



St. XAVIER'S
CATHOLIC COLLEGE OF ENGINEERING
(Autonomous)
Chunkankadai, Nagercoil - 629003
Kanyakumari District, Tamil Nadu

Approved by AICTE & Affiliated to Anna University, Chennai
Accredited with 'A' Grade by NAAC
UG Programs(ECE, EEE, Mech, Civil, CSE & IT) Accredited by NBA
Recognized under section 2(f) & 12(B) of UGC Act, 1956
UG Programs(ECE, EEE, Mech, Civil, CSE & IT),
MBA & MCA Programs Permanently Affiliated

Lr.No.: Regul.Amend./2024//01


14.03.2024

AMENDMENTS TO THE REGULATION 2022 (CBCS) FOR B.E. / B.TECH. DEGREE PROGRAMME OFFERED AT ST. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING, NAGERCOIL – APPROVED BY THE III ACADEMIC COUNCIL MEETING HELD ON 20-01-2024.

Applicable to B.E. and B.Tech. Programmes offered at St. Xavier's Catholic College of Engineering, Nagercoil under R-2022.

Sl.No	EXISTING	REVISED
1.	<p>4. STRUCTURE OF PROGRAMMES</p> <p>4.7 Value Added Courses</p> <p>The students may optionally undergo Value Added Courses (VAC) over and above the topics covered in the curriculum to obtain practical and industry oriented knowledge. The credits earned through the Value Added Courses shall be over and above the total credit requirements prescribed in the curriculum for the award of the degree. One / two credit courses shall be offered by the Department with the prior approval from the Head of the Institution through Dean-Academics. The details of the syllabus, time table and course coordinator may be sent to the Dean-Academics at least one month before the course is offered for approval. Students can take a maximum of two one credit courses / one two credit course during the entire duration of the programme.</p>	<p>4. STRUCTURE OF PROGRAMMES</p> <p>4.7 Value Added Courses</p> <ul style="list-style-type: none"> ❖ Students may optionally undergo Value Added Courses and the credits earned through the Value Added Courses shall be over and above the total credit requirement prescribed in the curriculum for the award of the degree. ❖ Courses with two/ three credits shall be offered by a Department with the prior approval from the Head of the Institution through Dean-Academics. ❖ The details of the syllabus, timetable and faculty details may be sent to the Dean-Academics after approval from the Head of the Institution. ❖ Students shall be allowed to take these courses offered in other Departments also, but with the permission of the Head of the Department of student and Head of


Prof. Dr. R. P. ANTO KUMAR, M.E., Ph.D.,
Dean (Academics)
Member Secretary (Academic Council)
St. Xavier's Catholic College of Engineering
Chunkankadai, Nagercoil – 629 003


14.3.24
Dr. J. MAHESWARAN, M.E. Ph.D. FIE. MISTE,
PRINCIPAL
St. Xavier's Catholic College of Engineering
CHUNKANKADAI
NAGERCOIL - 629 003

Page 1 of 24



		<p>Department offering the course.</p> <p>❖ Students can take a maximum of three courses during the entire duration of the programme starting from fifth semester to seventh semester.</p>
2.	<p>4.8 Online Courses</p> <p>Students may be permitted to credit a maximum of two online courses, subject to a maximum of six credits, with the approval of the Head of the Institution through Dean-Academics, in lieu of open elective / professional elective courses. The Head of the Institution shall form a three member committee that includes HOD, a faculty member from the respective department of the student and HOD of any other branch of the institution to ensure that the student has not studied such courses and would not repeat it again as Professional Elective/Open Elective courses. Suitable online courses shall be chosen from the NPTEL/SWAYAM platform.</p>	<p>4.8 Off campus courses and Transfer of Credits</p> <p>Students are permitted to optionally enroll and study a maximum of three off campus courses in physical/online/hybrid mode under each UG programme with the approval of the Head of the Institution as per the Regulations.</p> <p>The successful completion of these courses through any of the following modes shall be considered in lieu of professional elective / open elective courses of curriculum as approved by the Head of the Institution.</p> <p>4.8.1 Students are permitted to optionally enroll and study these courses through SWAYAM - NPTEL / IITB Spoken Tutorial platforms and credit transfer is to be done based on the marks and certificate provided by the SWAYAM- NPTEL / IITB.</p> <p>The number of credits and transfer of credits are based on the procedure explained in Table 1 & 2 and the Mapping of the marks with the grades is explained in Table 3.</p> <p>The mapping of marks with grades is applicable, only if the student passes the course as per the guidelines of SWAYAM-NPTEL / IITB.</p>


 14/03/2024.
Prof. Dr. R. P. ANTO KUMAR, M.E., Ph.D.,
 Dean (Academics)
 Member Secretary (Academic Council)
 St. Xavier's Catholic College of Engineering
 Chunkankadai, Nagercoil - 629 003.



 14.3.14
Dr. J. MAHESWARAN, M.E. Ph.D. FIE. MISTE.
 PRINCIPAL
ST. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING
CHUNKANKADAI
NAGERCOIL - 629 003



Table 1: Duration of the course and Number of credits for SWAYAM- NPTEL courses

SWAYAM-NPTEL Course Durations and Credit Equivalence (As per Regulation)		
Sl. No.	Course Duration	Credit Equivalence for Transfer of Credits
1	4 Weeks	1 Credit
2	8 Weeks	2 Credits
3	12 Weeks	3 Credits
4	16 Weeks	4 Credits

Table 2: Duration of the course and Number of credits for IITB Spoken tutorial courses


IITB Spoken Tutorial Course Durations and Credit Equivalence (As per Regulation)		
Sl. No.	Course Duration	Credit Equivalence for Transfer of Credits
1	6 hrs 30 mins	1 Credit
2	20 hours	2 Credits
3	30 hours	3 Credits
4	40 hours	4 Credits

Table 3: Mapping of Marks scored in NPTEL/ IITB Spoken tutorial courses and Credits earned

Grading System for SWAYAM-NPTEL Courses / IITB Spoken Tutorial (As per Regulation)		
Sl. No.	Final Score on the SWAYAM-NPTEL/ IITB Spoken Tutorial Certificate	Grade Awarded
1	90% and above	O
2	From 80% to 89%	A+
3	From 70% to 79%	A
4	From 60% to 69%	B+
5	From 50% to 59%	B
6	From 40% to 49%	C

4.8.2. Students are permitted to optionally enroll and study the courses in physical /


Prof. Dr. R. P. ANTO KUMAR, M.E., Ph.D.,
 Dean (Academics)
 Member Secretary (Academic Council)
 St. Xavier's Catholic College of Engineering
 Chunkankadai, Nagercoil -- 629 003.


