.Tech Degree.
3. **Seventh Semester:** Three DCPG courses of the second department (**MBA course of Management Studies**), prescribed in the Dual Degree (Category - C) course structure to be taken in addition to the courses prescribed for B.Tech program in that semester.
 - Credits of the **Two DCPG** courses of the second department (**MBA course of Management Studies**), will be counted towards the credits of **OE-3 & OE-4** courses prescribed in the B.Tech course structure of the parent department and there is no need to clear any OE-1 course if it is prescribed either in **6th semester or 7th semester** for B.Tech Degree.
4. **Eighth Semester:** Three DEPG/ OEPG course to be taken.
5. **Ninth Semester:** Two DEPG/ OEPG courses and 18 credits of thesis.
 - In this semester, students will not be allowed to take any extra course.
6. **Tenth Semester:** Two DEPG/ OEPG courses along with 18 credits of thesis to be taken.

Note:

- a) All the DEPG/OEPG courses will be taken as per the recommendation of the concerned Supervisor from the DEPG/OEPG basket of the course structure.
- b) No academic adjustment is permissible for completion of the Dual Degree program for Category - C, except waiver in the OE credit (at least 36 credits).
- c) If the Departmental Practical (DP) courses have been prescribed in the course structure of the Dual Degree program by the department, clearing all such Lab courses are mandatory for completion of the Dual Degree program.

TERMINATION FROM THE DUAL DEGREE PROGRAM (CATEGORY-A, B & C)

If a student falls short of 36 or more credits of the total credit requirements of the B.Tech degree at the end of **Eight Semester** s/he will be terminated from the Dual Degree program irrespective of the category. However, B.Tech degree of the parent department will be awarded subject to fulfillment of all the graduating requirements. After termination from the Dual Degree (Category-A, B & C) program, credits of all such courses taken for completing the Dual Degree program **will fulfill the OE credit requirements of B.Tech Degree** of the parent department.

PLACEMENT

All students who will opt for an Additional Academic Program of Dual Degree (Category-A, B & C) will be eligible for PLACEMENT only in their fifth year.

DOUBLE MAJOR

B.Tech in parent department and SECOND MAJOR in any other Department running B.Tech program

This is a **FIVE YEAR** academic program for a B.Tech degree with **MAJORS** in two departments. The **FIRST MAJOR** in Parent Department, while the **SECOND MAJOR** in the department to which the student is allowed for pursuing the **DOUBLE MAJOR** academic program.

Minimum and Maximum Duration for completion of the Dual Degree program

Minimum: Nine Semesters and Maximum: Fourteen Semesters.
(Normally **Ten** semesters are required for completion of the program)

ELIGIBILITY CRITERIA FOR OPTING DOUBLE MAJOR

1. **CGPA of 8.00** at the end of fourth semester.
2. No backlog (failed/dropped) at the time of applying.
3. **Department will have the prerogative to increase the CGPA or introduce additional eligibility criteria such as Interview and/or Written Test.**

APPLICATION PROCESS FOR OPTING DOUBLE MAJOR PROGRAM

1. Students will be given **one-time** option to apply for opting the Double Major Program during the Pre-registration process of their **Fifth Semester**.
2. For **Double Major**, students will have the multiple preferential options to choose the department/discipline other than the parent departments/discipline.
3. **Students will not be allowed to opt for both the Dual Degree and Double Major.**
4. **Once the request of the students for pursuing the DOUBLE MAJOR program are accepted, then no changes permitted further.**
5. **Allotment of the Double Major program will be made after the declaration of the fourth semester result** and the students will be able to view the allotted Double Major program on their **MIS Portal**.
6. Students who will be allotted Double Major program may change their **pre-registered courses according to the requirement of the Double Major program during the add/drop period.**
7. **Students who opted for a Double Major program will be given a one-time option to withdraw from that program only at the end of their 6th semester. No withdrawal from the Double Major program is allowed after the 6th semester.**

ACADEMIC ROAD MAP OF DOUBLE MAJOR PROGRAM

[Students will be allowed to take one course overload in every semester]

In addition of the courses prescribed for Double Major program, all the semester-wise prescribe courses in the B.Tech. course structure are to be cleared for fulfillment of the requirements of the B.Tech Degree.

