

Recommendations of IQAC of the Academic Session 2023-24

- 1) Efforts should be made to prepare online courses and e-content for minor and certificate courses.
- 2) The research publications per teacher in journals for the academic year 2023-24 are commendable for the Department of PMSE (3.3), followed by Biotechnology (2.62), ECE (1.27) and Mathematics (1.24). However, the ratio is less than 1.0 for CSE & IT (0.70), HSS (0.9), and JBS (0.57) departments. So, these departments should make efforts to improve their publication-to-faculty ratios to exceed 1.0.
- 3) The publications of books, chapters in edited volumes, and papers in national / International conference proceedings per faculty during the academic year 2023-24 are commendable in the Department of Biotechnology (2.12). However, the ratio is less than 1.0 in all other departments, including CSE & IT, ECE, HSS, JBS, Mathematics, and PMSE. These departments should work towards improving this ratio to exceed 1.0.
- 4) All the departments could work on getting more research scholars and improve its scholar-to-faculty ratio. Presently, Biotechnology has 67 registered ongoing PhD scholars with scholar to faculty ratio being 2.79. Department of CSE & IT has 112 scholars presently and their student-faculty ratio is 1.32, Department of PMSE has 29 scholars with ratio being 1, while JBS has 37 scholars with student-faculty ratio being 1.42. Rest of the 3 departments of ECE, Maths and HSS have 54, 25 and 13 research scholars respectively pursuing PhD during 2023-24, with student faculty ratio being 0.75, 0.86 and 0.50 respectively.
- 5) Department of Biotechnology has 19 ongoing research projects, Department of PMSE has 9, Department of ECE has 8 ongoing projects, Department of Mathematics has 2 ongoing projects, while Department of CSE & IT has 1 ongoing project and Department of HSS & JBS have none. Departments with fewer or no sanctioned projects should focus on increasing their efforts to secure R&D projects in line with their faculty strength.
- 6) The revenue generated from consultancy during the academic year 2023-24 is visible in the departments of JBS and ECE, with former having generated Rs. 3,43,000.00/- through 3 of its consultancy projects, while latter has generated Rs 2,00,000.00 / through one of its consultancy projects. All other departments should also put efforts into securing consultancy projects in eligible areas to generate revenue.
- 7) In the current academic year, most of the departments have organized at least one FDP. It is recommended that every department should organize at least two FDPs/ Workshops of a minimum 5-day duration in an academic year for teaching, one in offline mode and one in online mode, so that our data for NAAC criterion 6.3.3 & 6.3.4 also increases.
- 8) As per NAAC requirements, every eligible department is recommended to organize at least two professional/staff development programs for staff and lab technicians, each with a minimum duration of five days.
- 9) Every Department has organized one International Conference except for the Department of HSS. Hence, Department of HSS and the newly established departments of Computer Applications and Mechanical Engineering & Design are advised to organize one International Conference every year.
- 10) Departments should encourage students to participate in AICTE-initiated programs such as "Startup India Contest," and the "Students Learning Assessment (Parakh)" program.

- 11) Number of programs under the UBA (Unnat Bharat Abhiyan) umbrella should be increased by organizing the respective events frequently.
- 12) The NSS unit of the institute has organized significant social activities, especially under the Swachh Bharat Abhiyan initiative. However, the NSS unit should also focus on other social activities such as "Adopt a School," "One Student One Tree," and the "FIT India Movement." It is also advised that NSS display boards be installed on the institute premises to signify the presence and activities of the NSS.
- 13) As per Stakeholder Relationship Committee report, students have particularly expressed dissatisfaction with instructors who merely read from slides without offering thorough explanations. Faculty members should be encouraged to move beyond the slides and provide in-depth explanations that foster a deeper understanding of the subject matter. More FDPs and workshops may be organised that emphasize the importance of interactive teaching techniques, such as facilitating discussions, encouraging student participation, and using real-world examples, to enhance the learning experience of students.
- 14) The mentoring process should be strengthened more for the social and emotional growth of the students. To further strengthen the process, a regular meeting slot for the mentor and mentees may be fixed in the timetable.
- 15) Stakeholders Relationship Committee has recommended that career counsellors should actively engage with students to understand their aspirations and direct them towards appropriate internship opportunities.
- 16) To improve the work-life balance of employees and students, the university should shift to flexible working hours. Moreover, leave policy should be improved to create a provision for some medical leave in addition to the current 10 casual leaves.
- 17) The employment grade of the non-teaching staff should be regulated according to their experience and qualifications, as per Stakeholder Relationship Committee's recommendation.
- 18) The institute should attempt to take the 12B status of UGC so that faculty can apply for sponsored research projects of UGC, ICSSR etc.
- 19) Events conducted by JYC during impressions were 50 plus that are an amalgamation of cultural and techno-cultural events. However, certain hubs were represented by a greater number of events and certain hubs have not. JYC is encouraged to ensure that all 22 hubs need to actively take part in Conduct of events of respective hub events. Else, the purpose of creating different student hubs would be diluted and objectives not met.
- 20) Data available for student's participation in external events is very limited. JYC needs to devise mechanism and methods to document students external event participation information which is also a requirement of institute ranking and accreditation.
- 21) Tracking of Students progression data needs to be strengthened.
- 22) Online filling of Annual Appraisal forms should be initiated.

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