Dr. J. MAHESWARAN, M.E. Ph.D. FIE. MISTE,
 PRINCIPAL
 ST. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING
 CHUNKANKADAI
 NAGERCOIL - 629 003



hybrid / online modes offered by reputed Central / State funded Universities / Institutions which are in the top 20 positions in the latest NIRF ranking and also conducting examination towards award of marks and grades. (NIRF Ranking of any of the last three years with respect to the year in which course is to be registered; NIRF ranking is based on respective stream for professional elective courses and based on any stream for open elective courses).

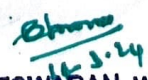
Students are also permitted to enroll and undergo such courses in Online mode at Universities abroad in top 500 in QS ranking in the last three years.

Students are also permitted to study courses of a particular semester in a University / Institution abroad based on MoU. A learning agreement shall be evolved to map all the courses offered in the programme and the courses offered in University abroad as per the procedure outlined by the Institute. The credits earned by the students in the University abroad shall be transferred as per the learning agreement.

In the case of 4.8.2, the students can enroll for the courses with the approval of the Head of the institution only if the course is offered directly by Institution/University and not with the edutech platforms.

The marks/credits earned by the student shall


14/03/2024.
Prof. Dr. R. P. ANTO KUMAR, M.E., Ph.D.,
Dean (Academics)
Member Secretary (Academic Council)
St. Xavier's Catholic College of Engineering
~ Chunkankadai, Nagercoil - 629 003.


14.3.24
Dr. J. MAHESWARAN, M.E. Ph.D. FIE. MISTE.
PRINCIPAL
ST. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING
CHUNKANKADAI
NAGERCOIL - 629 003



be transferred based on the decision of a committee constituted by the Dean – Academics and approved by the Head of the Institution.

4.8.3 Students are also permitted to enroll and study the courses in physical/hybrid mode (not less than 50% in physical mode) that are offered by (i) National/State funded research institutions/laboratories and (ii) (a) reputed companies (manufacturing or software) related to the programme, and (b) reputed companies involved in transfer of knowledge provided the knowledge transferring company is a spinoff from an Engineering/Technology practicing Industry and sharing the work experience of the respective industry.

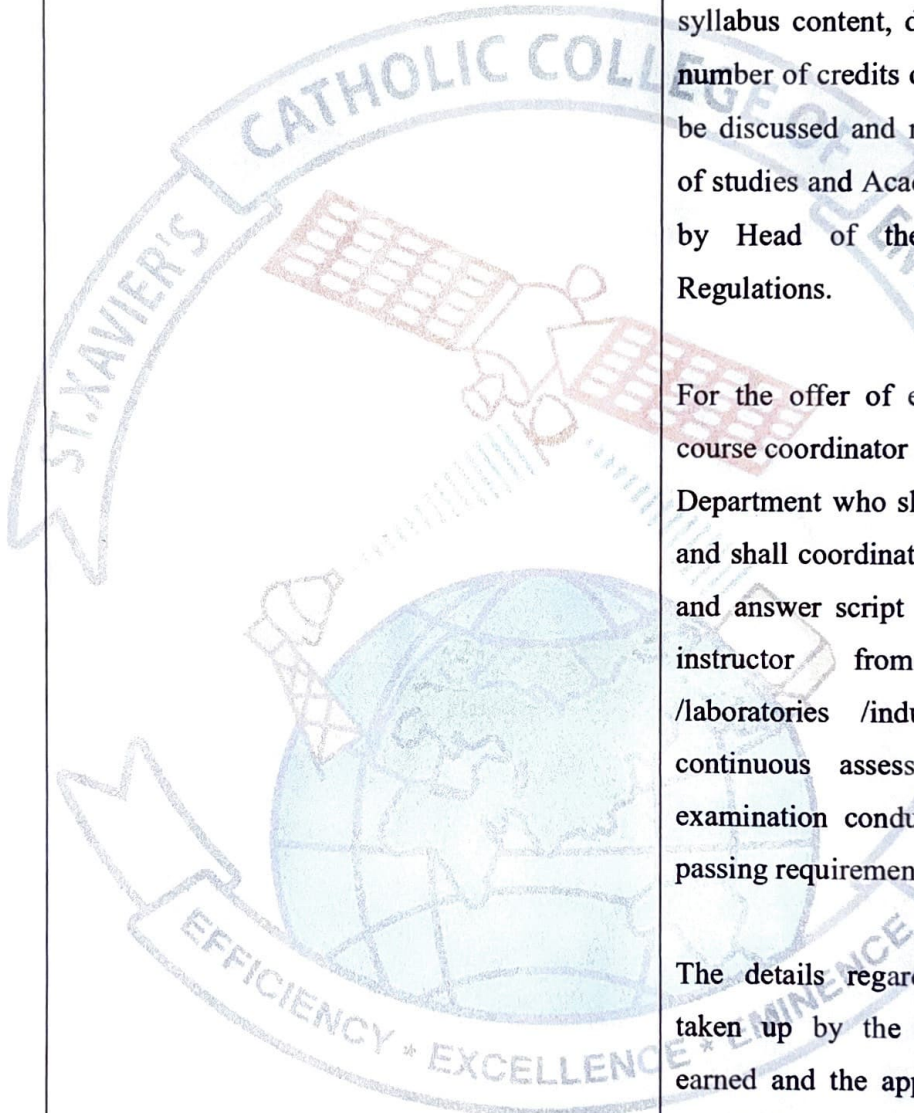
The companies mentioned in 4.8.3 (ii) (a) and the company with which the knowledge transfer company associated in the case of 4.8.3 (ii) (b) should have average annual turnover of more than 200 crores over a period of 5 years. However, the academic content and delivery shall be in consonance with the Institute academic standards and norms.

