Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**XAVIER INSTITUTE OF ENGINEERING**
Name of the head of the Institution	**Y. D. Venkatesh**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**02224460359**
Mobile no.	**9820198029**
Registered Email	**office@xavierengg.com**
Alternate Email	**ydvenkatesh@yahoo.com**
Address	**Xavier Institute of Engineering, Opposite S L Raheja Hospital, Mahim Causeway, Mahim West**
City/Town	**Mumbai**
State/UT	**Maharashtra**
Pincode	**400016**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Fr.Fabian Barreto S.J**
Phone no/Alternate Phone no.	**02224451961**
Mobile no.	**9833916407**
Registered Email	**frfabiansj@xavier.ac.in**
Alternate Email	**office@xavier.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	[first AQAR](#)

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.xavier.ac.in/Academic%20Calendar.php

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B+	2.63	2019	01-Apr-2019	31-Mar-2024

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**18-Dec-2018**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Computer Assembly Workshop conducted by	**08-Feb-2019** **1**	**61**

students of CSX		
Web Development Workshop conducted by students of CSX	02-Mar-2019 2	41
Web Animation and Adobe Illustrator Workshop conducted by students of CSX	16-Mar-2019 2	29
Wireless Sensor Networks	04-Jan-2019 2	26
AICTE-ISTE STTP ON	03-Jan-2019 7	20
6 days STTP on Enterprise Network Design & Infrastructure Security	24-Jun-2019 6	23
Project Exhibition by IT department	15-Mar-2019 1	96
Python Lab Project Exhibition by IT department	18-Apr-2019 1	96
Web Development Project Exhibition by IT department	06-Nov-2018 1	68
Regular meetings of Internal IQAC	24-Dec-2018 1	15

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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Prof. Tejal Deshpande	Minor Research Grant	University of Mumbai	2019 365	0.3
Prof. Chhaya Narvekar	Minor Research Grant	University of Mumbai	2019 365	0.15
Prof. Manali Tayade	Minor Research Grant	University of Mumbai	2019 365	0.3
[View Uploaded File](#)				

9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	[View Link](#)

10. Number of IQAC meetings held during the year :	**2**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View Uploaded File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

12. Significant contributions made by IQAC during the current year(maximum five bullets)

1.Conducting industrial visits, workshops, and conferences to learn about the latest developments in different Engineering domains and thus pursue learning in recent areas of research and technology. 2.Organise miniproject exhibition for each semester even though the same was not there in the curriculum. 3.Encouraging students to conduct activities under Computer Society of Xavierites (CSX). 4.ISTE Chapter Inaugurated

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
Conduction of Workshops in latest areas of technology	**Achieved**
Organize mini project exhibitions	**Student presentation skills were enhanced**
Inauguration of ISTE Chapter	**Activities planned for the next Academic year**
Encouraging student activities under Computer Society of Xavierites(CSX)	**Workshops were conducted by peers for knowledge sharing**
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14. Whether AQAR was placed before statutory body ?	**No**
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**Yes**
Date of Visit	**29-Mar-2019**

16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2018**
Date of Submission	**31-Dec-2018**
17. Does the Institution have Management Information System ?	**Yes**
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**Tally is used by accounts section. Exam cell has a standard template to produce marksheets of University examinations of SE/TE.**

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Our Institute XIE is affiliated to University of Mumbai and the curriculum and syllabi are prescribed by the university that are to be strictly adhered to. The institution has a well-developed system for effective implementation of the scheme of the curriculum. Teaching Learning Process is based on proper planning and effective delivery of Lecture / Practical / Tutorial as per the time table, following the academic calendar. In case of any shortcoming due to unavoidable circumstances, necessary changes are made in consultation with HODs. Learning process of students is monitored by the faculty members on the basis of continuous evaluation. Class teachers of each class monitor the academic development of students. Faculty Meetings are held at least twice in a semester with the Director and Principal. Academic calendar and time-table are prepared and displayed least fifteen days before the commencement of the semester on the Institute website and notice boards. FE orientation programme is organized to promote congenial and healthy atmosphere among FE students who are newly admitted along with their parents. Teaching – Learning process in the institute is followed with a student centric method of teaching. ICT is used extensively to ensure effective delivery of curriculum. All the classrooms are equipped with laptop, LCD projector and a screen besides the conventional blackboards. Faculty members conduct the lectures and practicals as per the time-table. Course material is uploaded on the Moodle server that enables students to see and prepare on the lectures that take place in class. Attendance and progress of the students are regularly monitored and informed to parents, necessary actions are taken on those having less than 75% attendance. Internal assessment test-I is conducted after 40% coverage of syllabus. Internal assessment test-II is conducted after 70 % coverage of syllabus. End semester examination is conducted by the University. Well defined program outcomes and course outcomes aid in providing direction to teaching and other activities. Guest lectures, seminars, Industrial visits and training programmes are supplements to the curricular inputs. Students are encouraged in carrying out research work and present papers in seminars and conferences and publish papers in journals. Each teacher is allotted with 20 students for monitoring and in the time – table, one slot is provided for mentoring.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year					
Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
No Data Entered/Not Applicable !!!					

