IQAC Annual Report for the Academic year 2021-2022

IQAC has been initiating and guiding in the following areas for the continuous improvement in the academic and non-academic processes based on the feedback collected from the stack holders. By doing so it helps the institution in achieving its goals and to develop excellence in a systematic approach.

1. **Institute standardization:** We have participated in ARIIA, NIRF in this year.

2**. Academic Calendar**: The Academic Calendar is prepared in-tune with the university academic calendar planning all the events semester-wise to be conducted. The departments have conducted various programs like workshops, seminars, training programs and several activities in accordance with institutional academic calendar.

3. **Mentoring**: At the beginning of each semester the students are divided into batches of fifteen to twenty. Mentors have been allotted to guide and mentor them as a continuous observation.

4. **Active Learning Methods**: To make teaching learning effective, ICT teaching aids such as PPT, Videos, Animations, NPTEL videos, live practical examples from various sources etc., have been employed for effective teaching.

5. **Project exposure through mini & main projects**: To develop creative and innovative ideas the students are encouraged to have hands on experience through Mini & Main projects as a part of curriculum. The students have done various projects as a part of curriculum which improved their problem solving methodologies by experiential learning.

6. **Admission Team**: Admission team every year organizes awareness and exposure programs to Intermediate students of surrounding junior colleges by conducting orientation programs like personality development, avoiding stage fear, exam phobia, leadership skills etc., with various personality development trainers. The students are also given the Branch selection and importance in this program. After joining the institution, induction program is conducted to acquaint the newly joined students to the engineering programs. They are exposed to overall development through Yoga, Teambuilding activities, expert talks, Alumni interaction, Industry Requirements, Human Values and Ethics etc., the admissions are significantly improved for this academic year to 296.

7. **Alumni**: Alumni form a very strong base in the growth of the institution. We have a track of the alumni since the inception. Through the alumni association the students will be given career guidance on latest technologies, job exposure & opportunities, higher studies like M.Tech or M.E programs etc.,

8. **Action for slow learners**: Slow learners are identified based on the previous results, concept/problematic topics. The remedial classes have been conducted to overcome the difficulty of understanding of these subjects; extra hours are allocated for these subjects to clarify the doubts.

9. **Academic results**: The end examination results are analyzed subject wise to know the students' performance. If the result of any student is found below average, the student is counseled through the respective mentor to identify the problem areas and care will be taken to improve his/her performance.

10. **Training programs**: Placement Training Program (PTP) is offered to students to make them for job ready. Here training is given to improve their hard as well as soft skills. Technical training is also provided to bridge the gap between academics and Industry. The students have undergone various training programs like Soft Skills, Life skills, PTP trainings. The placements of the students significantly improved to 201.

11. **Technical workshops/ Seminars**: The Technical workshops & seminars are organized in various departments to simplify the theoretical concepts and also gave exposure on practical usage of subjects. The departments have conducted 34 workshops through IPR and RM cell.

12. **HR Policies**: A wide range of HR policies have been implemented to improve the retention of faculty in the institution. The faculty based on their experiences categorized into Assistant professor, Associate professor, and Professor. A faculty in each of these three categories is designated into the following hierarchical levels-junior scale, regular, and senior scale. All faculty depending on their years of teaching experience, PhD status, and service provided to the institution as designated to a specific role accordingly. The institute provides free mid-day meals and free transport facility to all faculty members including both teaching & non-teaching.

13. **Cultural Activities Committee**: For the overall development of the students in co-curricular and extra-curricular activities, the Students volunteers works in full swing. Student's council is formed to involve the student in the teaching-learning process as well as sports and cultural events. Here the focus is one the students to initiate and organize events to enhance their interpersonal and leadership skills.

14. **R&D cell**: To promote multidisciplinary research projects with industry collaborations the R&D cell encourages the faculty and students to promote research and publication of papers in international peer reviewed journals preferably with Scopus index, UGC approved journals, peer reviewed journals with ISSN and 40 number of events conducted through IIC. The publications of staff in reputed journals are significantly improved.

15. **Institute Innovative council:** To create innovative thoughts and to develop innovative skills among the staffs and student, we are enriching the IIC in our college. Totally 41 number of programs and events are conducted through this council.

16. **MOU'S**: All the respective departments particularly and the institution in general tie up with the industry through the Memorandum of Understanding (MOUs). The institution had made several MOUs in this academic year in related to staff as well students. Through this various FDPs, Soft skills, workshops, certificate courses etc., have been organized during this year.

17. **Certificate and value added courses**: To add more substance to the course workshops are organized to make the concepts clear which enable them to get certificates along with practical knowledge which helps to bridge the gap between the industry and academics. Totally 24 courses has conducted in this academic year and 1 course through the MoU. All the students are enrolled in their respective and relevant courses.

18. **Quality Audit:** Internal has been conducted in this year throughout every department in quality aspects (academics and stock). External audit has been conducted by an external organization in quality aspect. In the basis of environment and energy, audit has been conducted by the experts.

19. **Feedback:** Feedback has collected from the stack holders for each semester. Based on the analysis of feedback the future plan has been planned and deployed.

20. **Transport Facilities**: The Transport department is working efficiently to provide a meticulous service to the students and staff. The bus service is provided to all rural areas in and around 70 kms from the college. The college provides free bus facility to faculty members. MS Tracker application has developed and in use by all our staff and student to track the bus location.

21. **NSS activities**: The NSS unit has contributes its part and conducted several events during this academic year. The NSS unit has conducted events such as Blood Donation Camps, Free medical camps, swatch school, plantations, and voter's day, awareness on human rights etc., during this academic year.

22. **Progression to Higher Education**: The number of students joined in M.Tech or M.E. programme has significantly improved to 89.

23. **The Women welfare cell** has taken several initiatives related women safety, welfare, gender equity and sensitization programs.

24. The Institution has also made several improvements in facilities for **alternate sources of energy** and energy conservation measures like Solar power plant, Bio-gas plant, sewage water treatment plant, reverse osmosis plant and usage of LED bulbs etc.,

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