



Institutional Distinctiveness

Performance of the institution in one area distinctive to its priority and thrust

The performance of any institution is based on the foundation of its vision and mission. GCET too works in line to achieve its goal though the vision and mission stated. Planning, executing, assurance and quality check is what the institute lays emphasis on.

Vision of Institute: GCET

To be a leading educational institution recognized for **excellence in engineering education & research producing globally competent and socially responsible technocrats.**

Mission of Institute: GCET

1. To provide state of art infrastructural facilities that support achieving academic excellence.
2. To provide a work environment that is conducive for professional growth of faculty and staff.
3. To collaborate with industry for achieving excellence in research, consultancy and entrepreneurship development.

Title of the Practice: Vocation Escalation for Students

Objectives of the Practice: To enhance technical competence of students with improved communication and employability skills and provide state-of-art infrastructural facilities that support in achieving academic excellence.

Consonance: Identification of resource persons and their availability that could be tailored into the academic schedule so that students can take maximum benefit of the same.



Resources: The institute possesses the required resources including talented faculty members, well-equipped auditorium and seminar hall, computer-aided laboratories, IQAC.

Attainment route of the “Vocation Escalation for students”

- **Planning of teaching-learning process**

Students are the most vital and crucial stakeholders at Galgotias College of Engineering and Technology (GCET). Pursuing and shaping the vision and mission of the institute and the demand of employers is our utmost priority for which we render our scholars the technical competence with improved communication as well as employability skills. Likewise, all efforts as well as the pedagogical design are focused towards the holistic development of students in order to make them **globally competent and socially responsible technocrats and citizens as well**. The institute elites its fortitudes and enterprises to train its students through special training programs so as to enrich their skills and help them achieve a career trajectory through wide-ranging aptitude, technical training sessions, personality development techniques and exposure to academics-technology interface. The institute provides a road map to the students for imparting education from the beginning of the semester till the student exits from the programme, as engineering education in India faces significant challenges in the demanding era of technical profession and emerging job market.

- **Scientific writing skills**

GCET has always taken a lead in experimenting with better ways of teaching-learning as well as research capabilities of the students and faculty members. The main objectives of Scientific Writing Skills is to open their creative writing skills with which they shall be able to express their scientific ideas and thoughts in a more professional way, it needs to be.

Various initiatives are taken by the institute to inculcate Scientific Writing Skills among students, which are as follows:

- The students are exposed to Wall Magazine (known as **Creative Interactive Bulletin Board**), in the department of Professional/Technical English, for **capacity-building** and **interactive exertion**. This acts as a self-teaching tool to unlock scientific creative mind for students who gets **early exposure** in the first year to find relevant materials, narrow down information, able to generate **new topics** thereby reinforcing **new words and concepts**, and challenge students



to participate in new ways. In addition, Language Lab provides application based language software (Snetclass) where a student gets a rich experience of learning language dynamically and is able to sharpen the language skills.

- **Industrial Visit:**

Industry-Institution Interaction

Keeping the vision and mission of the institute in mind, GCET make students abreast with the practical side of their coursework. Regular industrial visits are planned, where students know things practically through interaction, working methods and employment practices. Moreover, it gives exposure from academic point of view. Main aim of industrial visit is to provide an exposure to students about practical working environment.

- **Personality Development Program:**

Pre-placement activities and training

The institute elites its fortitudes and enterprises to train its students through special training programs so as to enrich their skills and help them achieve a career trajectory through wide-ranging aptitude, technical training sessions, personality development techniques and exposure to academics-technology interface.

The students are also provided with effective and simulated training for enhancement of interpersonal skills that assist in development of their team work abilities, conflict management and leadership qualities through knowledge procurement. These trainings help the students for effective functioning in multi-disciplinary and heterogeneous teams through group discussions, personal interview skills and aptitude tests. Personal interview sessions which include Verbal Aptitude and Skills of Communication and personality development comprising aspects such as attire and dress codes, greeting, gestures, postures, confidence and preparation for the anticipated questions.

- **Training and Placement Cell**

The technical competence of students is enriched along with through rigorous training under the supervision of respective personnel that offer specialized training in latest technologies. *The Galgotias Centre for technical Innovation and Incubation (GCTII)* promotes the technology driven business incubator and entrepreneurship. It comprises of a pool of expertise from academic world, professional business executives and successful startups and entrepreneurs to enrich the students with their



mentoring, guidance and motivation. It provides a universal platform for research and development for the benefits of budding entrepreneurs and actively assist and facilitates the students by providing them necessary guidance from experts to aid the budding professionals and entrepreneurs of the Institute. The cell pursues the objective to motivate the students and offer guidance and information about the various entrepreneurship encouragement schemes declared by the State and Central government wherein the students have successfully achieved grant for their projects from Govt. of India.

To fuel the imagination of budding entrepreneurs, panel discussion/s are conducted at the institute as to quote the one held in collaboration with E Cell, IIT Kharagpur. The session introduced the students with lectures from top business honchos, business management gurus and other distinguished personalities on various start-up related challenges in the country. The students are trained about the key ideas, innovative technologies and other aspects of entrepreneurship and how to swiftly sail in highly competitive industries.

Also, an *IPR Facilitating Cell* at GCET works as an interface between the institute and the patent/copyright attorney. It helps the students as well as faculty members of GCET in patentability assessment and brings awareness about the procedure to apply for patent/ copyright applications. The cell ensures creating awareness among students and helps in finding strength and weakness of their invention by arranging expert lectures on IPR. It also provides assistance to the students in providing market analysis of their product and also filling the patent form. It recommends to internal project funding committee and also helps in checking plagiarism. So far, many students have been able to file their patents with the help of the Cell.

The *Career Planning and Placement Division (CPDD)* at GCET effectively provides provision of training according to current market trends to meet the demands and requisites of leading organizations for our students. Many programs are developed for effective training and preparation of the students in their core technical domains including operation and implementation, Stacked operations and its implementation, creation of linked list and various related operations, C, C++, CAD, Robotics, String and recursion and related operations, Sort Algorithms including selection sort, bubble sort, insertion sort, merge sort, quick sort algorithms, Linear search algorithms, Binary search algorithms, Array creation and its various operations, etc.



Keeping in view of the present scenario of employability, an urgent need arises to offer training to the engineering students so as to enhance their core proficiencies and develop the required technical skills so that they get better opportunities in multinational companies as well. However, these objectives can be achieved effectively by bridging the gap between industry and the academic institutes. For this sake, the students are exposed to newer technologies and engineering methodologies through a strong *Industry-Institute interaction*. Such practice is introduced to promote the interaction of students with the experts from various industries so as to act as relay between the requisites of industries and academic orientation. The industry field visits and industrial training serve as strong technical workforce for the scholars. To facilitate the process of interaction as well, the internship seminars and workshops are organized and expert talks of eminent personalities are conducted. Memoranda of Understanding are executed between the institute and industries to bring them together professionally, academically and strategically as well.

• Conclusion

- The institute owes its distinctiveness to all efforts as well as the pedagogical design focused towards the holistic development of students in order to make them globally competent and socially responsible technocrats and citizens as well.
- We, as an institute elite our fortitudes and enterprises to train our students through special training programs to enable them achieve a flourishing career trajectory.
- The attempts taken by the institute have undoubtedly proved as a stepping stone for the students to enrich their practical learning and industry exposure enhanced by leaps and bounds.
- The vigorous efforts invested by the institute through its many tributaries of Committees and Cells, have proved to be a success in shaping our students as best –fit for not only the global recruiters but also for higher academic excellence.

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