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	COMPUTER ENGINEERING	05/05/2018
BE	EXTC	05/05/2018
BE	IT	05/05/2018
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	COMPUTER ENGINEERING	03/07/2018
BE	IT	03/07/2018
BE	EXTC	03/07/2018

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	0	0

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
IoT Basics	28/08/2018	15
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	COMPUTER ENGINEERING	5
BE	IT	1
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	No
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
The Institute takes the feedback from the stake-holders such as students, alumni, faculty and parents at regular intervals. The feedback from the students is first taken after the completion of four weeks and again at the end of the semester. Interim feedback helps to modify the teaching process of the course being taught if it is required. Students give feedback on the quality of teaching based on the instructors communication skills and knowledge in the subject once at the semester end. This shall remain confidential and is only intimated to the respective faculty during a meeting by the Director and the Principal. BE Program Exit Feedback is taken from final year graduating students based on the program outcomes of their respective specialization. Student Facility feedback is also taken from the students to know more about their views on different basic facilities available in the Institute such as library, study materials, water supply, sanitation, power supply, canteen, etc. provided by the college. The institution is always ready to improvise on the facilities provided to the students. Institution also analyses feedback taken from the teachers once in a year on the syllabi, facilities provided such as library, internet, laboratories and other support systems. This helps to improve the academic performances of the students by enriching them with new advanced techniques used by the teachers. The contents covered beyond the syllabus encourage them towards research and life-long learning. Institution seeks feedback from Alumni in order to improve the quality of its academic programmes and enhance its credibility. This often helps in selecting appropriate add – on programmes. Alumni can give their feedback anytime during the year. However, feedback is analysed once in a year. Institution also takes feedback from parents once in a year pertaining to infrastructure, facilities and support systems. Parents can give feedback either using online or using printed forms available with class teachers as and when they visit the institution.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	COMP	63	285	63
BE	EXTC	63	37	57
BE	IT	63	285	63
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	183	0	46	0	0

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
46	46	5	9	0	4

View File of ICT Tools and resources

View File of E-resources and techniques used

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

The purpose of the mentoring system is to monitor students concerning their academic, professional and personal well being. Every student is assigned to a faculty member who shall mentor the student till he/she completes his/her course. For effective mentoring and for the welfare of the students, 18 to 20 students are allocated to a faculty mentor. Mentors are Allocated from Applied Science and Humanities Department in their First Year and from Second Year department wise Mentors are allocated in the year 2018-19.Mentors monitor the mentee with respect to punctuality, attendance, academic performance and others. A mentoring booklet is maintained for every student to share pertinent information like Personal Information, academic performance, projects, etc. Students are counselled twice in a semester, preferably after first and second internal assessment tests. However, they can be met by their mentors at any point of time and discuss on their progress. Problems (if any) are suitably addressed. Mentors also identifies students performance and capability based on Extra curricular and Co-Curricular activities. They are encouraged to participate in various grounds activities and showcase their leadership and ability to work together in groups. The suggestions are given by the mentors to the students to improve his/her academic performance. Mentor follows the student's progress regularly, advising them to overcome the difficulties in the learning processes. One of the motto of mentoring is to identify any personal problems and try to counsel on same front. Also discipline is developed. The college also endeavors to look after the total personality development of students through Co-Curricular and extracurricular activities through proper counselling.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
864	46	1:19

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
46	46	0	4	6

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. Y.D.Venkatesh	Principal	Convenor of Local Inquiry Committee team, Don Bosco Institute of Technology.
2019	Dr. Y.D.Venkatesh	Principal	Conducted LIC inspection for MCA Dept, Late Bhausaheb Hiray

			S.S.Trusts Institute of Computer Application,Bandra(E)
2018	Dr. Y.D.Venkatesh	Principal	Subject expert in conducting faculty interviews at different colleges of Engineering
2018	Dr. Suprava Patnaik	Professor	Subject Board Meeting, Department of Electronics Engineering, K.J. Somaiya College of Engineering
2018	Dr. Y.D.Venkatesh	Principal	Member in the Interview panel of Don Bosco Institute of Technology
2019	Dr. Y.D.Venkatesh	Principal	Subject expert who conducted faculty interviews at St.John College of Engineering and Management
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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	1T01018	BE (Sem VIII) EXTC	07/05/2019	06/07/2019
BE	1T00718	BE (sem VIII) COMP	07/05/2019	04/07/2019
BE	1T01218	BE (Sem VIII) I.T.	07/05/2019	03/07/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The institute is making all efforts to improve the performance of students by framing and implementing reforms in the Continuous Internal evaluation process. The reforms made are as follows: 1.Remedial classes are taken by conducting tutorials to clarify doubts and re-explaining all the critical topics. 2.Viva is taken before allowing students to conduct practicals. 3. Students are encouraged to solve previous years University Exam question papers and their answers are discussed in the class. 4.B.E. project evaluation is carried in regular intervals. 5.For First Year students prelim exams are conducted prior to University Exams. 6.MOODLE Learning Management System is available for the students to go through the lecture slides and other teaching materials. Link -

