Date: 28/11/2024

Institutional Distinctiveness

In tune with Institute's vision of imparting quality education, we expect students to have Core/sound technical knowledge and be a professional with ethical values. We look at holistic development of students. For this effective implementation of Outcome Based Education (OBE) is extremely important. OBE is student centric, teaching and learning methodology in which the course delivery, assessments are planned to achieve the stated objectives and outcomes. It focuses on measuring student performance at different levels of Bloom's revised Taxonomy. OBE demands a clear focus and Organization of a complete ecosystem in an Educational Institution/Department, that is essential for all students to be able to successfully acquire knowledge, apply and carry out innovation at the end of their learning experience. This necessitates clearly identifying distinct set of actions and procedures/systems, which an institute can follow to ensure the proper implementation of Outcome Based Education. So being an affiliated Institute, the syllabus/content (as prescribed by University) delivery is being done properly but at the same time the industry needs/demands are found out for which assistance of industry experts and Alumni is taken and accordingly the add-on courses training sessions of students as well as teachers are organized by the institute and there upon the students are made job ready or employable. As OBE demonstrates learning is outcome based rather than merely accumulation of course credits/percentage of marks, by students

In this regard teacher's industrial training, FDPs, refresher courses are arranged and they are motivated to attend the same. In covid-19 pandemic, many of the teachers attended most of the webinars on technical courses along with yoga, meditation and universal human values, exam reforms, effective implementation of Outcome Based Education etc. this empowered the teachers to deliver the course contents properly with due weightage to the practical knowledge.

Similarly, the students are also encouraged to attend the add on courses, training sessions of their own interest, but in the emerging areas viz. sustainable development, Electric vehicle, Robotics, 3D-printing, cyber security, Artificial Intelligence, Machine Learning, AR, VR, Python, PLC-SCADA, e-plan, HIT-office, Rivet, TECLA, etc. to name a few which resulted into improvement

in the placements. Institute has also provided a platform for Entrepreneurship Development, start-up, Innovations etc. for those who want to pursue their career in business. The support in this regard is provided by the institute.

As the students have to work in a global atmosphere and compete globally, languages should not be a barrier and recently institute has signed MoU with an NGO, who has offered online language training course in German, French, Spanish and Japanese. During their leisure time they can acquire the proficiency in these languages. The Institute is located in rural area, and 'English' is a challenge for most of the students, so the institute has provided language lab with all infrastructure, plus "SPRUCE" mobile application software is given to the students, using it, students can practice grammar comprehension, vocabulary and aptitude test and it gave us good results.

Swami Vivekananda has said that science and spirituality are two sides of the same coin and therefore the teachings of great philosophers are told to the students as ultimately a technocrat with sound theoretical and practical knowledge; he/she must be a good human being. Must practice moral and ethical values also should have peaceful and calm mind. Therefore Institute organizes the programs on Universal Human Values, Yoga, meditation, mind control etc. which is well received both by students and teachers.

The above are the few examples/narratives, the institute is implementing and is striving to empower students with knowledge and skill in their chosen fields, by providing opportunities to realize their potential by motivating them towards community linked initiatives, thereby shaping them into future leaders.

The institute has established its **distinctive approach towards** its comprehensive Vision by modelling it in the form of service to the society, by numerous means, opportunities to students to organise events to develop their skills, multi-disciplinary project development, entrepreneurship development, ethical and human value development etc.

Earn and learn scheme is in place for the economically weaker students. Technical assignments along with non-technical work is given to the students during their free time and are appropriately rewarded. NSS cell carries out social services but also conducts technical events viz. programs on energy conservation and management, water conservation, sustainable development etc. and also helps to deploy government scheme to villages.

Institute has successfully organized and conducted PMKVY scheme Pradhan Mantri Kaushal Vikas Yojana for the benefit of students of nearby Ashram School and tribal students and empowered them to stand on their own feet.

In few years Institute shall have 100% energy generated by Solar Power Plant; it shall grow and nurture the trees and green environment in the campus, minimum or no-use of plastics etc. depicting its responsibility towards "Mother Earth."

Thus to summarize, the "vision" of the institute, focuses on four aspects essentially:

1. To maintain Global educational Teaching Learning standards.
2. Value based education.
3. Interdisciplinary project work and
4. Sustainable development.

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