HONOURS (MINOR) /SPECIALISATION DEGREE GUIDELINE

Preamble:

A Minor is an additional credential, a student will earn if he/she does minimum 18 credits worth of additional learning in his/her major discipline or other than his/her major discipline. The objective is to permit a student to customize their Engineering degree to suit their specific interests.

What is Honours (Minor) Degree?

An honour is the field in which a student focuses during the course of his/her degree. An Honours degree typically refers to a higher level of academic achievement in the major area. Minor is a secondary concentration of courses that often complements the honours. Minor are coherent sequences of courses which may be taken in addition to the courses required for the B.E/B.Tech degree.

Benefits:

Upon completion of minimum 18 credits in an Engineering , a student will be better equipped to perform in core/interdisciplinary research and will be better employable.

Eligibility:

A student who opt for Hons/Specialization should have 7.5 CGPA and above and no history of arrears upto third semester and thereafter also.

B.E./ B. Tech. (Hons) Specialization in the same discipline, B.E. / B.Tech. Honors and B.E. / B.Tech. Minor in other specialization degrees will be optional for students. B.E. / B.Tech.

Category of Honours (Minor) Degree:

- B.E. / B.Tech. Honours (specialization in the same discipline):
- B.E. / B.Tech. Honours
- B.E. / B.Tech. (Minor in other specialisation)

B.E. / B.Tech. Honours (specialization in the same discipline):

The student should have earned additionally a minimum of 18 credits from a domain/specialisation of the same programme.

B.E. / B.Tech. Honours

• The students should have earned additionally a minimum of 18 credits from more than one specialisation /domain of the same programme or a multiple program.

B.E. / B.Tech. (Minor in other specialisation)

The student should have earned additionally a minimum of 18 credits in any one of the domains of other B.E/B.Tech. programmes or from any one of the domain/specialization specified in the annexure(1)

Process:

The students will be permitted to register the courses from Semester IV onwards provided the marks earned by the students until Semester III is CGPA 7.50 and above.

The minor course registration form will be available in the college website, (https://francisxavier.ac.in/cs-content/uploads/coe/downloads/Minor-Specialization%20Courses%20-%20Registration%20-%20Student.pdf)

The filled minor course registration form to be submitted to CoE via HoD of minor course offering department.

 CoE after scrutiny well release the approved list of eligible minor program registered students in every semesters.

Minor Course Registration Timeline:

- Registration is permitted for Minor after the third semester result declaration probably within one week period
- Minor Course Registration form available in college website under CoE menu. (https://francisxavier.ac.in/cs-content/uploads/coe/downloads/Minor-Specialization%20Courses%20-%20Registration%20-%20Student.pdf)

Rules & Regulations:

1) A student from any department is eligible to apply for Minor from any other department.
2) Out of the 18 Credits, shall be earned by undergoing a minimum of five courses listed in the curriculum for minor, of which one course shall be a project based on the chosen area which is should not correlated with eighth semester B.E/B. Tech project.
3) If a student fails in any course of the minor, he/she shall not be eligible to continue the B.E./B.Tech Minor. There won't be any supplementary examination for the courses chosen for Minor. However, the additional credits and grades earned so far by the student shall be eligible for credit transfer against Professional Elective/Open Elective.
4) Student having backlogs in any of regular semester courses at any stage will not eligible to continue the Minor(Honour) Programme.
5) The classes for Minor shall be conducted along with regular classes preferably eighth hour in the time table
6) Approved NPTEL/SWAYAM online courses/Skill based value added courses can be considered for credit transfer into minor(Honor) subjected to maximum of 6 credits.
7) Under graduate Degree with minor shall be issued by the University to the students who fulfil all the academic eligibility requirements for the B.E/B.Tech program and Minor.

8) If a student decides not to opt for Honours/Minor, after completing a certain number of additional courses, the additional courses studied shall be swapped instead of the Professional Elective/Open Elective courses which are part of the curriculum.

9) If the student has studied more number of such courses than the number of Professional Elective courses required as per the curriculum, the student can request to list as additional courses in the marksheet.

10) If a student not willing to swap the additionally studied the course as Professional Elective/Open Elective, he/she can request to list as additional course in marksheet. However, they will not be considered for the calculation of CGPA.

11) If a student decides not to opt for Minor degree, after completing a certain number of courses, the additional courses studied shall be considered instead of Open Elective courses which are part of the curriculum.

12) If the student has studied more number of such courses than the number of open electives required as per the curriculum, the courses with higher grades shall be considered for calculation of CGPA. Remaining courses shall be printed in the grade sheet, however, they will not be considered for calculation of CGPA.

Assessment:

The registration, assessment & evaluation pattern and classification of grades of these courses shall be the same as that of the courses in the regular curriculum of the programme of the candidate.