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The academic year starts as prescribed by Mumbai University. The university publishes the academic calendar containing plans for curricular and co-curricular activities(sometimes in advance). The institution's academic calendar is prepared in concurrence with the University calendar. The academic calendar is made available to all faculties before the commencement of the semester. Lesson plans are prepared based on the academic calendar. The lesson plan comprises of content, learning aid and methodology, approach towards the course outcomes. The academic calendar of the Institute includes schedule of curricular activities, technical events, class tests, submission of defaulter lists, list of holidays and extracurricular activities. The institution adheres to the academic calendar and conducts Internal Evaluation. The adherence in conducting the Internal Examination is monitored by the Academic Committee of each Department. Faculty adheres to the planned dates while conducting the Internal Assessment Tests and publication of results. The laboratory Schedule is prepared by the timetable committee and batch-wise details are specified in the laboratory schedule. Time Table of regular lectures for the semester is prepared and displayed on the notice board and website. In case of poor performance by any student, his/her parent are called for a meeting and requested to monitor and encourage the student's confidence.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

https://www.xavier.ac.in/NAAC%20CriteriaII.php

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
1T01218	BE	IT	79	79	100
1T00718	BE	COMP	94	93	98.94
1T01018	BE	EXTC	80	70	87.5
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

https://www.xavier.ac.in/NAAC%20CriteriaII.php

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year

Minor Projects	365	University of Mumbai	0.3	0.3
Minor Projects	365	University of Mumbai	0.15	0.15
Minor Projects	365	University of Mumbai	0.3	0.3

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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
No Data Entered/Not Applicable !!!		

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
No Data Entered/Not Applicable !!!				
No file uploaded.				

3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	1	0

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
No Data Entered/Not Applicable !!!	

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
National	COMPUTER ENGINEERING	30	Nill
National	EXTC	25	Nill
National	IT	26	Nill

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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
COMPUTER ENGINEERING	1
EXTC	2

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						
No file uploaded.						

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	1	33	0	0
Resource persons	0	0	1	3

3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
MANOR Outreach Program	Xavier Institute of Engineering	1	11
MANOR Outreach Program	Xavier Institute of Engineering	1	4

3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
No Data Entered/Not Applicable !!!			
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites

Swachchha Bharat	Xavier Institute of Engineering and SL Raheja Hospital	Swachchha Bharat Abhiyaan	5	52
View File				

3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
AI Summer camp(HU)	Kunal Meher	Self	25
View File			

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Student Exchange	Please see the attached file	Nill	Nill	7
View File					

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
MARQUETTE UNIVERSITY	13/12/2018	Motion Analysis (Gait) Laboratory	2
View File			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
152	137.68

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Others	Nill
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Number of important equipments	Newly Added

purchased (Greater than 1-0 lakh) during the current year	
Video Centre	Nill
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
SLIM-21	Partially	3.3.0 of 2016	2010

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	12683	3302727	187	74672	12870	3377399
Reference Books	576	Nill	Nill	Nill	576	Nill
e-Books	Nill	Nill	Nill	Nill	Nill	Nill
Journals	10	24074	2	0	12	24074
e-Journals	275	694475	0	0	275	694475
Digital Database	Nill	Nill	Nill	Nill	Nill	Nill
CD & Video	747	Nill	Nill	Nill	747	Nill
Library Automation	1	162000	Nill	Nill	1	162000
Weeding (hard & soft)	Nill	Nill	Nill	Nill	Nill	Nill
Others(specify)	Nill	Nill	Nill	Nill	Nill	Nill
View File						

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content

NIL	NIL	NIL	Nill

No file uploaded.

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	448	294	448	366	72	17	52	40	13
Added	175	174	175	174	0	1	0	0	0
Total	623	468	623	540	72	18	52	40	13

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

40 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
NIL	Nill

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
116.31	100.43	168.31	165.02

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The Institute has an Administrative Department where the Admin Executive and junior admin executive monitor the day to day cleaning. There are contract workers for electric maintenance and repairs. Institute has an electrician and an assistant electrician who look into all electric related works. For any major civil maintenance the trust will hire people such as civil contractors to take care of it. Adequate in-house and contract workers are employed to take care of hygiene, cleanliness of the campus so as to provide a healthy environment. Over and above, the contract workers and the peons also contribute in maintaining the cleanliness of the college. Classrooms, Labs, Seminar hall, etc. are cleaned and maintained regularly by these workers. Wash rooms are well maintained. Garden and plants are well maintained for which two workers are separately appointed as Garden Attendants. The Garden is well maintained and plants are watered regularly. The maintenance and working condition of all properties/equipment on the campus is ensured through Annual maintenance contracts (AMC) for the elevators, intercoms, air conditioners, water purifiers and water coolers. Students and faculty members are provided with separate login credentials to access the internet. Access to the internet is available in the lab even after college working hours. Apart from the regular lab classes, students are offered value added courses through which they can practice and learn programming languages. Lab Assistants work under the

supervision of the System administrator and maintain the machines efficiently. If the problem is very minor, the technical support staff of the lab will rectify them. For any major failures, the support of vendors shall be taken. Periodic maintenance is carried out by regularly cleaning the labs, equipment updating all the software.

https://www.xavier.ac.in/Infrastructure%20Facilities.php

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Nill	Nill	Nill
Financial Support from Other Sources			
a) National	SC/ST, OBC, VJNT, Minority , EBC	214	11335149
b)International	NIL	Nill	Nill
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Please see the attached file	Nill	1411	Please see attached file
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2018	Career counselling, bridge courses, soft skill development	Nill	252	Nill	141
2018	Aptitude test, NPTEL courses	29	Nill	22	Nill
View File					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal

| 1 | 1 | 5 |

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
Please see the attached file	1384	141	Please see the attached file	Nill	14
View File					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	15	Please see attached file	Please see attached file	Please see attached file	Please see attached file
View File					

