3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Additional Information

Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge. Tecnia Institute of Advanced Studies being an HEI, it is the utmost obligation of the institution to take initiations in creating and transferring knowledge. It is done through formally as well as informally. In a formal way, the creation and transfer of knowledge is done through classroom teaching with Outcome Based Education, Multidisciplinary & Interdisciplinary approach, Research & Innovation Development Cell of Tecnia Institute of Advanced Studies deals with the policies, practices and outcomes of the institution, with reference to research & innovations. It deals with the amenities provided and efforts made by the TIAS to stimulate a 'research culture'. The cell has the responsibility to enable students and faculty to undertake research projects worthwhile to the society. Serving the community through research, which is a social responsibility and a core value to be demonstrated is the major objective of this Cell. The Research and Innovation Development (R &I D) Cell of Tecnia Institute of Advanced Studies facilitate and emboldens research ethos among the faculty and students. Its prime role is to create links with the factual world and stimulate research through a array of publications. It enables an amiable milieu for technological advances and monitors the research activities of the college. The R&ID Cell takes upon the responsibility of creating a work place to entice the utmost endowment and endeavors incessantly in pooling of skills and internal resources, forming strategy, overcoming curbs, and makes the Institute proud to be the preeminent institutions around the World.

Further, undertakes guest lectures with Integration of Indian knowledge and skill development with focus on value based education to inculcate positivity amongst the learner that include the development of humanistic, ethical, constitutional, Universal Human Values of Trust (Vishwas), Respect (Samman), Affection (Sneha), Care (Mamataa), Guidance (Vaatsalya), Gratitude (Kritagyataa), Reverence (Shraddha), Glory (Gaurav), Love (Prema), Nonviolence (ahinsa), scientific temper, citizenship values and also life-skills etc. Value Education through Curriculum: Most of programs have included, human values, value education, environment education, yoga, health and personality as part of their curriculum and co-curriculum with a view to improve the personality of learners and inculcate cherished values of present time. For wider exposure and deep insight in human values, deliberations of experts in form of guest lecture series, panel discussions, symposia & seminars and national and international conferences are organized. Research acumen is also informally bought in practice during interactions between students

and the faculties outside the classrooms. The interaction is done on many occasions such as for guidance or for mentoring. The Institution provides an active environment for promotion of Innovation.

The Research and Innovation Development (R &I D) Cell conducts workshops/seminars on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship; undertakes guidance for Research Publications and put recommendations for various Awards; the Institute has 49 Nos. of Ph.Ds faculty and 05 Nos. of Ph.D. pursuing registered candidates under them; the Institute faculty regularly publishes research papers in the Journals notified on UGC website/ Peer reviewed. Further, faculty publishes books and chapters in edited volumes/books published and also papers published in national/ international conference proceedings All required facilities are provided and Guidance is extended to the students. Necessary support is provided for Documentation and Publication of Research Papers. For the purpose, every year, a number of textbooks and reference books are added to the college library. The faculties have been asked to prepare a list of reference needed in their subjects and then the purchase for the same is done. The students are encouraged to visit library and make use of the reference books and to read newspapers and periodicals. Every year, a number of guest-lectures are held by various committees and also by some departments. Same way, some of the faculties go to other colleges as guest lecturers/MDP/FDP/Workshops etc. This interaction enriches the teaching-learning process. While appointing Faculties, a great care has been taken. Dynamic and vibrant young faculties with doctoral degrees have been preferred for the same. Innovative ideas have always been welcomed by the Head of the Institution and have also been endorsed by the Management. The faculties are encouraged to follow research work in their respective subjects. They are granted duty leaves to attend seminars, conferences, workshops, and FDPs etc. to enhance their knowledge. Whenever and wherever, there is a scope for the students to participate in such programs, they too were facilitated by the institution to attend them. The faculties are felicitated by the institution when they receive Ph.D. degrees in their subjects.

The Institution provides a active environment for promotion of Innovation and Incubation. All required facilities are provided and Guidance is extended to the students. Necessary support is provided for Documentation, Publication of Research Papers and also for obtaining patents. Awareness meets, workshops, seminars and guest lectures on Entrepreneurship are organized. Students are provided opportunities to directly interact with outstanding entrepreneurs excelling in their field.

As per the requirement of syllabi, the project work is done by students of all Programs under the mentorship of Faculties. The faculty members make learning interactive with students by motivating student participation in group discussion, role-play, subject quiz, etc. ICT enabled teaching includes class rooms with LCD, Language Lab, Smart Class rooms, etc. The institution adopts modern pedagogy to enhance teaching-learning process. The Conferences/ Seminars

are organized where the papers are presented by students on contemporary topics to enrich their learning experience. Faculty involved in ideation for propagation to startups. Institute facilitates e.g., E-Resource, E-Library, DELNET, J-Gate, BCL and AL, Internet/IT facility, Telecom. Positive office environment is created for meeting and transfer of knowledge. Faculty and Students publish papers in edited books/journals. IIC calls experts of IPR, startups, entrepreneurship, innovation and promotes multitudinous modes of innovation eco-system in the campus. It executes MOU's and linkages for creation & knowledge transfer with corporates, Institutes and Universities. Institutes conducts International Conferences Seminars, Workshops, SDP including IPR and contemporary Industry-Academia Innovative practices. IIC awarded with star rating. 5 Faculties recognized as IAT and 6 enrolled as research-scholars. IIC initiates pre-incubation-center as per NSIC. Students showcased prototype for technology demonstration in AICTE Hackathon of Ambulance movement in traffic. Institute has created Institution Innovation Council under the guidance of MOEs-IIC to foster an ecosystem for innovations; to nurture students with ideas and to develop prototypes. It has been given 3.5/5 Star for the AY 2020-21 by MoE. The Council consists of member representations from experts from academia- both internal and external, industry, entrepreneurs, alumni and students with responsibilities as innovation coordinator, Startup coordinator, IPR experts/coordinator, Social media coordinator, Convener etc. The Council ensures that various activities-Counseling /Seminar/ Workshop/Interaction/ Competitions/ Hackathon etc. are focused to motivate innovation and entrepreneurship by knowledge sharing and utilizing the process of ideation, design thinking, business model/plan, IPR knowledge and its process, government policies to support startups; and to support start-ups. A well-equipped Pre-Incubation Center has been established in the Institute. The Institute is in process of adopting NISP. The institute through its IIC is training the faculty through innovation ambassador program and coming up with collaboration with various industry, Incubators, accelerators and institutes to achieve a strong ecosystem to assist in the process of turning technology, know-how, expertise and skills into innovative, commercial products and services by improving the standards of competency knowledge transfer practitioners and by stimulating the quality along with provision of training.