List of HONOURS (MINOR) /SPECIALIZATION DEGREE OFFERED BY THE DEPARTMENT (ATTACHED AS A ANNEXURE 1):

Classification of the Degree Awarded

The conditions for First Class with Distinction, First Class, and Second Class are same as Clause except the following classification.

First Class: A student who satisfies the following conditions shall be declared to have passed the examination in First class for the purpose of the 'Award of Degree', of B.E. / B.Tech. Honors (specialization in the same discipline) and B.E. / B.Tech. Honors

➢ Should have secured a CGPA of not less than 7.50.

CLASSIFICATION OF THE DEGREE AWARDED
FIRST CLASS WITH DISTINCTION

A student who satisfies the following conditions shall be declared to have passed the examination in First class with Distinction:

Degree (i)	Duration of Programme (ii)	Duration permitted (iii)	Additional credits above the requirement of curriculum (iv)	CGPA (v)	Pass in (vi)
B.E/ B.Tech (Regular)	4 years	5 years (One year authorised break of study included in the Duration permitted)	_	8.50 and above	First attempt
B.E./ B.Tech Later Entry	3 years	4 years (One year authorised break of study included in the Duration permitted)	_	8.50 and above	First attempt
B.E./ B.Tech(Honours) **Specialisation** in the same Discipline	3/4/5 Years (Lateral entry, Regular respectively)	4/5/6 years (Lateral entry, Regular Respectively (One year authorized break of study included in the Duration permitted)	18 credits from any one domain of the same programme	8.50 and above	First attempt
B.E./ B.Tech. (Honours)	3/4/5 years (Lateral entry, Regular respectively)	4/5/6 years (Lateral entry, Regular respectively) (One year authorized break of study included in the Duration permitted)	18 credits from more than one domains of the same programme	8.50 and above	First attempt

| B.E/B.Tech minor in other specialisation | 3/4/5 years(Lateral entry) Regular respectively) | 4/5/6 years (Lateral entry, Regular respectively)

(One year authorized break of study included in the Duration permitted) | 18 credits from any one domains of the other programme | 8.50 | | First attempt |

First class with Distinction:

- Should have passed the examination in all the eight semesters (6 semesters in the case of Lateral Entry) in the First Appearance within **Five** years (four years in the case of lateral Entry) Withdrawal from examination (vide Clause 17) will not be considered as an appearance.
  Should have secured a CGPA of not less than **8.50**
- One year authorized break of study (if availed of) is included in the five years (four years in the case of lateral entry) for award of First class with Distinction.
  Should NOT have been prevented from writing end semester examination due to lack of attendance in any semester.
- **Prevention Due to lack of attendance :** Not Permitted
- **Withdrawal from writing end semester examination:** Will not be considered as an attempt.

FIRST CLASS:

A student who satisfies the following conditions shall be declared to have passed the examination in First class:

First Class:

- Should have passed the examination in all the course of all eight semesters (6 semesters in the case of Lateral Entry) **Within five years** (four years in the case of lateral Entry).
- One year authorized break of study (if availed of) Or prevention from writing the End Semester examination due to lack of attendance (if applicable) is included in the duration of five years (four years in the case of lateral entry) for award of First class.
- Should have secured a CGPA of not less than **6.50.**

Degree (i)	Duration of Programme (ii)	Duration permitted (iii)	Additional credits (iv)	CGPA (v)	Pass in (vi)	Break of study (vii)	Prevention Due to lack of attendance	Withdrawal from writing end semester examination (viii)
B.E/B.Tech (Regular)	4 years	5 years	-	6.50	-	One year authorised break of study included in the Duration permitted (iii)	Included in the Duration Permitted (iii)	
B.E./ B.Tech Later Entry	3 years	4 years	-	6.50	-	One year authorised break of study included in the Duration permitted (iii)	Included in the Duration Permitted (iii)	
B.E./B.Tech (Honours) Specialisation in the same Discipline	3/4/5 Years (Lateral entry, Regular respectively)	4/5/6 years (Lateral entry, Regular Respectively	18 credits from any one domain of the same programme	7.50	First attempt	One year authorised break of study included in the Duration permitted (iii)	Not permitted	Will not be considered as an attempt
B.E./ B.Tech. (Honours)	3/4/5 years (Lateral entry, Regular respectively)	4/5/6 years (Lateral entry, Regular respectively)	18 credits from more than one domains of the same programme	7.50	First attempt	One year authorized break of study included in the Duration permitted (iii)	Not permitted	Will not be considered as an attempt
B.E/B.Tech minor in other specialisation	3/4/5 years(Lateral entry) Regular respectively	4/5/6 years (Lateral entry, Regular respectively)	18 credits from any one domains of the other programme	6.50	-	One year authorized break of study included in the Duration permitted (iii)	Included in the Duration permitted(iii)	