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	3
GRE	8
TOFEL	2
Any Other	10
View File	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Please see attached file	Please see attached file	266
View File		

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	Nil	Nill	Nill	Nill	Nill	Nil
View File						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The aim of forming Students' Council (SC) is to involve the students in academic, co-curricular extracurricular activities. Through these activities, the council members learn planning, organization, analysis, estimation and execution along with trouble shooting, which help in their comprehensive development. The SC members are elected by the college for the posts of General Secretary, Assistant General Secretary, and Secretary Assistant Secretary for various events like Technical, Cultural, Sports and outreach programs. In addition, the Institute has various other committees such as Grievance redressal, Anti-Ragging, Inter-faith, Women Development cell, Placement cell etc where students actively take part. Following are the narrative of functions and events conducted by various Committees: 1. Students' Council: As per university guidelines this council is established every year in the Institute and it performs its duties as prescribed. 2. Student Grievance: This committee addresses student grievances and maintains harmony and discipline among the students. 3. Anti-Ragging: This committee ensures zero ragging incidents in the Institute and also spreads awareness among students against any type of ragging activities, as per the laws. 4. Cultural: This committee co-ordinates various cultural activities and events throughout the year. "Spandan" is our annual social gathering which showcases cultural talent of students. The intercollegiate cultural competition is organized by them. 5. Sport: This Committee organizes different indoor and outdoor sports events like Cricket, Football, Carrom, Chess etc. Our students actively participate in various sports of intercollegiate and interuniversity level competitions. 6. Technical Activities: Every Department is having active Student's chapter associated with the Institution of Engineers, India. These chapters conduct various programs such as arranging Expert lectures and Industrial visits to name a few. Institute organizes technical symposium known as "Transmission" every year consisting of various technical competitions that include Paper Presentation, Technical Quiz, Robot War, Model Making etc. Each department organizes these events that motivate students to take part and enhance their technical ability. 7. Magazine: 'Connexieon' is our annual magazine published by Magazine committee. Students express their talent in the form of writing articles, poetry, interviews of eminent personalities etc. This exercise imbibes societal values in our students. 8.Extension Activities: Any education is incomplete without social awareness. "Outreach Program committee" is active in carrying out different activities such as visit to Tribal areas like Talasari, Manor, Blood donation Camp, Swachcha Bharat Abhiyan, Yoga day, Tree plantation etc.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

206

5.4.3 – Alumni contribution during the year (in Rupees) :

206000

5.4.4 – Meetings/activities organized by Alumni Association :

Two events were conducted

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500

words)

The development of the Institute is a constant ongoing process. Since its establishment the management has maintained a complete hierarchical structure and has always believed in sharing the responsibility with regards to the administration, accounts, academics and management. The management has always taken into account the opinions of each and every stakeholder involved and has believed in a participative management while strongly adhering to its mission and vision. In pursuance of its action plan for performance evaluation, assessment and quality up-gradation of the institution as required by higher education system, IQAC was set up and it has become a part of institution's system and is working towards realization of its goals and quality enhancement and sustenance. The prime task of the IQAC is to develop a system with consciousness, a consistent and catalytic improvement in the overall performance of the institution. For this, during the post-accreditation period, it has started channelizing its activities towards promoting and developing a holistic experience.. Faculties are appointed to take charge of various committees by inculcating a sense of leadership in them. The functional committees are solely responsible to conduct meetings pertaining to their committee requirement and implement them. The XIE samachar documents events, functions, workshops, felicitations etc. and all the news related to the college and is circulated as a weekly issue to all stakeholders. This information shall spread a sense of awareness and pride among the staff and the students as well as the alumni. Various budgetary requirements of teaching-learning process, lab expenses, career development, examinations, operations, research and development, applied to learning, administrative expenses are carefully analysed and submitted to the accounts department. These proposals undergo scrutiny at various hierarchical levels and then shall get approved by the governing council (GC) and or college development committee (CDC). A complete transparency is maintained while managing the finance of the Institute and the departmental expenditure, thereby ensuring the clarity between income and expenditure.

6.1.2 – Does the institution have a Management Information System (MIS)?

Partial

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Admission of Students	The Institute is affiliated to Mumbai University and its admission is carried out by the Directorate of Technical Education (DTE), Govt. of Maharashtra. Ours is a minority Institute (religious-Christian), hence category quota such as SC, ST, OBC, SBC and others are not applicable to us. Admission process is conducted by the Directorate of Technical Education (DTE) Maharashtra. Till date, the Institute is able to attract students with nearly 100 intake capacity.
Industry Interaction / Collaboration	The Institute regularly invites and arranges visits of industrial professionals for promoting continuous Industry-Institute interaction.The institute also encourages industry

