



VGEC INNOVATION CLUB

Vishwakarma Government Engineering College, Chandkheda

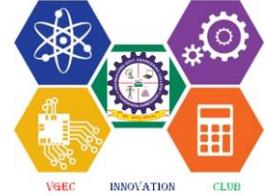
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Date: 28/02/2018

"Failure doesn't mean you are a failure, it just means you haven't succeeded yet." - Dr. A. M. Haque

(One day Career Counseling Seminar is organized at Power Electronics Department VGEC Chandkheda)

According to Dr. A. M. Haque Assistant Professor in Power Electronics Department at Vishwakarma Government Engineering College "To understand and enhance life skill student have to work for eight basic skills"

Skill #1: Knowledge of the core subject

The most basic ingredient that identifies you as an engineer is the knowledge in your field of study. A Mechanical Engineer, for example, needs to know the basics of Thermodynamics, Fluid Mechanics, Solid Mechanics, Machine Design, Manufacturing Processes, CAD/CAE, etc. An awareness of the latest technological developments in your own field of study, like 3D printing & Alternative Energy techniques for Mechanical Engineers, will build your identity as an engineer further. We suggest you to be updated on the developments in your field of engineering, irrespective of the career you choose.

Skill #2: Application of the knowledge

Good grades on your graduation certificate are a reflection of your (curriculum-based) core knowledge, howsoever vague. In spite of that, why do you think the correlation between job opportunities and grades is very less? It is because of the fact that a good knowledge on any subject does not warrant the ability to apply it to solve real-time problems. Employers are keen for engineers, who prove that they can call upon the relevant skills as and when required. We strongly recommend you to start developing projects "that work" to make your application skills evident.

Skill #3: Information Literacy

We, and also the employers, understand very well (from personal experience, of course!) that a limited time of 4 years is not sufficient to learn and excel in everything that the industry demands from an engineer. Moreover, new "jobs" demanding new skills are being created every year. It is, therefore, very essential to be an information literate. Information literacy is the ability to identify the need for information and find resources (online/offline) to start and finish a project from scratch.

Skill #4: Analytical & Creative thinking

Look around. Some of the most amazing gadgets and technologies are creative and, sometimes, simple engineering solutions to daily problems, starting from the smartphone to e-commerce. As

"Enter to Learn, Go forth to Serve the society"

engineers, you are expected to be creative enough to come up with innovative ideas and analytical enough to link knowledge from different areas to solve problems. Tinker with every new idea you encounter. Experiment!

Skill #5: Multi-disciplinary exposure

The contemporary workplace makes it inevitable for engineers to work in inter-disciplinary teams with projects that involve skills and tasks that are multi-disciplinary in nature. For example, an electronics engineer needs to work in a team consisting of computer engineers, designers, project managers and marketing managers etc. for a project in mobile technology. A basic understanding of these different divisions in the work will make his/her life easier.

Skill #6: Acquaintance with Computers & IT

The world is now transformed into a place where an understanding of computers and gadgets is no more a trade-skill, but a life-skill. A working knowledge in at least one programming language, the internet, mobile and web apps, social media etc. is as essential as proficiency in English.

Skill #7: Familiarity with Industry Standards

There is an evident gap, reported by numerous studies, between the academic standards in engineering colleges and the actual operating conditions in the industry. Young engineers feel overwhelmed due to the sudden change in working conditions right from the technologies being used to the operating procedures of the organization they (want to) become part of and it reflects in their performance. Learning industry-certified courses is one elegant solution to handle this misalignment.

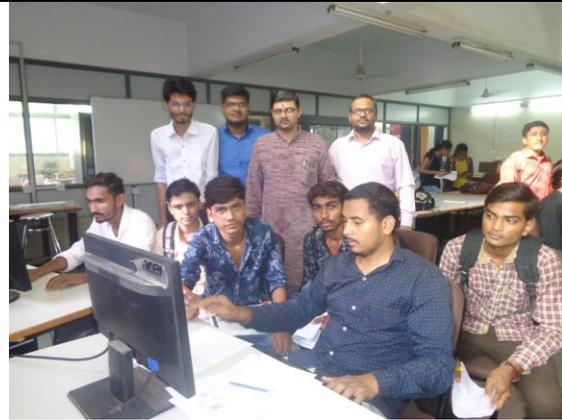
Skill #8: Passion for learning

The last and the most important characteristic that will make you not only a better engineer but a better person is the never-ending spirit for learning. Many eminent personalities (and "gods") are of the opinion that the day a human being stops learning is the day he dies! Let this single mantra drive your life and you will be successful at whatever you take up.

How to achieve above skills?

Building projects hands-on and learning while building the projects will increase your experience on the theoretical concepts that you have learnt. Building projects is a great way to achieve the above skills and you get to acquire all of them through the incremental learning and have fun at the same time too. For this, we at Skyfi Labs have launched online project-based courses through which you can learn and build exciting projects at your own convenience.

Photograph of the Event:



VGEC aT gLANCE :

Vishwakarma Government Engineering College (VGEC), Chandkheda is a premier Socially Responsible Engineering College of Gujarat working under the Commissionerate of Technical Education, Gujarat State since 1994. Nine UG courses and two PG courses with total student strength of 3600, the institute boasts of 120 highly qualified faculty, some of whom have young scientist award and national and international patents in their name. VGEC faculties have presented more than 200 national and international papers and they are the authors and co-authors of more than 10 books. Along with regular curriculum and teaching, students are motivated to do curricular and co-curricular activities like TechnoAspire (Technical Events), Blood Donation Camps, Sports and Cultural activities. Under the NSS activities, students have actively taken up innumerable social causes of teaching and cleanliness in under privileged areas. Faculty Development Program (FDP), NSS Activity, Different Student chapters of IEEE, Inst of Engineers and ISTE provide ample opportunities for interaction with industry and exposure to professional practices.