St. Xavier's Catholic College of Engineering
Internal Quality Assurance Cell (IQAC)

Benchmark 2022-2023

Academics

Results

BM-1: Graduation rate be greater than or equal to 90%.

BM-2: Minimum expected UG pass percentages are

> **BM-2.1:** Final Year 95% for subject and 90% for class
>
> **BM-2.2:** Third Year 90% for subject and 80% for class
>
> **BM-2.3:** Second Year 80% for subject and 70% for class
>
> **BM-2.4:** First Year 80% for subject and 70% for class

Faculty Development

BM-3: Online Course- Curriculum Design & Implementation, Student Psychology

BM-4: Workshop- Technical Research Writing

BM-5: FDP- Implementation of Autonomy

BM-6: Awareness Programme - NEP 2020, NAAC, NBA for Autonomous Colleges

Conferences

BM-7: Once in 2 years every dept. must conduct 1 international conference with external funding.

BM-8: Faculty interaction with industry- 1

BM-9: Departments conduct at least one value added course of minimum 30 periods duration for every student in an academic year.

BM-10: Every student undergoes Mini Project, Field Project and Internship, preferably one in an academic year starting from first year to pre-final year.

Research

BM-11: Publication

- AP- 2 scopus or 1 SCI journal per year
- Asso. & Prof. – 2 Scopus + 1 SCI per year

BM-12: Funded Projects (College level scrutiny)

- AP- 1 Minor project per year
- Asso. & Prof. – 1 Major Project per year

BM-13: Consultancy other than Testing

- Each dept. should earn more than 1 Lakh per year

BM-14: Student Projects
- UG Project- at least one reputed conference, apply for project funding
- PG Project - published in 1 Scopus Indexed journal.

Student Affairs
BM-15: 20% students should appear for GATE exam and 5% Qualification rate.
BM-16: Every cell has to conduct a minimum of 30 hours program per year.
BM-17: Sports Camp- At least 1 camp per game.
BM-18: Alumni Contribution minimum 3 Lakhs – Trainings, Development etc.
BM-19: Conduct Intra- College Symposium in the ODD semester and Inter College Symposium in the even semester.
BM-20: Make the students to participate in state level and national level events. Should produce at least 10% state-level awards and 5% national level awards.

Student Futuristic Services
BM-21: Placement
- Highest salary 10 LPA, Average salary 3.5 LPA

BM-22: IIC (4 start rating)
BM-23: MSME (5 incubates)
BM-24: ARIIA (Excellent band)
BM-25: EDC
   Conduct at least one program for EDC, Innovation, Startup & IPR
BM-26: Foreign Universities
- Tie up with 5 Universities and atleast 10 students should register the higher studies.

Systems
BM-27: Digitization
BM-28: E- course file
BM-29: Research Scholar Progress
BM-30: Dataset Repositories (Research)
BM-31: Admission Software, Student Profile (Admission to Alumni), Faculty Profile
BM-32: Automating budget and bill settlement

IQAC
BM-33: Report by Deans - Once in a month
BM-34: Benchmark Audit - Once in 3 months
BM-35: One quality related workshop
BM-36: Awareness program on one new quality initiative programmes
BM-37: Common Format
BM-38: Graphical SoP for each process

Benchmarks 2022-2023:- A few suggestive means and methods:

- ➢ 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.
- ➢ 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).
- ➢ In an academic year each student undergoes Internship or Field Project or Student Project.
  - • Plan in the department PAQIC, maintain all the records of mini/main projects, arrange for internship/field projects, collect certificates and feedback from the students for internship/field projects (impact analysis).
- ➢ Departments start center of excellence. At least mention the initiatives and actions taken
- ➢ Guidance for GATE should be strengthened. Conduct coaching classes for the GATE registering students.
- ➢ 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.

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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