	experts and professionals to contribute as the advisory members of the institute.
Human Resource Management	The Institute has ensured that its human resources recruitment and management practices are as per the prevalent rules and regulations of statutory and regulatory bodies like AICTE, DTE, MUMBAI UNIVERSITY and others.
Library, ICT and Physical Infrastructure / Instrumentation	Library comprises approximately 12870 volumes with 4718 titles, 12 national and international journals, 04 daily Newspaper, two Magazines. The library also has a reference section with a photocopy facility. The Library uses commercial software SLIM 21 for automation of Library Services. Dedicated computers are available for the students to access Moodle server, Science Direct, NPTEL and SWAYAM courses. Institute has a very strong IT infrastructure with regular updates, in terms of hardware, software and firewall system. The institute has a massive network of 623 computers with 40 Mbps internet connectivity for academic and research needs. The centralized firewall Cyberoam is used for network monitoring, management and internet security.
Research and Development	To promote the research culture, the institute has taken certain initiatives for the coming years. In this direction, the institute has also signed up MOUs with sister universities of USA and other countries and is in the process of starting collaborated research activities in various academic programmes. Three faculties have received the minor research grant during the academic year 2018-19 from the University of Mumbai.
Examination and Evaluation	The Institute has set the highest priority in conducting the internal and end semester examination and follows continuous evaluation schemes as per the norms of the University.
Teaching and Learning	The Institute encourages the teaching faculty to enhance their quality of teaching - learning practices for effective delivery of outcome-based education through continuous interactions and a relevant feedback system. To cater to the needs of the weaker students, remedial classes are

	conducted. Faculties are assigned to students as mentors to look after the academic as well as personal counselling.
Curriculum Development	In the context of Curriculum development, the institute successfully implemented the curriculum as per the norms of the University of Mumbai. Being an affiliated Institute, it does not have much flexibility in the academic curriculum. Generally, Mumbai University reviews its curriculum in a cycle of 4-5 years and incorporates those changes as deemed fit considering various advancement in the respective fields. Also, as an Academia-Industry partnership, continuous interaction with the leaders/experts from the Industry and experienced academicians from reputed organisations are held. The Institute takes into cognisance the feedback and recommendations to work on latest technical knowledge required by the industry, and suitably introduces supplementary add-on programs so as to develop the skill sets of the students. Currently, all the programs are following the CBCS curriculum prescribed by Mumbai University.

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Finance and Accounts	The Institute has a dedicated Tally software to maintain accounts and records for every financial year.
Examination	The Institute has an in-house mark sheet template developed by the exam section to prepare the result of S.E/T.E examinations.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Please see attached file	Please see attached file	Please see attached file	27598
View File				

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional	Title of the administrative	From date	To Date	Number of participants	Number of participants

	development programme organised for teaching staff	training programme organised for non-teaching staff			(Teaching staff)	(non-teaching staff)
2018	Please see attached file	Please see attached file	Nill	Nill	139	Nill
			View File			

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Please see attached file	30	Nill	Nill	351
		View File		

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
2	4	1	3

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
College has been instrumental in introducing various welfare schemes such as Gratuity to the staff, Provident fund, vacation, Leaves (casual leaves , medical leaves, earned leaves), Maternity leaves, Financial assistance to faculties to attend workshops/ conferences STTPs etc.	College has been instrumental in introducing various welfare schemes such as Gratuity to the staff, Provident fund, Leaves (casual leaves , medical leaves, earned leaves), Maternity leaves.	A suitable insurance coverage to students in the event of any accident etc. Reimbursement/ partial payment for students' projects and other activities. Tie up with a adjoining health centre to provide medical assistance to XIE students on priority basis. Felicitation of topper students.

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

All accounts are maintained by the accounts department as per the total admission that has taken place by following the rules and regulations of the fee regulation authority of the state. Internal accountants shall verify the books of accounts on a day to day basis. Entries done by one accountant is/are verified by the other accountants. Errors found (if any) are analyzed and fixed instantly. External auditor shall verify all the account books once in a year and provide his/her input to incorporate the required changes as per the statutory requirements.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the

year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Society grant	4187270	For education

| No file uploaded. | | |

6.4.3 – Total corpus fund generated

9479622

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Nill	No	Nill
Administrative	No	Nill	No	Nill

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

The following activities are conducted by the college where parents are invited to attend and there is a healthy parent - teacher interaction. FE Orientation Felicitation of the SE-TE toppers Convocation

6.5.3 – Development programmes for support staff (at least three)

A Yoga workshop was conducted on 21-June-2019 to impart awareness the use of yoga to remain in highest physical health.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

Conducting Industrial visits, workshops and conferences to learn about the latest developments in different Engineering domains and thus pursue learning in recent areas of research and technology. Organize mini-project exhibitions for each semester even though the same was not there in the curriculum. Encouraging students to conduct activities under CSX ISTE Chapter Inaugurated

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	No
c)ISO certification	No
d)NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Please see attached file	Nill	Nill	Nill	460

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Induction Programme for FE and DSE girls students	03/09/2018	03/09/2018	42	0
International woman's day celebration	08/03/2019	08/03/2019	65	0
Spandan-Cultural Program	12/01/2019	13/01/2019	90	204
SPARX-Sport Activities	24/09/2018	05/10/2018	450	568