The minimum qualification of the course instructor from the company as mentioned in 4.8.3. (ii) shall be B.E./B.Tech with 10 years of research / industrial experience . Such


14/03/2024
Prof. Dr. R. P. ANTO KUMAR, M.E., Ph.D.,
Dean (Academics)
Member Secretary (Academic Council)
St. Xavier's Catholic College of Engineering
Chunkankadai, Nagercoil – 629 003


14.3.24
Dr. J. MAHESWARAN, M.E., Ph.D., FIE, MISTE,
PRINCIPAL
ST. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING
CHUNKANKADAI
NAGERCOIL - 629 003



	<p>courses shall be offered through MOU / MOA between the Institute and such institutions/ organizations/ companies.</p> <p>The design of the courses with regard to the syllabus content, duration of each course and number of credits offered for each course shall be discussed and recommended by the Board of studies and Academic council and approved by Head of the Institution as per the Regulations.</p> <p>For the offer of each course under 4.8.3, a course coordinator shall be nominated from the Department who shall also attend such course and shall coordinate the question paper setting and answer script evaluation with the course instructor from research institution /laboratories /industry/ company for the continuous assessment and end semester examination conducted by the Institute. The passing requirements are as per regulations.</p> <p>The details regarding Off campus courses taken up by the student and marks/credits earned and the approval for the course from the Head of the Institution shall be sent to the Controller of Examinations, in the subsequent semester(s) along with the details of the elective(s) to be dropped.</p>
---	--

Anto
14/08/2024

Prof. Dr. R. P. ANTO KUMAR, M.E., Ph.D.,
Dean (Academics)
Member Secretary (Academic Council)
St. Xavier's Catholic College of Engineering
Chunkankadai, Nagercoil - 629 003.

14-8-24
Dr. J. MAHESWARAN, M.E. Ph.D. FIE. MISTE,
PRINCIPAL
ST. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING
CHUNKANKADAI
NAGERCOIL - 629 003.

Page 6



<p>4.12 B.E./B.Tech.(Hons) specialization in the same Discipline, B.E./B.Tech.(Hons) and B.E./B.Tech. Minor in other specialisation.</p> <p>(i) B.E. / B.Tech. Honours (specialization in the same Discipline):</p> <ol style="list-style-type: none"> The student should have earned additionally a minimum of 18 credits from a specified group of Professional Electives of the same programme. Should have passed all the courses in the first attempt. Should have earned a minimum of 7.50 CGPA. <p>(ii) B.E./B.Tech. Honours</p> <ol style="list-style-type: none"> The student should have taken additional courses from more than one vertical of the same programme and earned a minimum of 18 credits. Should have passed all the courses in the first attempt. Should have earned a minimum of 7.50 CGPA. <p>(iii) B.E./B.Tech. (minor in other specialization)</p> <p>The student should have earned additionally a minimum of 18 credits in any one of the vertical of other B.E./B.Tech. programmes.</p> <p>2. Out of these 18 credits student can earn a maximum of 6 credits in online mode (NPTEL / SWAYAM platform) as approved by</p>	<p>4.12 B.E. / B. Tech. (Hons) and B.E. / B. Tech. minor with specialisation in another discipline.</p> <p>(i) B.E / B.Tech. (Hons.)</p> <ol style="list-style-type: none"> The students should have taken additional courses from a specified group of Professional Electives (vertical) or from any of the verticals of the same programme and earned a minimum of 18 credits. Should have passed all the courses prescribed in the curriculum and additional courses in the first attempt. Should have earned a minimum of 7.50 CGPA taking into account of all the courses prescribed in the curriculum and additional courses. <p>(ii) B.E./B.Tech. Minor with specialisation in another discipline</p> <p>The student should have earned additionally a minimum of 18 credits in any one of the verticals offered from Engineering Disciplines / Science and Humanities / Management</p> <p>1. For these 18 credits students can optionally enroll and study a maximum of 6 credits in online mode from SWAYAM- NPTEL platform (in addition to the three online courses permitted for courses of curriculum), as approved by the Head of the institution.</p> <p>2. B.E / B.Tech. (Hons.) and B.E./B.Tech.</p>
---	--


Prof. Dr. R. P. ANTO KUMAR, M.E., Ph.D.,
 Dean (Academics)
 Member Secretary (Academic Council)
 St. Xavier's Catholic College of Engineering
 Chunkankadai, Nagercoil - 629 003.

14-3-24
Dr. J. MAHESWARAN, M.E. Ph.D. FIE. MISTE,
 PRINCIPAL
 SLXAVIER'S CATHOLIC COLLEGE OF ENGINEERING
 CHUNKANKADAI
 NAGERCOIL - 629 003



<p>Dean(Academics).</p> <p>3. B.E./B.Tech.(Honours) specialisation in the same Discipline, B.E./B.Tech. Honours and B.E./B.Tech. Minor in other specialisation degree will be optional for students.</p> <p>4. For the categories 1 (i) and 1 (ii) the students shall be permitted to register for the courses from the V Semester onwards provided the students has earned a minimum CGPA 7.50 of until III Semester and has cleared all the courses in the first attempt.</p> <p>5. For the category 1 (iii) the students will be permitted to register for the courses from the V Semester onwards provided the marks earned by students until semester III is CGPA 7.50 and above.</p> <p>6. If a student decides not to opt for Honours, after completing certain number of additional courses, the additional courses studied shall be considered instead of the Professional Elective courses which are part of the curriculum. If the student has studied more number of such courses than the number of Professional Elective courses required as per curriculum, the courses with higher grades shall be considered for the calculation of CGPA. Remaining courses shall be printed in the mark sheet, however they will not be considered for the calculation of CGPA.</p> <p>7. If a student decides not to opt for Minor after completing certain number of courses, the</p>	<p>minor with specialisation in another discipline will be optional for students and the students shall be permitted to select any one of them only.</p> <p>3. For the categories 4.12 (i), the students, including Lateral Entry, shall be permitted to register for the courses from Semester V onwards provided the students have earned a minimum CGPA of 7.50 until Semester III and have cleared all the courses in the first attempt.</p> <p>4. For the category 4.12 (ii), the students, including Lateral Entry, will be permitted to register the courses from Semester V onwards provided the marks earned by the students until Semester III is CGPA 7.50 and above.</p> <p>5. B.E./B.Tech. (Hons.) or B.E./ B.Tech. Minor shall be offered by the Department irrespective of the number of students enrolled.</p> <p>6. If a student decides not to opt for Honours, after completing certain number of additional courses, such additional courses studied shall be considered instead of the Professional Elective courses which are part of the curriculum.</p> <p>If the student has studied more number of such courses than the number of Professional Elective courses required as per the curriculum, the courses with higher grades shall be considered for the calculation of CGPA. Remaining courses shall be printed in the grade sheet however, they will not be</p>
---	--


14/03/2024
Prof. Dr. R. P. ANTO KUMAR, M.E., Ph.D.,
Dean (Academics)
Member Secretary (Academic Council)
St. Xavier's Catholic College of Engineering
Chunkankadai, Nagercoil - 629 003.


