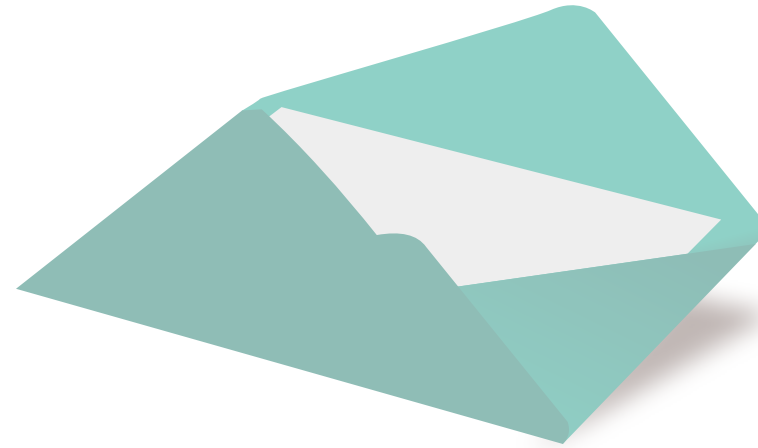
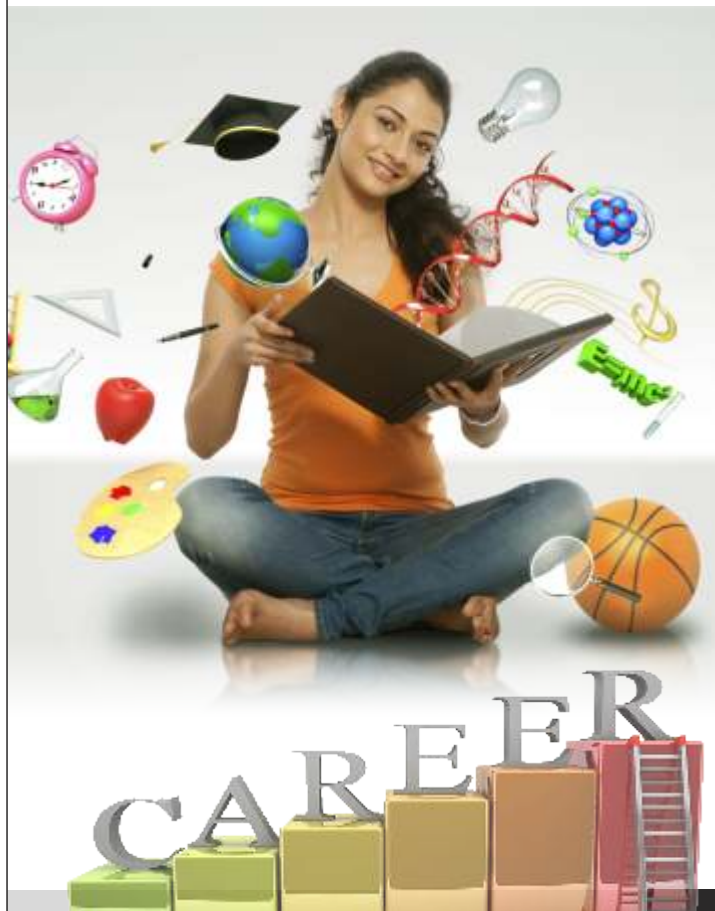


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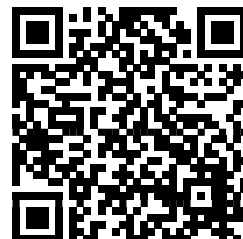
1800 425 0405

A Guidance Portal - Plan Your Career:



The most common question, since we were kids, has been "What do you want to be when you grow up?" Though an answer always came readily then, now when it is time to pursue your desired career- it's time for confusion. To ease your confusion, we present to you our newest feature- "PLAN YOUR CAREER" - A guidance portal just for you. CADD Centre Guidance Portal is special because it is uniquely designed just for budding engineers.

