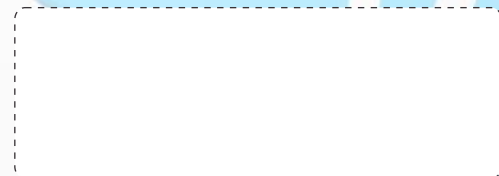


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CADD@School signs MOU with G.D.Matriculation Higher Secondary School, Coimbatore

CADD@School signs MOU with G.D.Matriculation Higher Secondary School, Coimbatore; a 33 year old reputed school for Kidovators to offer training to Standard 8th and 9th students. CADD@School is an initiative of CADD Centre, a diversified global network of creative, engineering and

managerial skills institute. Cadd@School helps the kid acquire experience, develop skills, and broaden their knowledge by increasing the control of materials, creativity and analytical skills.

For more details contact
+91 98407 87976 or write to:
km.venkataraman@caddcentre.ws



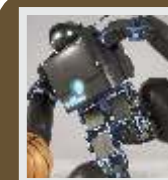
CADD Centre Partners with ELS India

CADD Centre entered into a strategic partnership with ELS International Education Pathways Private Limited (ELS India), a leading Educational Service institution to offer unbiased Counseling & Admissions services to students pursuing higher studies in foreign Universities. This memorandum would enable more than 500 CADD Centre outlets across 240 major

districts spread throughout India to extend "International Higher Educational Counseling & Admissions Services", fully supported by ELS. ELS promote education excellence and provide world-class international counseling and admission services to the aspiring students seeking opportunities overseas.



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ELS India

FUTURE TECH TRENDS

- A Moving Reality

The purposeful application of information in the design, production, and utilization of goods and services, and in the organization of human activities lies the technology. But is it just coined to these activities? No, technology as a term and as a concept has a much wider application than the activities mentioned above.

Everything is going to change more in the next ten years than it has in the last hundred, so it's difficult to think about 100 years in the future. To think about an indefinite future is very interesting. No one knows the world after 100 years. We can just guess about it and by guessing we can also include our perspectives and predictions in it right?

So let us see the futuristic world from our perspective and witness the inception to an era of techno-verse. Presently there are various technological discoveries and inventions going on in various fields, from A of Agriculture to Z of Zano technology. The world is changing with every passing second. But here are few tech discoveries which could shape up our future from good to complete awesomeness!

The following are the basic 9 concepts which could change our lifestyle in future.

- Concept flying Plank Slide Hoverboard
- Folding fan cellphone
- Electric scooter with 1 wheel/Moto Pogo
- Flexible roll tablet
- 3D printed bridge
- LED lamp with life span of 37 years
- Boeing Starliner-7
- i-Oven
- Mirror and transparent OLED displays

The following are the basic 5 concepts predicted two decades ago which are making our lives simple now.

- 1 Concept of tablet & phablet
- 2 Electric Cars
- 3 Hybrid Cars
- 4 LED TVs
- 5 WiFi

Image courtesy: www.monochrome-watches.com | www.automovilescolombia.com | www.pureimage.ca

Please send your feedback to the Editor - Ms. Malarvizhi Pandian, Head- Digital Marketing & Communication - CCTS, email - p.malarvizhi@caddcentre.ws

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ROBOTICS

Robotics is a blend of science and arts brought together. Mechanical engineering perspective is multidisciplinary in Robotics which represents science, while the drilling models and submission projects take the form of art as it requires a lot of creativity and vision along with calculation to get the ultimate result.

Robotics has several branches. It is not rigid rather flexible. It is a field where there is a continuous evolution. It is a steady learning curvature where your thoughts would just mould into new actions. In India there is a lot of pressure when it comes to selecting a branch of engineering. But in the end it all depends upon the interests and desires of an aspirant.



What can I achieve with Robotics?

Robotics is a real mix of all branches of engineering. You need to be good at mechanical engineering, be a good control engineer, a good electronic engineer, any branch of engineering, gets into robotics. But whatever you decide, you have to put your heart and soul into it. Robotics for a student can lead him/her to enter the field as a technician or as an engineer.