14/3/24
Dr. J. MAHESWARAN, M.E. Ph.D. FIE. MISTE.
PRINCIPAL
ST. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING
CHUNKANKADAI
NAGERCOIL - 629 003



<p>additional courses studied shall be considered instead of the Open Elective courses which are part of the curriculum. If the student has studied more number of such courses than the number of Open Elective courses required as per curriculum, the courses with higher grades shall be considered for the calculation of CGPA. Remaining courses shall be printed in the mark sheet, however they will not be considered for the calculation of CGPA.</p>	<p>considered for calculation of CGPA and the same shall be indicated in a foot note appropriately.</p> <p>If the student has failed in the additional courses or faced shortage of attendance, they will not be printed in the grade sheet and will not be considered for CGPA calculation and classification of degree.</p> <p>7. If a student decides not to opt for Minor, after completing certain number of courses, the additional courses studied shall be considered instead of Open Elective courses which are part of the curriculum.</p> <p>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.</p> <p>Remaining courses shall be printed in the grade sheet, however, they will not be considered for calculation of CGPA and the same shall be indicated in a foot note appropriately.</p> <p>If the student has failed in the additional courses or faced shortage of attendance, they will not be printed in the grade sheet and will not be considered for CGPA calculation and classification of degree.</p> <p>The student has to enroll for these additional courses separately and pay a tuition fee for studying these six additional courses and pay</p>
---	--

Anto Kumar
14/03/24

Prof. Dr. R. P. ANTO KUMAR, M.E., Ph.D.,
Dean (Academics)

Member Secretary (Academic Council)
St. Xavier's Catholic College of Engineering
Chunkankadai, Nagercoil - 629 003.

Dr. J. Maheswaran
14.3.24
Dr. J. MAHESWARAN, M.E. Ph.D. FIE. MISTE,
PRINCIPAL
SLXAVIER'S CATHOLIC COLLEGE OF ENGINEERING
CHUNKANKADAI
NAGERCOIL - 629 003



		additional exam fee.
4.	<p>6. COURSE REGISTRATION</p> <p>6.1 The Head of the Department is responsible for registering the courses that each student is proposing to undergo in the ensuing semester. Each student has to register for all courses to be undergone in the curriculum of a particular semester.</p> <p>The registration details of the student shall be approved by the Head of the Institution and sent to the Controller of Examinations. This registration is for undergoing the course as well as for writing the end semester examinations.</p>	<p>6. COURSE REGISTRATION</p> <p>6.1 The Head of the Department is responsible for registering the courses that each student is proposing to undergo in the ensuing semester. Each student has to register for all courses to be undergone in the curriculum of a particular semester (with the facility to drop courses to a maximum of 6 credits (vid clause 6.3)). The courses dropped in earlier semesters can be registered in the subsequent semesters when offered.</p> <p>The registration details of the student shall be approved by the Head of the Institution and sent to the Controller of Examinations. This registration is for undergoing the course as well as for writing the end semester examinations.</p> <p>The courses that a student registers in a particular semester may include</p> <ol style="list-style-type: none"> Courses of the current semester. Courses dropped in the lower semesters. Courses registered for Honours and Minor. <p>The maximum number of credits that can be registered in a semester is 36. However, this does not include the number of Re-appearance (U) courses registered by the student for the appearance of Examination.</p>


 Prof. Dr. R. P. ANTO KUMAR, M.E., Ph.D.,
 Dean (Academics)
 Member Secretary (Academic Council)
 St. Xavier's Catholic College of Engineering
 Chunkankadai, Nagercoil – 629 003.


 Dr. J. MAHESWARAN, M.E. Ph.D. FIE. MISTE,
 PRINCIPAL
 SLXAVIER'S CATHOLIC COLLEGE OF ENGINEERING
 CHUNKANKADAI
 NAGERCOIL - 629 003

Page 10 of 24



5.	<p>6.2 Choice of Professional Elective Courses</p> <p>The Professional Elective Courses are listed in the curriculum in Table format as verticals (specialisation groups). A student can choose all the Professional Elective Courses either from one of the verticals or a combination of courses from all verticals in a semester.</p>	<p>6.2 Choice of Professional Elective Courses</p> <p>The professional Elective Courses are listed in the Curriculum in Table format as verticals (Specialisation groups). A student can choose all the Professional Elective Courses either from one of the verticals or a combination of courses from all verticals in a semester.</p> <p>For a professional elective course and open elective course, minimum number of students enrolment permitted shall be 10. However, the minimum number is not applicable for students enrolling B.E. / B. Tech. (Hons) and B.E. / B. Tech. Minor. For the offer of each professional elective at least two choices shall be offered.</p>
6.		<p>6.3 Flexibility to Add or Drop courses</p> <p>6.3.1 A student has to earn the total number of credits specified in the curriculum of the respective Programme of study in order to be eligible to obtain the degree.</p> <p>6.3.2 From the second to final semesters, the student has the option of dropping existing courses in a semester during registration. Total number of credits of such courses shall not exceed 6 per semester. The student is permitted to drop the course(s) within 30 days of the commencement of the academic schedule.</p> <p>6.3.3 From the V to VIII semesters, the student has the option of registering for additional courses in a semester. With regard to enrolling</p>

Prof. Dr. R. P. Anto Kumar
14/03/24

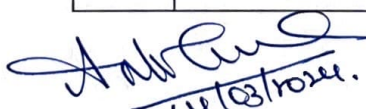
Prof. Dr. R. P. ANTO KUMAR, M.E., Ph.D.,
Dean (Academics)
Member Secretary (Academic Council)
St. Xavier's Catholic College of Engineering
Chunkankadai, Nagercoil - 629 003.