SECOND CLASS:

All other students who quality for the award of the degree. Shall be declared to have passed the examination in **Second Class.**

B.E./B.Tech. Regular, and lateral entry and B.E./B.Tech. minor in other specialization degree students who quality for the award of the degree shall be declared to have passed the examination in **Second Class.**

Student earned additional 18 credits as per but does not satisfy the Conditions Mentioned shall not be awarded B.E/B.Tech.Honours. In such cases the mark sheet will show the additional courses studied and those courses shall not be considered for CGPA Computation. In such case if the student becomes eligible for First Class. While computing CGPA Without taking into account the additional course Studied, the student shall be awarded B.E/B.Tech. in First class only (or) student may opt to consider these additional courses.

Frequently Asked Questions (FAQs) for a Minor Degree:
1. Can I pursue a minor outside of my major field of study?
    Yes, any student can pursue a minor in a subject unrelated to your major.
2. Can I change my minor after declaring it?
    Yes, as per regulations allow you to change your minor if you find another subject more appealing. However, it's essential to check with your regulations to understand the process for making such changes.
3. Will completing a minor degree take longer to graduate?
    It depends on your course load and how well you plan your schedule. In most cases, if you manage your credits efficiently, you can complete a minor degree within the same time it takes to complete your major.
4. How does completing a minor affect my major degree requirements?
    A minor degree usually has no impact on the requirements for your major degree. It's designed to be an additional area of study and should not significantly extend the time needed to graduate.
5. Can I transfer credits from a minor to a major?
    In some cases, courses taken for your minor may also count toward your major requirements as per the regulations. Is a minor degree necessary or just optional?
6. A minor degree is typically optional, meaning it is not a requirement for graduation. It's a choice you can make if you want to diversify your skills and knowledge in a specific area of interest.

List of HONOURS (MINOR) /SPECIALIZATION DEGREE OFFERED BY THE DEPARTMENT:

Annexure - 1

S.No	Name of the Domain/specialisation	Dept. Offering the Domain	Name of the B.E. / B.Tech. Honours (specialization in the same discipline):	Name of the B.E. / B.Tech. (minor in other specialization)	Name of the B.E. / B.Tech. Honours
1	Cyber Security	Computer Science and Engineering	Students from **B.E. Computer Science and Engineering, B.Tech. – Information Technology,B.Tech. – Artificial Intilligence &Data Science, B.Tech. – Computer Science and Business Systems** considered as same discipline, So **B.E(Honors)** in their discipline(specialization in Cyber Security) **Eg: B.E. Honours** Computer Science and Engineering **specialization in** Cyber Security	For students from **B.E. Electronics and Communication Engineering, B.E. Electrical and Electronics Engineering, B.E. Civil Engineering, B.E. Mechanical Engineering** the domain is considered as other specialization. **Eg:** **B.E.** Electronics and Communication Engineering **(minor in Cyber Security)**	If a student completed 18 credits, but the courses which he/she studied not stipulated to the cyber security domain(Partially/ Completely). The student will be considered to receive **B.E/B.Tech(Honors)**

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2	Internet of Things	Electronics and Communication Engineering	Students from **B.E.** Electronics and Communication Engineering considered as same discipline, So **B.E(Honors)** in their discipline(specialization in Internet of Things) **Eg: B.E. Honours** Electronics and Communication Engineering **specialization in** Internet of Things	For students from **B.E. Computer Science and Engineering, B.Tech. – Information Technology,B.Tech. – Artificial Intilligence &Data Science, B.Tech. – Computer Science and Business, B.E. Electrical and Electronics Engineering, B.E. Civil Engineering, B.E. Mechanical Engineering** the domain is considered as other specialization. **Eg: B.E.** Electrical and Electronics Engineering **(minor in Internet of Things)**	If a student completed 18 credits, but the courses which he/she studied not stipulated to the cyber security domain(Partially/ Completely). The student will be considered to receive **B.E/B.Tech(Honors)**