- 1 Robotic technician requires a 2-year degree.
- 2 Robotic Engineer requires a 4-year degree.



Apart from these two choices at the heart of Robotics, an aspirant also has the opportunity to dive deep into other Robotics sector by selecting any of the field mentioned below.

- 1 CAREER IN ROBOTICS
- 2 APPLICATION ENGINEER
- 3 PROGRAMMER
- 4 QUALITY CONTROL
- 5 SOFTWARE DEVELOPER
- 6 SUPPORT SPECIALISTS AND TRAINERS

The above mentioned details were related to the general idea about robotics. A slight hint of what the course is about and what can it offer. Finally we move on to the most important aspect, Why Robotics of all fields? What is the scope of Robotics at a global level & finally Trends in Robotics 2015.

Why Robotics?

Robotics engineers and technicians are responsible for operating robots and researching, designing, creating, testing and troubleshooting problems. This is one of the most sought after field all around the world.

There is a boom in the technical industry for graduates. Their demand is rising day by day. Thus, one can be rest assured that the dearth of job opportunities won't be a cause of concern when he graduates.

Robotics is one of the most trending career options right now as it is at the helm of inventions and innovations. Robotics offers flexibility to students. It gives them their space to brainstorm about new ideas. It sets the base to great discoveries and leads the way towards great innovations.

Imagine yourself as the creator of the HD Curved TV which has been introduced lately, thanks to LG. Now think about 5 years ago, did anyone saw this coming? Such is the innovation that this technology has been put forth in mobile devices too.

Scope of Robotics

Robots at first place are designed with the fundamental rule of carrying out specific tasks. Gradually surpassing the level and objectives the design starts to get a little advance and in such advance version, the robots are designed in such a way that they are adaptive, responsive and are able to adjust to environment.

Robots, though autonomous should be able to make decisions on their own. This is considered to be a pre-requisite of designing a robot. We have to remember that although designing a robot the most important thing to be taken in consideration is, obviously, the function to be performed.

When it comes to performance, here arises the need for discussion about the scope of the robot and robotics. Robots have basic levels of complexity and each level has its scope for performing the requisite function.

The mechanization in processing of Robots is divided into three parts:

HARD

In the Hard type, the series of processing operations is fixed by the structure or configuration of the equipment used in. The significant characteristic of the hard type is the high capital investment as in automobile assembly line.

PROGRAMMABLE

In programmable Automation, the same tools can be reprogrammed to suit the requirement of diverse types of products.

FLEXIBLE

In flexible automation, the reprogramming is done offline. The two vital elements of robotics are numerical control and tele-operations. The two technologies of numerical control of tele-operation are combined in industrial robots.

Trends in Robotics 2015



INDUSTRIAL ROBOTS (IR) - automatic equipment with pre-programmable operating system to perform motion and control functions in production process which replace analogical functions of human in manipulation and technological operations.



SERVICE ROBOTS (SR)- uniform and generally approved definition is not accepted yet; interpretation has been accepted that they are freely programmable mobile devices that partly or fully perform service operations.

The decisive and most important feature of SR is locomotion parts (wheeled, walking, floating, special), which secure their mobility. Superstructure of locomotion parts is always solved according to the type of task (transport, manipulation, technological), which is supposed to be performed by SR and at the same time whole SR is designed in concept and details according to the kind and character of environment (dangerous, harmful, communal, domestic), in which it operates.



PERSONAL ROBOTS (PR) - uniform and generally approved definition has not been accepted yet, there is an interpretation in the process of formulating that it is a freely programmable device, which partly or fully automatically performs service operations.

Recent trends in Robotics

Here are some recent inventions which have taken the Robotics industry by storm. They have garnered huge applause from the world's top technology sites and at World's leading Technology Conference CES. So here are few discoveries that have the capabilities to affect our future in a drastic way.

Hexo+ Drone

Nanotech & Material Science

Dual arm robots

Eyes on the hand

Wearable robots