Dr. J. Maheswaran
14.3.24
Dr. J. MAHESWARAN, M.E. Ph.D. FIE. MISTE,
PRINCIPAL
SLXAVIER'S CATHOLIC COLLEGE OF ENGINEERING
CHUNKANKADAI
NAGERCOIL - 629 003

Page 11 of 24



		<p>for B.E. / B. Tech. (Hons) or B.E. / B. Tech. Minor</p> <p>6.3.4 The total number of credits that a student can add in a semester is limited to 6, subject to a maximum of 2 courses.</p> <p>Maximum number of credits enrolled in a semester (including Honours and Minor) shall not exceed 36. The online courses registered for B.E. / B. Tech. (Hons.) and B.E. / B. Tech. minor shall be over and above this 36 credits.</p>
7.	<p>12.4 PROJECT WORK / INTERNSHIP</p> <p>12.4.5 The last date for submission of the project / internship report is the last working day of the semester. If a student fails to submit the project / internship report on or before the specified deadline or the student has submitted the project/ internship report but did not appear for the viva-voce examination, it will be considered as "fail" in the project work and the student shall re-register for the same in the subsequent semester.</p>	<p>12.4 PROJECT WORK / INTERNSHIP</p> <p>12.4.5 The last date for submission of the project / internship report is on the last working day of the semester. If a student fails to submit the project / internship report on or before the specified deadline, it will be considered as fail in the Project Work / Internship and the student shall re-register for the same in the subsequent semester.</p>
8.	<p>12.6 Assessment For Value Added Courses</p> <p>One / two credit courses shall carry 100 marks and the performances of the students shall be evaluated at the end of the course. Two assessments as per the clause 12.1 or 12.2 shall be conducted by the department concerned. The total marks obtained in the assessments shall be reduced to 100 marks and rounded to the nearest integer.</p> <p>A committee consisting of the Head of the</p>	<p>12.6 Assessment For Value Added Courses</p> <p>The value added course shall carry 100 marks and shall be evaluated through continuous assessments only.</p> <p>Two Assessments shall be conducted during the semester by the Department concerned. The total marks obtained in the tests shall be reduced to 100 marks and rounded to the nearest integer.</p> <p>A committee consisting of the Head of the</p>

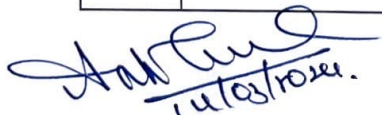

Prof. Dr. R. P. ANTO KUMAR, M.E., Ph.D.,
 Dean (Academics)
 Member Secretary (Academic Council)
 St. Xavier's Catholic College of Engineering
 Chunkankadgi, Nagercoil - 629 003.


Dr. J. MAHESWARAN, M.E. Ph.D. FIE. MISTE,
 PRINCIPAL
 ST. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING
 CHUNKANKADAI
 NAGERCOIL - 629 003

Page 12 of 24



	<p>Department, the staff-member handling the course and a senior faculty member nominated by the Head of the Institution shall do the evaluation process.</p> <p>The list of students along with the marks and the grades earned shall be forwarded to the Controller of Examinations for appropriate action at least one month before the commencement of end semester examinations.</p> <p>The grades earned by the students for value added courses will be recorded in the Grade Sheet, however the same shall not be considered for the computation of CGPA.</p>	<p>Department, staff handling the course and a senior faculty member nominated by the Head of the Institution shall do the evaluation process. The list of students along with the marks and the grades earned shall be forwarded to the Controller of Examinations for appropriate action at least one month before the commencement of End Semester Examinations.</p> <p>The grades earned by the students for Value Added Courses will be recorded in the Grade Sheet, however the same shall not be considered for the computation of CGPA.</p>
9.	<p>12.7 Assessment For Online Courses</p> <p>Students may be permitted to have two online certificate courses subject to a maximum of six credits. The online course of 3 credits can be considered instead of one elective course.</p> <p>These online courses shall be chosen from the NPTEL/SWAYAM platform, provided the offering organization conducts regular examinations and provides marks.</p> <p>The credits earned shall be transferred and the marks earned shall be converted into grades and transferred, provided the student has passed in the examination as per the norms of the offering organization.</p> <p>The details regarding online courses taken up by the student and marks/credits earned and the approval for the course from the Head of the Institution shall be sent to the Controller of</p>	<p>Dropped</p>


Prof. Dr. R. P. ANTO KUMAR, M.E., Ph.D.,
 Dean (Academics)
 Member Secretary (Academic Council)
 St. Xavier's Catholic College of Engineering
 Chunkankadai, Nagercoil - 629 003.


Dr. J. MAHESWARAN, M.E. Ph.D. FIE. MISTE,
 PRINCIPAL
 SLXAVIER'S CATHOLIC COLLEGE OF ENGINEERING
 CHUNKANKADAI
 NAGERCOIL - 629 003

Page 13 of 24



	Examinations, in the subsequent semester(s) along with the details of the elective(s) to be dropped.	
10.	14. PASSING REQUIREMENTS 14.4 If a student is absent during the viva - voce examination, it would be considered as 'fail'. If a student fails to secure a pass in project work/ internship, the student shall register for the course again in the subsequent semester.	14. PASSING REQUIREMENTS 14.4 If a student has submitted the project report but absent in the end semester examination of project work, the student is deemed to be failed. In this case and also if a student attends and fails in the End semester examination of Project work of B.E. / B.Tech, he/she shall attend end semester examination again within 60 days from the date of declaration of the results. The subsequent viva-voce examination will be considered as reappearance with payment of exam fee. In case, the student fails in the subsequent viva-voce examination also, the student shall redo the course again, when offered next.
11.	14.5 The passing requirement for the courses which are assessed only through purely internal assessments (EEC courses except Project Work and laboratory), is 50% of the internal assessment (continuous assessment) marks only.	14.5 The passing requirement for the courses which are assessed only through purely internal assessments (EEC except Project Work and laboratory) and Mandatory courses is 50% of the internal assessment (continuous assessment) marks only.
12.	15 AWARD OF LETTER GRADES 15.1.2 Absolute Grading <ul style="list-style-type: none"> For all the courses, if the students' strength is less than or equal to 30, then the absolute grading shall be followed 	15 AWARD OF LETTER GRADES 15.1.2 Absolute Grading <ul style="list-style-type: none"> In all the courses, if the number of students who have passed the course is less than or equal to 30 then absolute