Details of the Academic Road Map:

Course work for the Second Major:

- **Eight DCUG** courses (72 credits) of the **Second Major** department.
 - **Four DE** courses of **Second Major** department.
 - **Two ESO** courses (Guided, which are prescribed in the course structure of Double Major Course Structure.)
 - **Total= 108 credits** (Excluding 18 credits of the ESO).
1. **Monsoon Semester** (Fifth, Seventh & Ninth): **Four DCUG** courses along with one **ESO** and **Two DE** courses of the second department prescribed in the **Double Major** course structure are to be taken in addition to the courses prescribed for B.Tech program in that semester.
 2. **Winter Semester** (Sixth, Eighth & Tenth): **Four DCUG** courses along with one **ESO** and **Two DE** courses of the second department prescribed in the **Double Major** course structure are to be taken in addition to the courses prescribed for B.Tech program in that semester.
 - Credits of the **Four DCUG** courses which will be cleared either in Monsoon Semester or in Winter Semester of the second department will be counted towards the credits of OE-1, OE-2, OE-3 & OE-4 course prescribed in the B.Tech course structure of the parent department. There is no need to clear **Four OE** courses as prescribed in **5th, 6th or 7th semester** for B.Tech Degree.
 - If the timing of the DCUG course of the second department (Department of Second Major) clashes with the any DCUG courses of 5th semester of B.Tech program in parent department, then the DCUG course prescribed in the 5th semester of Double Major course template may be taken in 7th semester.

Note:

- a) **No academic adjustment is permissible for completion of the Double Major program.**
- b) **If the Departmental Practical (DP) courses have been prescribed in the course structure of the Double Major program by the department, clearing all such Lab courses are mandatory for completion of the Double Major program.**

TERMINATION FROM THE DOUBLE MAJOR PROGRAM

If a student falls short of 36 or more credits of the total credit requirements of the B.Tech degree at the end of **Eight Semester** s/he will be terminated from the Double Major program. However, B.Tech degree of the parent department will be awarded subject to fulfillment of all the graduating requirements. After termination from the Double Major program, the credits of all such courses taken for completing the Double Major program **will be considered to fulfill the OE credit requirements of B.Tech Degree** of the

MINOR

1. All the undergraduate students, including 5-Year Integrated M.Tech are eligible for opting the Minor.
2. Students may opt more than one Minor but all courses required for completion the Minor(s) are to be cleared within the Minimum duration prescribed for completion of the academic program.
3. **Departments may allow the students based on the CGPA secured by the students at the end of their fourth semester and the maximum number will be decided by the concerned department based on percentage of the sanctioned strength of that department.**

APPLICATION PROCESS FOR OPTING

MINOR

1. Students will be given **one-time** option to apply for opting the **MINOR** during the Pre-registration process of their **Fifth Semester**.
2. The students will have the multiple preferential options to choose the Minors which are offered by the departments.
3. **Students will not be allowed to opt the Minor of their own department as well as of that department where s/he will pursue the Dual Degree (Category - B & C) and Double Major**
4. **Once the choices of the Minor(s) is/are accepted, then any kind of change in the choices will not be allowed.**
5. **Allotment of the Minor program will be made after the declaration of the fourth semester result** and students will be able to view the allotted Minor on their **MIS Portal**.
6. Students who will be allotted Minor program may change their **pre-registered courses according to the requirement of the Minor during add/drop period.**
7. **A certificate will be issued only after completion of all requirements of the Minor at the time of conferring the Degree. No certificate or any other document will be issued during the entire academic period, even if a student completes the requirements of the Minor before.**

**ACADEMIC ROAD MAP OF
MINOR**

*In addition of the semester-wise courses prescribed in the course structure for **B.Tech and Integrated M.Tech** program, the students may choose those courses which are listed for completion of a **Minor** as an **Open Elective** and credits of all such courses will fulfill the **OE credit** requirements of their **B.Tech. and Integrated M.Tech.***

Course work for MINOR(s):

- a) **Minimum three courses** (27 credits) prescribed for each Minor to be completed.
 - b) If any ESO course is prescribed as a component of Minor by the offering department, then that ESO course cleared by the student will be considered for completion of the Minor as well as that towards B.Tech. and Integrated M.Tech. academic program.
1. It will be the responsibility of the student to make a plan to complete the requirements of the Minor(s) and to register the courses accordingly.
 2. No adjustment in the course work for completion of the Minor will be accepted.
 3. For doing the Minor, the students will not be allowed to take **Overload. No extra semester** will be given for completion of the Minor, not even Summer semester.
 4. If any student fails to complete the requirements of the Minor within the minimum duration prescribed for completion of the Minor but completed all the graduation requirements, s/he will be given the degree without Minor.

Note:

- a) **If any student fails to opt the Minor at the end of his fourth semester but later on he completes the course work of a Minor, then s/he may make a request for retrospective Minor.**
- b) **A notification will be issued by the Office of the Dean (Academic) in the month of April of every year for the graduating batch students for submission of an application for retrospective Minor.**
- c) **Student cannot make claim for retrospective Minor once the degree is awarded.**