Plan your Career is a page where you can use the tool provided to chart out your own career map. The module will inform you of the qualifications and skills you need to pursue a career of your choice. The user-friendly module will also provide you the narrowed down options of courses pertaining to your degree. This is a trusted guidance portal because it is backed by CADD Centre's years of experience.



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A Guidance Portal - Plan Your Career:



ARES Commander 2017 - An Overview

Graebert has recently released a new version of its flagship CAD product: **ARES Commander 2017**. The product offers 2D and 3D tools for CAD designing in DWG format. Graebert's 30+ years of expertise in CAD for computers and mobile devices makes this new software all the more unique and trustworthy.

Product Specification

Below listed are the unique features of ARES Commander Software 2017.

- **Platform independent:** The software is compatible with Windows, Mac OS, and Linux platforms.
- **DWG Native:** The software uses DWG as its native format, allowing modification of CAD designs in this popular format, without explicit import and export.
- **User-Friendly Interface:** The software has an interface similar to the generic CAD interface and implements the similar CAD operating commands for ease of use.

Spanish, Italian, German, Polish, Czech, Russian, Turkish, Brazilian Portuguese, Japanese, Simplified Chinese, Traditional Chinese, and Korean.

- **Programming Interface:** Incorporates powerful API, which supports numerous programming languages including C++, TX, Lisp, VSTA, DCL, Visual Studio, COM, and Active X.
- **ARES Touch:** The best touch screen solution for CAD on smartphones and tablets is now available for both Android and iOS. Further, the Dark user interface is the part of this new software.

Software Application

The new features incorporated in this version makes the software robust. These additional

features are as follows.

- **Multifunctional Grips** helps the user to modify any entity using end point grips. One can easily alter the length, width, and radius of any entity using this functionality.
- **Polylines editing improvements** permit the user to convert a line segment into an arc and vice versa.
- **Relative angles in coordinate input** can be easily entered using "@" prefix.
- The software helps to **Trim** and **Power Trim** the hatches and gradients.
- **Advanced PDF to DWG conversion**
- **Insert CENTERLINES** between a pair of lines, concentric arcs and polyline segments.
- The software helps to create an array of **multiple copies of a selected entity** along any path.
- **Splits dimension** lines and extension lines avert overlapping.
- **Xtra tools** are LISP based tools which are now available for the MAC and Linux OS as well. It includes tools for annotations, modifying blocks and dimensions, and views and utilities.
- One can easily match the entity properties with the layer's properties using **SetByLayer** option of the software.

The latest version of ARES Commander Software will help the users to create compelling DWG drawings. The simple interface and advanced features will make CAD implementation easy and organized.

Satellites, Radar and The Electrical Engineer

“Satellite and Radar design has a huge potential in this information era, where every technological giant is keenly involved in gaining more information through satellites. Giants such as Google, Facebook, and SpaceX need to expand their internet connection and hence are planning to launch many satellites. Google plans to invest around \$1 billion in launching satellites. On the other hand, SpaceX aims at launching low-Earth orbit satellites.”

The State of Satellite

Russia created history by launching the first satellite “Sputnik 1” in 1957. Today, more than 50 countries own their own satellites. There are a total of 1100 active and 2600 inactive satellites today. Among these 50% of them are in low-earth orbit (260 miles high), 20% are in medium orbit (13,000 miles high), and high orbit (22,236 miles), and 10% are in geosynchronous orbit (22,240 miles high). These satellites serve a lot of purposes including weather, navigation, and much more.

- **Weather Satellite:** They send images of weather fronts and the changes that the environment faces.
- **Navigation Satellite:** They calculate the location based time and signal distance using GPS and other navigation systems.
- **Communication Satellite:** They connect remote areas and carry communication traffic.
- **Astronomical Satellite:** They study about the universe.

➤ **Radar Satellites:** The satellites are used for imaging the earth's surface with the help of Synthetic Aperture Radar (SAR). The changes in the images of the same area are detected with the help of radar interferometry. The images of radar satellite can be extremely sharp.