	<p>with the grade range as specified in the Table.</p> <ul style="list-style-type: none">For the Project Work / Internship and Laboratory Courses absolute grading procedure shall be followed as given in the Table. <p>Table – Grade range for absolute grading</p> <table><tr><th>O</th><th>A+</th><th>A</th><th>B+</th><th>B</th><th>C</th><th>U</th></tr><tr><td>91-100</td><td>81-90</td><td>71-80</td><td>61-70</td><td>56-60</td><td>50-55</td><td><50</td></tr></table>	O	A+	A	B+	B	C	U	91-100	81-90	71-80	61-70	56-60	50-55	<50	<p>grading shall be followed with the grade range as specified in the Table.</p> <ul style="list-style-type: none">❖ For the Project Work / Internship and Laboratory Courses, absolute grading procedure shall be followed as given in the Table below irrespective of the number of students who have passed the course. <p>Table – Grade range for absolute grading</p> <table><tr><th>O</th><th>A+</th><th>A</th><th>B+</th><th>B</th><th>C</th><th>U</th></tr><tr><td>91-100</td><td>81-90</td><td>71-80</td><td>61-70</td><td>56-60</td><td>50-55</td><td><50</td></tr></table>	O	A+	A	B+	B	C	U	91-100	81-90	71-80	61-70	56-60	50-55	<50
O	A+	A	B+	B	C	U																								
91-100	81-90	71-80	61-70	56-60	50-55	<50																								
O	A+	A	B+	B	C	U																								
91-100	81-90	71-80	61-70	56-60	50-55	<50																								
13.	<p>15.4 For the students who complete the Mandatory Course satisfying attendance requirement, the title of the Mandatory course will be mentioned in the grade sheet.</p>	<p>15.4 is Dropped</p>																												
14.	<p>15.5 GRADE SHEET</p> <p>After results are declared, grade sheets will be issued to each student which will contain the following details:</p> <ul style="list-style-type: none">★ The college and the affiliating university in which the student has studied★ The list of courses registered during the semester and the grades scored★ The Grade Point Average (GPA) for the semester and★ The Cumulative Grade Point Average (CGPA) of all courses enrolled from first semester onwards	<p>15.5 GRADE SHEET</p> <p>After results are declared, Grade Sheets will be issued to each student which will contain the following details:</p> <ul style="list-style-type: none">❖ The college in which the student has studied❖ List of courses studied including for Hons., minor and any other additional courses in which the student has passed with the grades under the title additional courses.❖ The Grade PointAverage (GPA) for the semester considering only the courses of curriculum (not the additional courses)																												

<p>GPA for a semester is the ratio of the sum of the products of the number of credits acquired for courses and the corresponding points to the sum of the number of credits acquired for the courses in the semester.</p> <p>CGPA will be calculated in a similar manner, considering all the courses registered from the first semester. RA grades will be excluded for calculating GPA and CGPA.</p> $\text{GPA / CGPA} = \frac{\sum_{i=1}^N C_i GP_i}{\sum_{i=1}^N C_i}$ <p>where</p> <p>C_i is the number of credits assigned to the course.</p> <p>GP_i is the point corresponding to the grade obtained for each course.</p> <p>n is the number of all courses successfully cleared during the particular semester in the case of GPA and during all the semesters in the case of CGPA.</p>	<p>and</p> <ul style="list-style-type: none"> ❖ The Cumulative Grade Point Average (CGPA) of all courses registered from first semester onwards considering only the courses of curriculum (not the additional courses). However, for the students who have successfully completed the requirements of B.E. / B. Tech. (Hons) and B.E. / B.Tech. Minor vide Clause 4.12, grades scored in the six additional courses shall be taken into account for the computation of CGPA. <p>During each semester, the list of curricular courses (not the additional courses) registered and the grades scored in each course are used to compute the Grade Point Average (GPA).</p> <p>GPA is the ratio of the sum of the products of the number of credits of curricular courses (not the additional courses) registered and the grade points corresponding to the grades scored in those courses, taken for all the courses, to the sum of the number of credits of all the courses in the semester.</p> <p>U grades will be excluded for calculating GPA and CGPA.</p>
---	--



Prof. Dr. R. P. ANTO KUMAR, M.E., Ph.D.,
 Dean (Academics)
 Member Secretary (Academic Council)
 St. Xavier's Catholic College of Engineering
 Chunkankadai, Nagercoil – 629 003.



Dr. J. MAHESWARAN, M.E. Ph.D. FIE. MISTE,
 PRINCIPAL
 SLXAVIER'S CATHOLIC COLLEGE OF ENGINEERING
 CHUNKANKADAI
 NAGERCOIL - 629 003

Page 16 of 24



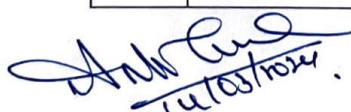
		$\frac{\sum_{i=1}^N C_i GP_i}{\sum_{i=1}^N C_i}$ <p>GPA / CGPA = -----</p> <p>where</p> <p>C_i is the number of credits assigned to the course.</p> <p>GP_i is the point corresponding to the grade obtained for each course.</p> <p>N is the number of all courses successfully cleared during the particular semester in the case of GPA and during all the semesters in the case of CGPA.</p>
15.		15.5.1 If a student studies more number of professional and open electives than required as per the student's programme curriculum, the calculation of final CGPA shall be as per 4.12.6 and 4.12.7.
16.		15.5.2 If a student successfully completes all the requirements of the programme and also meets the requirements of B.E. / B. Tech. (Hons) or B.E. / B. Tech. Minor but desires not to opt for the additional qualification, then he/she has to submit a declaration with regard



 14/03/2024.
Prof. Dr. R. P. ANTO KUMAR, M.E., Ph.D.,
 Dean (Academics)
 Member Secretary (Academic Council)
 St. Xavier's Catholic College of Engineering
 Chunkankadai, Nagercoil – 629 003.