3	Additive Manufacturing	Mechanical Engineering	Students from **B.E. Mechanical Engineering** considered as same discipline, So **B.E(Honors)** in their discipline(specialization in Additive Manufacturing) **Eg: B.E. Honours** Mechanical Engineering **specialization in** Additive Manufacturing	For students from **B.E. Computer Science and Engineering, B.Tech. – Information Technology,B.Tech. – Artificial Intilligence &Data Science, B.Tech. – Computer Science and Business, B.E. Electrical and Electronics Engineering, B.E. Civil Engineering, B.E. Electronics and Communication Engineering** the domain is considered as other specialization. **Eg: B.E.** Electrical and Electronics Engineering **(minor in Additive Manufacturing)**	If a student completed 18 credits, but the courses which he/she studied not stipulated to the cyber security domain(Partially/ Completely). The student will be considered to receive **B.E/B.Tech(Honors)**
4	Data Science	Information Technology	Students from **B.E. Computer Science and Engineering, B.Tech. – Information Technology,B.Tech. – Artificial Intilligence &Data Science, B.Tech. – Computer Science and Business Systems** considered as same discipline, So **B.E(Honors)** in their discipline(specialization in Data Science) **Eg: B.Tech. Honours** Information Technology **specialization in** Data Science	For students from **B.E. Electronics and Communication Engineering, B.E. Electrical and Electronics Engineering, B.E. Civil Engineering, B.E. Mechanical Engineering** the domain is considered as other specialization. **Eg: B.E.** Electronics and Communication Engineering **(minor in Data Science)**	If a student completed 18 credits, but the courses which he/she studied not stipulated to the cyber security domain(Partially/ Completely). The student will be considered to receive **B.E/B.Tech(Honors)**

5	Big Data Analytics	Computer Science and Business Systems	Students from **B.E. Computer Science and Engineering, B.Tech. – Information Technology,B.Tech. – Artificial Intilligence &Data Science, B.Tech. – Computer Science and Business Systems** considered as same discipline, So **B.E(Honors)** in their discipline(specializati on in Data Science) **Eg: B.Tech. Honours** Computer Science and Business Systems **specialization in** Big Data Analytics	For students from **B.E. Electronics and Communication Engineering, B.E. Electrical and Electronics Engineering, B.E. Civil Engineering, B.E. Mechanical Engineering** the domain is considered as other specialization. **Eg: B.E.** Electronics and Communication Engineering **(minor in Big Data Analytics)**	If a student completed 18 credits, but the courses which he/she studied not stipulated to the cyber security domain(Partially/ Completely). The student will be considered to receive **B.E/B.Tech(Hono rs)**
6	Business Intelligence	Artificial Intelligence and Data Science	Students from **B.E. Computer Science and Engineering, B.Tech. – Information Technology,B.Tech. – Artificial Intilligence &Data Science, B.Tech. – Computer Science and Business Systems** considered as same discipline, So **B.E(Honors)** in their discipline(specializati on in Data Science) **Eg: B.Tech. Honours** Artificial Intelligence and Data Science **specialization in** Business Intelligence	For students from **B.E. Electronics and Communication Engineering, B.E. Electrical and Electronics Engineering, B.E. Civil Engineering, B.E. Mechanical Engineering** the domain is considered as other specialization. **Eg: B.E.** Electronics and Communication Engineering **(minor in Business Intelligence)**	If a student completed 18 credits, but the courses which he/she studied not stipulated to the cyber security domain(Partially/ Completely). The student will be considered to receive **B.E/B.Tech(Hono rs)**

7	Industrial Automation	Electrical and Electronics Engineering	Students from **B.E. Electrical and Electronics Engineering** considered as same discipline, So **B.E(Honors)** in their discipline(specialization in Industrial Automation) **Eg: B.E. Honours.** Electrical and Electronics Engineering **specialization in** Industrial Automation	For students from **B.E. Computer Science and Engineering, B.Tech. – Information Technology,B.Tech. – Artificial Intilligence &Data Science, B.Tech. – Computer Science and Business Systems, B.E. Civil Engineering, B.E – Mechanical Engineering,B.E. Electronics and Communication Engineering** the domain is considered as other specialization. **Eg: B.E.** Civil Engineering **(minor in Industrial Automation)**	If a student completed 18 credits, but the courses which he/she studied not stipulated to the cyber security domain(Partially/ Completely). The student will be considered to receive **B.E/B.Tech(Honors)**
8	Architectural Design	Civil Engineering	Students from **B.E. Civil Engineering** considered as same discipline, So **B.E(Honors)** in their discipline(specialization in Architectural Design) **Eg: B.E. Honours** Civil Engineering **specialization in** Architectural Design	For students from **B.E. Computer Science and Engineering, B.Tech. – Information Technology,B.Tech. – Artificial Intilligence &Data Science, B.Tech. – Computer Science and Business Systems, B.E. Electrical and Electronics Engineering, B.E – Mechanical Engineering,B.E. Electronics and Communication Engineering** the domain is considered as other specialization. **Eg: B.E.** Electrical and Electronics Engineering **(minor in Industrial Automation)**	If a student completed 18 credits, but the courses which he/she studied not stipulated to the cyber security domain(Partially/ Completely). The student will be considered to receive **B.E/B.Tech(Honors)**

Annexure 2: Registration of Minor/Specialization course proforma

Annexure 3: withdraw of registration of Minor/Specialization course proforma

Annexure 4: credit transfer Courses- Registration – Student proforma