

St. Xavier's Catholic College of Engineering

Internal Quality Assurance Cell (IQAC)

Benchmark 2023-2024

Sl.No.	Benchmark	Authority Concerned
1	Graduation rate be greater than or equal to 90%.	Faculty Members, HODs, Dean Academics
2	Minimum expected UG & PG pass percentages are 2.1: Final Year 95% for subject and 90% for class 2.2: Third Year 90% for subject and 80% for class 2.3: Second Year 80% for subject and 70% for class 2.4: First Year 80% for subject and 70% for class	Faculty Members, HODs, Dean Academics
3	15% of students from every department have to complete Swayam-NPTEL online courses per year.	NPTEL Coordinators IQAC Coordinator
4	Every student undergoes Field Project and Internship during their course of study.	Faculty Members, HODs, Dean Academics, Dean Student Futuristic Services
5	Every department should conduct at least one value added course of minimum 30 period's duration for every student in an academic year.	Faculty Members, HODs, Dean Academics
6	Student Publication <ul style="list-style-type: none"> • UG project should be published in one reputed conference proceedings • PG project should be published in 1 Scopus indexed journal. 	Project Guides, Dean Research
7	Make the students to participate in state level and national level events . Should result in at least 10% state-level awards and 5% national level awards.	Mentors, Faculty Advisors, Cell In charges, Dean Student Affairs
8	20% of students should take the GATE exam , and at least 5% of them should qualify	GATE Coordinator, HODs, Dean Student Affairs
9	Placement <ul style="list-style-type: none"> • Highest salary 10 LPA, Average salary 3.5 LPA • 100% placement to all the eligible willing students • PG placements -100% participation in drives, trainings 	Placement Coordinators, Placement Trainers, HODs, Dean Student Futuristic Services
10	Encourage and make at least 10 students to register higher studies at foreign universities	Dean Student Futuristic Services
11	Take initiatives to conduct foreign language trainings	Dean Student Futuristic Services
12	Online Courses (Swayam-NPTEL Courses) - Every	Faculty Members, Swayam-

	faculty member has to complete 2 online courses per year (One course will be related to Teaching Learning Process and other one will be in their area of interest)	NPTEL SPOC
13	Collaboration with Industry – Every faculty member has to undergo an industrial training (Internship) and support student placements of the students.	Faculty Members, Dean Research
14	Faculty Publication <ul style="list-style-type: none"> • AP- 1 Scopus or 1 SCI journal per year • Asso. & Prof. - 2 Scopus + 1 SCI or 2 SCI journal per year 	Faculty Members, Dean Research
15	Patent filing & publishing should be increased by 10% compared to the previous year.	Faculty Members, Dean Research
16	Once in 2 years every dept. must conduct 1 international conference with external funding. Keynote speakers must belongs to foreign countries (Online mode- at least 3 international foreign speakers, Offline mode- at least 1 international foreign speaker)	Faculty Members, HODs, Dean Research
17	FDP, Workshop Organization - Every dept. should conduct at least 1 - one week FDPs, Workshop per year	Faculty Members, HODs, Dean Academics
18	Consultancy - Common Consultancy Services can be established- Should produce at least 1 lakh per department	Research Coordinators, HODs, Dean Research
19	Centre of Excellence - Take initiative to establish Research lab setup , Maker Space per research group	Research group Conveners, Research Coordinators, HODs, Dean Research
20	Cell Activities - Every cell has to conduct a minimum of 30 hours program per year	Cell Incharges, Dean Student Affairs, Dean Academics
21	Sports Camp - At least 1 camp per game. Sports Awards - 1 gold medal, 7 silver medal, 2 Bronze medal (Table Tennis Men, Badminton (Both),Basket Ball (Men, Women, Bronze medal, Foot Ball (men), Volley Ball (Men), Cricket (Men), Athletics Men(Short-put, High jump, Long jump)	Physical Director, Student Affairs
22	Alumni Contribution - 3 lakhs per year (Trainings, Placement, Events, Annual meet- alumni participants above 300, Guest Speaker in every cell activity)	Alumni Incharge, Dean Student Affairs
23	IIC - (4 star rating), EDC - 5 programmes , MSME (5 incubates), NIRF Innovation (Within 300 band)	IIC Incharges, MSME Incharges, EDC Incharges, Dean Student Futuristic Services
24	NIRF Ranking - Above 30 marks	Dean Systems

Submission of the progress status for discussion and actions:

First week of

October 2023: Discuss, collect data and submit the plan (means, methods and schedule) for the achievement of the Benchmarks

December 2023: Progress status of the Benchmarks and follow-up actions planned

March 2024: Progress status of the Benchmarks and follow-up actions planned

May 2024: Achievement status of the Benchmarks with Outcomes



IQAC Coordinator

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Principal

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A few suggestive means and methods of Benchmarks 2023-2024:-

- **Graduation rate** be greater than or equal to 90%.
 - Plan in the department PAQIC, collect the pass and fail details with the help of mentors, analyze the details and arrange for remedial classes.
 - Do the impact analysis.
- Minimum expected **UG & PG pass percentages**
 - Identify the slow learners from the previous semester results, continuously monitor their performance in the Internal Examinations (Continuous Assessment) and plan for the actions in the class committee meeting and provide special attention and coaching classes.
 - Counsel and Motivate continuous learning.
- 15% of students from every department have to complete **Swayam-NPTEL** online courses per year.
- Identify the courses in the NPTEL platform which are equivalent to the professional elective and open elective courses. Get the approval from the BoS. Communicate these details to the students through department NPTEL Coordinators and assign mentors.
- In an academic year each student undergoes **Internship or Field Project**.
 - Plan in the department PAQIC, encourage and guide them to apply for the internship, conduct reviews and ask them to submit reports, collect certificates and feedback from the students for internship/field projects (impact analysis).
- Departments conduct at least one **value added course** of minimum 30 period duration for every student. (**Follow the instructions given in the regulations**)
 - Plan at least one course per year starting from first year
 - Plan in the department PAQIC, prepare syllabus, get it approved by the Principal, circulate, motivate all the students to join, conduct the classes, maintain records of attendance, click geo tagged photograph of the event, conduct assessment, provide certificate and collect feedback on outcome attainments (impact analysis).
- **Student Publication**- All the supervisors can identify the suitable conference and journals and encourage their project students to draft and communicate articles.
- Guidance for **GATE** should be strengthened. Conduct coaching classes for the GATE registering students. Ask the students to utilize the NPTEL GATE portal to find the lectures and solutions of previously solved questions.
- Encourage and make at least 10 students to **register higher studies at foreign universities**

- Update the alumni database and link the foreign alumni to the present final year and pre-final year students.
- Online Courses for the faculty
 - Three NPTEL courses are available in the NPTEL portal for the current semester (
- Departments start **center of excellence**. At least mention the initiatives and actions taken. (research lab setup)
- Every cell has to conduct a minimum of 30 hours program per year. For each program maintain the approval letter from the principal, resource person invitation, record of attendance, geo tagged photograph of the event, conduct assessment (if needed), provide certificate (if needed) and collect feedback. The report should be uploaded in the automation software and it should be reflected in the website. Conduct the cell audit.