 14.3.24
Dr. J. MAHESWARAN, M.E. Ph.D. FIE. MISTE,
 PRINCIPAL
 ST. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING
 CHUNKANKADAI
 NAGERCOIL - 629 003



		to the same 30 days before the completion of semester VIII.
17.		<p>15.5.3 In the consolidated grade sheet the CGPA earned shall be converted into percentage of marks as follows:</p> <p>Percentage of Marks = CGPA X 10.</p>
18.	<p>16.2 CLASSIFICATION OF THE DEGREE AWARDED</p> <p>16.2.1 First Class With Distinction</p> <p>A student who satisfies the following conditions shall be declared to have passed the examination in first class with distinction:</p> <p>Table given as annexure 1</p>	<p>16.2 CLASSIFICATION OF THE DEGREE AWARDED</p> <p>16.2.1 First Class With Distinction:</p> <p>A student who satisfies the following conditions shall be declared to have passed the examination in First class with Distinction:</p> <ul style="list-style-type: none"> • Should have passed the examination in all the courses of all the eight semesters (6 semesters in the case of Lateral Entry) in the student's First Appearance within five years (Four years in the case of Lateral Entry). • 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 in any of the courses of the Curriculum making up the total credit requirement. • A student who satisfies norms given in


Prof. Dr. R. P. ANTO KUMAR, M.E., Ph.D.,
 Dean (Academics)
 Member Secretary (Academic Council)
 St. Xavier's Catholic College of Engineering
 Chunkankadai, Nagercoil - 629 003.



Dr. J. MAHESWARAN, M.E. Ph.D. FIE. MISTE,
 PRINCIPAL
 ST. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING
 CHUNKANKADAI
 NAGERCOIL - 629 003

Page 18 of 24



		<p>clause 4.12 becomes eligible for classification of the degree with B.E./B.Tech. (Hons) and B.E./B.Tech. minor.</p> <p>Details are provided in Table given as annexure 2</p>
19.	<p>16.2.2 First Class</p> <p>A student who satisfies the following conditions shall be declared to have passed the examination in First Class:</p> <p>Table given as annexure 3</p>	<p>16.2.2 First Class:</p> <p>A student who satisfies the following conditions shall be declared to have passed the examination in First class:</p> <ul style="list-style-type: none"> • Should have passed the examination in all the courses of all eight semesters (6 semesters in the case of Lateral Entry) within five years (within 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. • A student who satisfies norms given in clause 4.12 becomes eligible for classification of the degree with B.E./B.Tech. (Honours) and B.E./B.Tech. minor.


Prof. Dr. R. P. ANTO KUMAR, M.E., Ph.D.,
 Dean (Academics)
 Member Secretary (Academic Council)
 St. Xavier's Catholic College of Engineering
 Chunkankadai, Nagercoil – 629 003.


Dr. J. MAHESWARAN, M.E. Ph.D. FIE. MISTE
 PRINCIPAL
 SLXAVIER'S CATHOLIC COLLEGE OF ENGINEERING
 CHUNKANKADAI
 NAGERCOIL - 629 003

Page 19 of 24



		Details are provided in Table given as annexure 4.
20.	16.2.3 Second Class B.E. / B.Tech Regular, Lateral Entry and B.E./B.Tech. Minor in other specialization degree students (not covered in clauses 16.2.1 and 16.2.2) who qualify for the award of the degree (vide clause 16.1) shall be declared to have passed the examination in Second Class.	16.2.3 SECOND CLASS: Students who pursue B.E./B.Tech. in Regular mode or lateral entry mode or B.E./B.Tech. minor in specialisation of another discipline and who are not covered in clauses 16.2.1 and 16.2.2 and who qualify for the award of the degree (vide Clause 16.1) shall be declared to have passed the examination in Second Class.
21.		16.2.4 A student who is absent in the End Semester Examination in a course / project work after having registered for the same shall be considered to have appeared in that examination for the purpose of classification.
22.	16.2.4 Student earned additional 18 credits as per Clause 4.12 (i) and (ii) but does not satisfy the conditions mentioned in 16.2.1 or 16.2.2 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 as per Clause 4.12 (6,7).	16.2.5 Student earned additional 18 credits as per Clause 4.12 (i) and (ii) but does not satisfy the conditions mentioned in 16.2.1 or 16.2.2 shall not be awarded B.E./B.Tech.(Hons.) In such case if the student becomes eligible for First Class, while computing CGPA with the Professional Elective / Open Elective courses with higher grades the student shall be awarded B.E. / B.Tech. in First Class only.


Prof. Dr. R. P. ANTO KUMAR, M.E., Ph.D.,
Dean (Academics)
Member Secretary (Academic Council)
St. Xavier's Catholic College of Engineering
Chunkankadai, Nagercoil - 629 003.


Dr. J. MAHESWARAN, M.E. Ph.D. FIE. MISTE,
PRINCIPAL
ST. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING
CHUNKANKADAI
NAGERCOIL - 629 003

Page 20



Annexure 1

16.2.1 First Class with Distinction

Degree (i)	Duration of programme (ii)	Duration permitted (iii)	Additional credits above the requirement of curriculum (iv)	CG PA (v)	Pass in (vi)	Break of study (vii)	Prevention due to lack of attendance
B.E. / B.Tech (Regular)	4 Years	5 Years	-	8.5	First attempt	One year authorized Break of study included in the duration permitted (iii)	Not permitted
B.E. / B.Tech (Lateral Entry)	3 Years	4 Years	-	8.5	First attempt	One year authorized Break of study included in the duration permitted (iii)	Not permitted
B.E./B.Tech. (Honours) Specialisation in the same discipline	3 / 4 Years (Lateral Entry / Regular)	4 / 5 Years (Lateral Entry/ Regular)	18 credits from any one vertical of the same programme	8.5	First attempt	One year authorized Break of study included in the duration permitted (iii)	Not permitted
B.E./B.Tech. (Honours)	3 / 4 Years (Lateral Entry / Regular)	4 / 5 Years (Lateral Entry / Regular)	18 credits from more than one vertical of the same programme	8.5	First attempt	One year authorized Break of study included in the duration permitted (iii)	Not permitted
B.E./B.Tech. Minor in other specialization	3 / 4 Years (Lateral Entry / Regular)	4 / 5 Years (Lateral Entry / Regular)	18 credits from any one vertical of the other programme	8.5	First attempt	One year authorized Break of study included in the duration permitted (iii)	Not permitted


 12/03/2024.
Prof. Dr. R. P. ANTO KUMAR, M.E., Ph.D.,
 Dean (Academics)
 Member Secretary (Academic Council)
 St. Xavier's Catholic College of Engineering
 Chunkankadai, Nagercoil – 629 003.