The Future of Satellites

- **Pseudo- Satellites:** High Altitude Aircraft with satellite abilities will be the future of satellites. The Zephyr, a pseudo-satellite flies at 70,000 feet during the day and 50,000 during the night. It runs with solar power and hovers over the same spot for an indefinite time.
- **Nanosats:** Lightweight Satellites with small components similar to a smartphone

will also rule the future. They have limited capability, but are cost-friendly.



- **Electrical Propulsion:** They are used to keep the satellites in their orbit.

Electrical Engineer and Satellites

For a successful growth and innovation of satellites, an electrical engineer plays a very important role. A few firms are hiring 200-500 new employees and expanding their staff count. In the next 15 years, approximately 1,600 satellites are expected to get launched. These launches would give new opportunities to the engineers. Around 44,100 electrical engineering job openings are projected before 2022.

Unconventional courses are the future, traditional streams have hit a low!

Engineering and MBA have become the main stream of courses that most of the students desire. However, they do not offer the worth as their name suggests. Recently, a survey of MBA and Engineer students, identified that only 7% of the MBA and engineering students are employable. The rest, if placed, earn less than ten thousand per month. These traditional courses have been affected a lot in the global market. The students are greatly discouraged due to such stats.

The End of Traditional Courses

A faculty of IIM, Varsha Khander, said “Yes, many streams in engineering, such as Mechanical Electrical, and Chemical have reached a point of stagnation. There are very few jobs in the market, and they are not very

exciting. Traditional MBA has also reached its tipping point. There is a clear mismatch in the demand and supply. Students are looking for fresh courses that will rule the job market in the coming years”. Thus, students are shifting from traditional to unconventional courses. “I want to perhaps study Spa Management, let's see who offers that. Or else, have to move abroad,” says, Vinith Kumar, a student of a Top International.

New Unconventional Courses

Some institutions have lately gained awareness for the demand of unconventional subjects. For example, iNurture in Bangalore has partnered with Golden Valley Education Trust and Europe's Galileo Educational Network to provide new-age global programs

Some institutions have lately gained awareness for the demand of unconventional subjects. For example, iNurture in Bangalore has partnered with Golden Valley Education Trust and Europe's Galileo Educational Network to provide new-age global programs to Indian UG and PG students. The programs help the student to pursue global careers such as

- 📖 Sports Management
- 📖 Luxury Management
- 📖 Tourism
- 📖 Hospitality Management
- 📖 Cartography
- 📖 Anthropology
- 📖 Tea Tasting
- 📖 Art Restoration
- 📖 Puppetry
- 📖 Design
- 📖 Digital

MBA degrees in these courses is not only exciting, but they also have a lot of opportunities. They are the youth courses for the new age youth. Dr. T Venkat Vardhan, Founder of DNA Entertainment Networks Pvt Ltd. believe that the future of education is in the hands of such courses. He says, “The vocational, allied and technical disciplines need to be paid attention, and through Golden Valley Education Trust, I am trying to do that.”

Keys to Nailing your Engineering Job Interview

- Job Interview is the worst nightmare for all the Engineering students. It haunts every student right from the beginning of the final semester. So to help the students and to make them fearless about interviews we have curated a list of interview tips. Read the tips given below to nail your engineering interview.
- Never miss building a rapport. Create an excellent First Impression with a firm handshake and eye contact with the interviewer. It signifies confidence and professionalism.
- Acquire all the information about the applied Job position. Learn about the job roles and the key skills required for the same. It will help you navigate the interview.
- Know your company. Gather maximum information about the company including its product, press release, partners, affiliations, etc. This background research will help you nail the interview.

- Be well versed with your CV. The interviewer may ask you anything from your CV, so make sure every information present in the CV is justifiable.
- Never miss the fundamental learning. Interviewers usually ask questions from the engineering basics. Make sure you are well acquainted with the fundamentals.
- Don't hesitate to talk. Communication skill is an important parameter for evaluation in a job interview. So keep the conversation alive with sensible discussions.
- Always ask questions. It will give an impression of vigilance.

All the engineering students and graduates must follow these key tips to nail their upcoming job interviews.