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
One of the green initiatives taken by Xavier Institute of Engineering is to use solar energy to meet a part of the power requirement of the institute. This was initiated in 2014 and a 60kW rooftop power grid was installed. It is further expanded by adding another 44kW solar system in the year 2018. In the year 2018-19, the total power requirement of the Institute is 108857 units, out of which 28405 units(26 percentage) are generated by renewable sources of energy that is through solar panels.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	Yes	0
Ramp/Rails	Yes	0
Braille Software/facilities	No	0
Rest Rooms	Yes	0
Scribes for examination	Yes	0
Special skill development for differently abled students	No	0
Any other similar facility	Yes	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff

2018	1	Nill	17/08/2018	4	MANOR Outreach Program	To teach Mathematics and Science to the underprivileged Adivasi boys and girls	5
2018	1	Nill	11/09/2018	1	Industrial Visit to Home Automotion Center Bandra East, Mumbai	Industrial Visit: to anticipates students with latest technology and developments in the world. Internet of Things (IoT)	70
2018	1	Nill	29/09/2018	1	Industrial Visit to 'OFC-MUX' Station, Prabhavedi	Industrial Visit: to strive to acquaint students with the latest technology and developments in the world	26
2018	1	Nill	04/10/2018	1	Visit to Doordarshan (Prasar Bharati), Worli	to learn and understand the concepts of RF transmission for Television Signals	21
2019	Nill	1	04/01/2019	1	Green Mission-Cleanliness Drive- Xavier-Raheja	Swachchha Bharat Abhiyaan	57

2019	1	Nill	28/02/2019	1	Visit to SAMEER, IITB	Industrial Visit: to make the students aware about technology used	60
2019	1	Nill	02/03/2019	1	Industrial Visit to Satellite Earth Station, Yeur	Industrial Visit: To amalgamate theoretical knowledge with the practicals	26
2019	1	Nill	09/03/2019	1	Visit to JIO Networks, Ghansoli	Industrial Visit: to understand reliance Jio Working	19
2019	1	Nill	08/03/2019	3	MANOR Outreach Program-II	to teach the under privileged students of Shanti Ashram.	12
2019	1	Nill	23/03/2019	1	TEDxXIE	TEDx – Ideas worth Spreading Theme : Wings of Liberty	70

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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of conduct for students at XIE	01/07/2018	https://www.xavier.ac.in/Code20of20Conduct20-20Student.php The objective of code of conduct for student's is "To help every Xavierite to nurture the joy of excellence in their

		chosen domain of specialization for the service of humankind and ecology". Student code of conduct is available on institute website which includes administrative guidelines, disciplinary guidelines, student associations and events.
Code of conduct for Faculty	01/07/2018	https://www.xavier.ac.in/Code20of20Conduct20-20Faculty.php The faculty service book for faculty is available on Institute website. It provides with required information for faculty and staff. It helps in planning and navigating through their career in the institute. It includes institute vision mission, preamble, definitions, employee classification, recruitment and employment policy, recruitment selection process, probation confirmation, grade and pay structure, general working conditions, leave facilities, sponsorship for higher studies, training, workshops seminars, STTPs, etc, duties of teachers, code of conduct, misconduct, disciplinary actions and many more.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Refer the attached file	Nil	Nil	768
View File			

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1.Green Campus, 2. Utilization of Solar Energy 3. Paperless Office 4. Students, staff using a) Bicycles b) Public Transport 5. Plastic free Campus 6. Usage of LED bulbs The institute is located centrally at Mahim causeway with large number of trees. XIE has a 3-acre Green Campus in the heart of Mumbai city with good landscaping. Tree plantation drives by our own staff and students help in encouraging and creating sensitiveness towards environment which helps in providing fresh air for the staff and students of our institute. Regular care is taken by two gardeners by watering Plants Trees daily. The college

classrooms are well ventilated and illuminated by natural light. It has an open campus and large number of trees. The Institute is using 104 kW Solar Power plant as a renewable energy source. Waste management is carried out locally and with the help of Brihanmumbai Municipal Corporation (BMC). The institute received a 2018 and 2019 Green Mission Award, presented by ONP Solar Pvt Ltd. The institute uses Moodle as a learning management system which benefits the students with an innovative and creative learning environment. Various course content and resources like ppts, Question Banks, Sample Simulations, and links to e- resources are uploaded and made available to all our students which enhances their overall learning experience. The institute has instilled a paperless work system with the use of Moodle server, a website with all updates and upcoming events. The students and staff residing near the college either commute by bicycle or walk to the college. Many students and staff members use public transport facilities as well as pooling the car which helps in taking steps towards environmental protection. Continuous efforts are put in to make the campus plastic free. Dustbins are placed at appropriate locations that helps achieve a clean campus. The benefits of using LED bulbs in the premises has increased the energy efficiency and lowering electric bills and a longer bulb life with a better and safer light source system.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Title of the Practice Academic performance improvement program for FE students. Objectives of the Practice Engineering curriculum is more demanding and involves a lot of problem solving. Our program is intended to improve and enhance the students' ability to understand the fundamentals of Engineering and solve a variety of problems so that it helps them to perform better at the University exams. The Context Students who enroll in the first year are often oblivious to the semester pattern of the University and it poses the time constraints that they will have to face in the semester. First year of engineering is the first step for the student to get introduced into the engineering syllabus. The subjects in the first year are totally different from their pre-graduate levels. In view of this, the performance improvement program really prepares them to face the University exams. The Practice The Academic performance improvement program is conducted in two stages. As a first stage, revision classes are conducted for FE students, wherein, topics or chapters important are discussed along with past University exam papers and solved. These sessions greatly help students who join very late, owing to the delayed admission process. Second stage of the program is by conducting a Preliminary Exam (in university pattern) for 2-3hrs in all the subjects. The exam conduction and evaluation help students to assess their strengths and weaknesses, thereby helping them to improve upon their weak areas. Evidence of Success The practice followed has successively resulted in improving the University results. The evaluated answer sheets are shared with students. The bright students get to know where they can improve and the weaker students can identify on how to score better. Problems Encountered and Resources Required The students who have not performed well during the semester and who need some practice and attention come in small numbers for the revision lectures. Also, as the University schedule for commencement of term is late (mostly first week of August), time constraint shall always exist on finishing the course and conducting the revision sessions. Therefore, early commencement of lectures shall help in resolving this issue. 2. Title of the Practice Holistic Development of Faculty and Students. Objectives of the Practice The staff and students at the Institute are personally made aware of their requirements and shall be guided to achieve great things with incremental steps to realize their immense potential. It is in discovering their potential that the staff and students find joy, working in their areas of interest and while doing so,