 14.3.24
Dr. J. MAHESWARAN, M.E. Ph.D. FIE. MISTE,
 PRINCIPAL
 ST. XAVIER'S CATHOLIC COLLEGE OF ENGINEERING
 CHUNKANKADAI
 NAGERCOIL - 629 003



Annexure 2

16.2.1 First Class with Distinction

Degree (i)	Duration of programme (ii)	Duration permitted (iii)	Additional credits above the requirement of curriculum (iv)	CG PA (v)	Pass in (vi)	Break of study (vii)	Prevention due to lack of attendance
B.E. / B.Tech (Regular)	4 Years	5 Years	-	8.5	First attempt	One year authorized Break of study included in the duration permitted (iii)	Not permitted
B.E. / B.Tech (Lateral Entry)	3 Years	4 Years	-	8.5	First attempt	One year authorized Break of study included in the duration permitted (iii)	Not permitted
B.E./B.Tech. (Honours)	3 / 4 Years (Lateral Entry / Regular)	4 / 5 Years (Lateral Entry / Regular)	18 credits from more than one vertical of the same programme	8.5	First attempt	One year authorized Break of study included in the duration permitted (iii)	Not permitted
B.E./B.Tech. Minor	3 / 4 Years (Lateral Entry / Regular)	4 / 5 Years (Lateral Entry / Regular)	18 credits from any one vertical of the other programme	8.5	First attempt	One year authorized Break of study included in the duration permitted (iii)	Not permitted


Prof. Dr. R. P. ANTO KUMAR, M.E., Ph.D.,
 Dean (Academics)
 Member Secretary (Academic Council)
 St. Xavier's Catholic College of Engineering
 Chunkankadai, Nagercoil – 629 003.


Dr. J. MAHESWARAN, M.E. Ph.D. FIE. MISTE,
 PRINCIPAL
 St. Xavier's Catholic College of Engineering
 CHUNKANKADAI
 NAGERCOIL - 629 003



Annexure 3

16.2.2 First Class

Degree (i)	Duration of programme (ii)	Duration permitted (iii)	Additional credits above the requirement of curriculum (iv)	CG PA (v)	Pass in (vi)	Break of study (vii)	Prevention due to lack of attendance
B.E. / B.Tech (Regular)	4 Years	5 Years	-	6.5	-	One year authorized Break of study included in the duration permitted (iii)	included in the duration permitted (iii)
B.E. / B.Tech (Lateral Entry)	3 Years	4 Years	-	6.5	-	One year authorized 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 Years (Lateral Entry/)	4 / 5 Years (Lateral Entry / Regular)	18 credits from any one vertical of the same programme	7.5	First attempt	One year authorized Break of study included in the duration permitted (iii)	Not permitted
B.E./B. Tech. (Honours)	3 / 4 Years (Lateral Entry / Regular)	4 / 5 Years (Lateral Entry / Regular)	18 credits from more than one vertical of the same programme	7.5	First attempt	One year authorized Break of study included in the duration permitted (iii)	Not permitted
B.E./B. Tech. minor in other specialization	3 / 4 Years (Lateral Entry / Regular)	4 / 5 Years (Lateral Entry / Regular)	18 credits from any one vertical of the other programme	6.5	-	One year authorized Break of study included in the duration permitted (iii)	included in the duration permitted (iii)

Antony
Antony
Prof. Dr. R. P. ANTO KUMAR, M.E., Ph.D.,
 Dean (Academics)
 Member Secretary (Academic Council)
 St. Xavier's Catholic College of Engineering
 Chunkankadai, Nagercoil – 629 003.

Chinn
14.3.14
Dr. J. MAHESWARAN, M.E. Ph.D. FIE. MISTE,
 PRINCIPAL
 SLXAVIER'S CATHOLIC COLLEGE OF ENGINEERING
 CHUNKANKADAI
 NAGERCOIL - 629 003




Annexure 4

16.2.2 First Class

Degree (i)	Duration of programme (ii)	Duration permitted (iii)	Additional credits above the requirement of curriculum (iv)	CGP A (v)	Pass in (vi)	Break of study (vii)	Prevention due to lack of attendance
B.E. / B.Tech (Regular)	4 Years	5 Years	-	6.5	-	One year authorized Break of study included in the duration permitted (iii)	included in the duration permitted (iii)
B.E. / B.Tech (Lateral Entry)	3 Years	4 Years	-	6.5	-	One year authorized Break of study included in the duration permitted (iii)	included in the duration permitted (iii)
B.E./B. Tech. (Honours)	3 / 4 Years (Lateral Entry / Regular)	4 / 5 Years (Lateral Entry / Regular)	18 credits from more than one vertical of the same programme	7.5	First attempt	One year authorized Break of study included in the duration permitted (iii)	Not permitted
B.E./B. Tech. minor	3 / 4 Years (Lateral Entry / Regular)	4 / 5 Years (Lateral Entry / Regular)	18 credits from any one vertical of the other programme	6.5	-	One year authorized Break of study included in the duration permitted (iii)	included in the duration permitted (iii)


Prof. Dr. R. P. ANTO KUMAR, M.E., Ph.D.,
 Dean (Academics)
 Member Secretary (Academic Council)
 St. Xavier's Catholic College of Engineering
 Chunkankadai, Nagercoil – 629 003.


Dr. J. MAHESWARAN, M.E. Ph.D. FIE. MISTE,
 PRINCIPAL
 SLXAVIER'S CATHOLIC COLLEGE OF ENGINEERING
 CHUNKANKADAI
 NAGERCOIL - 629 003