become highly motivated to achieve excellence in their work. Celebration of our different religious ceremonies and cultural festivals shall also add to the holistic development of the Institutes' family. The Context At the Institute we understand "Education" as an unrelenting quest to bring forth from our available inner resources that helps us grow continuously. This necessitates the involvement of every staff and student, each day. At the Institute it is not just about excellence but also about nurturing the joy of excellence which is shared in creating fond memories as we engage in our pursuit of excellence. The Institute wants everyone to be fully engaged in a broad spectrum of fields so as to ensure themselves with a holistic growth and meet the challenges of modern times. The Practice The practice involves setting up structures so that this holistic development can be a way for us to live our lives, professionally as well as personally and the way we support and nurture one another. It begins with academic excellence. The Institute emphasizes providing quality education and training staff and students. The students can make significant contributions in their field under the guidance of trained and experienced faculty members with well-equipped laboratories. Deserving students are provided with scholarships. The best students and class toppers are felicitated with prizes for the various events and their projects are displayed in an exhibition conducted by the Institute. Remedial classes are conducted for academically weaker students who don't perform well. They are also taught time management and tips are given to learn in an efficient way. Staff and students are encouraged towards goal-oriented activities like publishing papers, researching, pursuing higher studies, etc. The students and faculty are given exposure to the latest trends in technology through guest lectures, workshops and seminars. The institute offers many value-added educational programs. The staff members are paid full pay scale, on time, as per the updated government rules and regulations. The staff members are sponsored to pursue their higher studies, attend and conduct various STTPs, workshops and publish research papers that improve their professional work. Staff and students are encouraged and challenged to excel in other fields by getting involved in organizing co-curricular and extra-curricular activities. The Institute conducts cultural and technical events, which give opportunities to develop leadership and organizational skills. The faculty, staff and students enthusiastically participate and enjoy working together as a team. The institute also organizes a TedX event every year for Faculty and students. The Industrial Visits for students help them to create fond memories of sharing the joy of togetherness. Evidence of Success Faculty members have successfully accomplished milestones, such as completing their higher studies and publishing papers. Students have pursued higher studies from reputed universities both in India and abroad. The faculty members have received the research project grants from University of Mumbai. Computer Society of Xavierites (CSX) was formed in August 2018. The objective of CSX is to increase technical knowledge among Xavierites. This forum provides an opportunity to our students to be a workshop speaker, organizer or coordinator. It includes activities such as guest lectures, workshops, project exhibitions, competitions and many more. The student council initially used to organize only intra-college events. Then, after a few years they started with inter-college events, due to the support of the newly appointed Dean of staff and students' welfare and Dean of academics. These events demand a higher degree of organizational and leadership skills. Thus, by organizing these events they have learnt to network with other student council leaders and participate in other inter-collegiate events. The alumni share on the development of organizational skills that help them to take up leadership roles in their workplace. The celebration of our different religious and cultural festivals help them to create a harmonious atmosphere in the Institute family with the support of Interfaith Committee. There is a better understanding of what unites us rather than what divides us and efforts are made to listen and understand one another. Problems Encountered and Resources

Required "Holistic Development of Faculty and Students" as a theme is the common thread that runs across all Institute activities. It has to be well planned at both the Institute and Departmental level. The student council is guided so that they can incorporate the theme in the events that they conduct in the academic year. This requires a lot of planning, time and follow-up schemes. The faculty and students have to balance the curriculum and co-curricular activities equally. It has been observed that if the co-curricular and extra-curricular activities are spaced out during the entire academic year the balance is more easily attainable. Hence, such schemes are planned. One of the obstacle is full participation of students is not seen in cultural and sparks events. With the help of class representatives and student council, we are working on how to bring the students together and to participate in the events. 3. Title of the Practice: 'XIE- Samachar': Weekly newsletter of the college. Objectives of the Practice To report and laud the academic achievements of the staff and students of the college as well as to share the news of different events and activities that are organized in the college. The Context To keep the students, their parents, faculty members, staff and management as well as the alumni informed about the events and activities that take place in college and to keep them up-to-date with the life at XIE. The Practice The XIE Samachar consisting of the news about placements, academic results, internship opportunities, staff achievements, college and departmental events, etc. is sent out each week to the staff and students. It is also uploaded to the college website. This not only keeps the staff and students updated but also encourages them to share their own achievements to be mentioned in the Samachar. Evidence of Success The Samachar celebrates all the academic and professional achievements of the staff and students. This recognition has also encouraged them to pursue more academic endeavors like research, value-added courses, FDP, conferences, internships, etc. and share the information of the same regularly. Problems Encountered and Resources Required More and more students need to be encouraged to share their individual academic achievements.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://www.xavier.ac.in/pdf/NAAC/Best-Practices-18-19.pdf

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

The Vision of the Institute, is to "To nurture the joy of excellence in a world of high technology." The Institute endeavors to provide value-based education to enable the students to face the challenges of modern life. It works for the holistic development of the students who are motivated to use their acquired knowledge for development of the community. The Institute was ranked 5th and 3rd among Mumbai private engineering Institutes by TOI survey in June 2013 and June 2015 respectively. XIE is ranked among the top 30 Engineering Institutes [the 30 include 10 IITs and 7 NITs] in the country (about 3800 Institutes) with high "perceptual score" by TOI survey. The Institute is ranked among the Top Twenty Promising Institutes in Maharashtra by the Higher Education Review of 2018. The institute received a Green Mission Award, presented by ONP Solar Pvt Ltd. The Institute provides the best amenities required for students to enhance their academics, technical skills, co-curricular and extra-curricular activities and thus nurture the joy of excellence. Workshops, seminars and I.V's are organized every year by the Institute to make students industry ready. Students are encouraged to develop their own projects and participate in project exhibition which is held by each department to unleash the potential of the students by showcasing their innovative projects. The mentors closely

monitor their mentees performance and provide support. They also provide awareness and guidance on the competitive examinations, higher studies and the requirements needed for placements. Spandan is the annual inter-Institute Festival organized every year at XIE. These events help to enhance the creativity of the students and help them to acquire organizational skills. Sparx the annual intra-Institute sports festival provides abundant sports opportunities for the holistic development of students and staff. Vital skills like leadership, collaboration, creativity, problem-solving and social and cultural awareness are essential in today's world. XIE has signed MoU with foreign universities. Some students from these universities visit our campus and some of our faculty have also gone to those Universities for certain study programs. These cultural exchanges shall help our faculty and students to get a global experience which is needed to succeed in this increasingly complex and competitive world. XIE Outreach Program (XOP) gives XIE, a Jesuit identity. Under this program students engage themselves in social service activities like teaching English and Mathematics to slum children talking to them about moral values, health and hygiene and motivating them to get involved in education. The greatest gift for our students is to see the joy on the children's face as they beam with their newly gained knowledge. Thus, XIE endeavors to nurture the joy of excellence in the lives of our faculty, students and the communities. It reaches out to bring them joy, in the rapidly changing technological scenario.

Provide the weblink of the institution
https://www.xavier.ac.in/pdf/NAAC/Institute%20Distinctiveness.pdf

8.Future Plans of Actions for Next Academic Year

The Management of XIE is notably well known for designing its own stringent quality standards of education whilst keeping in view the challenges that are being faced by the education sector due to increasing global competition. The management is highly committed to uphold the highest standards of engineering education. In line with its vision, the Departments have planned to increase the number of value added courses and student development programmes . Such courses are intended to enhance the knowledge and skill set of students which will in turn profitably increase their opportunities of employability. Continuous evaluation during teaching learning plays a very vital role in estimating the learning capability of the individual students. Assessment of the students on their level of understanding of the course is crucial, and is made possible through application of Bloom's taxonomy.. The Institute has plans to bring about the standardization in the paper setting pattern for the Internal Assessment tests across all departments, thereby evaluating the students using the concept of Bloom's levels and making them to get familiarized with the terms of Understand, Apply, Analyze, Design and Create. The Annual College magazine ConneXIEon of the Institute has been developing a profound bond among the Xavierites by connecting them to all the happenings on their campus, Also, another purpose of this annual college magazine is to unlock the hidden talents within the students, the faculty and the staff members. However, the institute has taken steps to start Magazines/Newsletters of the Departments, which compiles all the technical and non-technical activities and the achievements of the students. The Alumni of the Institute have spread across the globe and are the torchbearers, diffusing the knowledge, skills and values imbibed during their journey at the Institute. In order to enhance their interaction with their juniors, the Institute has proposed the passing out students to register and become the Alumni members and multiply the interactive activities conducted under the Alumni cell. For over a century the Jesuits have been in Mumbai and in rural Maharashtra. The poor, the exploited, the spiritual seekers, the social drop-outs and the deprived children are very special to Jesuits. In this lineage, the institute has envisaged to start NSS programmes to reach out to an extended community. The National Service Scheme (NSS) is a Central Sector Scheme of

Government of India, Ministry of Youth Affairs Sports, providing opportunities for the young students at colleges and the Universities across India to take part in various government led community service activities programmes, with the sole objective of providing hands-on experience to young students in delivering community service. Cura Personalis is one of the key values of XIE, that points to the role of an educator and a mentor, not to be concerned merely with cerebral development, but cater to the all round development of a student. The Institute has taken this task and is streamlining the mentoring process for the mentees, so as to help and support them in their personal and their career.