

**SHIRDI SAI**  
ENGINEERING COLLEGE  
(Autonomous, Bangalore, Near Hosur)  
www.ssec.ac.in

PRESENTS

# EDUCATIONPLUS CAREER COUNSELLING HOSUR

DATE: 30<sup>th</sup> April 2013

TIME: 9.30 a.m. to 1.00 p.m.

VENUE: Adhiyamaan College of Engineering, Hosur

## Equip Yourself for the Future

Year after year, one question that haunts Plus Two students who are keen on pursuing engineering is "Which branch should I study? Is it the institute that matters most or is it the branch chosen? Being confused themselves, they are also pressured by their parent and peers and are bombarded with suggestions and advice from neighbours and relatives.

At the Plus Two level, students may not understand the difference between interest and aptitude. In most cases, it is only when students are half way through their chosen branch in engineering that they understand that it is not their cup of tea. Our students need to be given good career guidance and counselling by reliable persons or agencies. It will be of immense help for the students to seek guidance. On their part, parents can spend their time in doing a thorough research on what are the areas where there is growth, development and where huge investments are made. By studying the finance Bill that is released every year, one can get information on development areas for the next five years.

The problem with the Indian students is that most often they choose their career looking at the past. The most prudent ones will look into the future, track the trend and accordingly build their career. Say for example, there is ac-

celerated growth globally in the fields of energy, infrastructure, banking, finance and investment. It is these booming sectors where there will be growth and opportunity.

Similarly in future branches such as electrical, electronics, civil, computer science, and also emerging fields like geo-informatics, materials sciences engineering, pharmaceutical engineering, and petroleum refining and electro chemical engineering will have excellent prospects. But this does not mean that other branches of study do not have scope. It only means that the other branches mentioned will have more prospects, more investment and more projects.

For those who prefer self-employment oriented branches, it is food technology and printing technology that will be best suited. When one opts for these branches of study, their initial pay may not be attractive, but they need to view it as a training ground, to understand and learn the nuances of the industry and gain experience. Based on this experience, they can become entrepreneurs and provide jobs to many others as well.

Architecture is also one of the best choices keeping in mind the growth in infrastructure area. Right now there is shortage of 30,000 architects in India. For girls architecture could be the best choice provided there are creative and interested in drawing.

Those students who are bent on research, biotechnology, biomedical engineering and genetic engineering are recommended. These branches of study are research intensive and students need to be oriented towards completing under graduation, post graduation and PhD, in order to find the best jobs in the industry.

At this juncture, I also would like to say that it is best to choose a primary field rather than a secondary field. For example, it is better to choose mechanical rather than automobile engineering. By choosing a secondary field, you will be narrowing down your career options at the initial stages itself. Instead you can keep your career options vast and wider by going in for a primary branch. Another advantage of taking primary branch is you can write the GATE exam (to get admission to premier institutes such as IIT) with confidence. Remember that GATE does not offer secondary subjects. Also if students wish to pursue higher studies either in India or abroad, it is better to choose primary subject.

### Engineering as a Career Option

What is engineering? - Engineering is a practical application of math and science to solve problems, and is all over in the world around you. Engineering technologies improve the ways we communicate, work, stay healthy, travel, and entertain ourselves.

Your competence, your aptitude and your skill sets is what matters most in the present times. During 2000 preference was given to course/branch opted and by 2010 students started giving greater importance to the institutes they studied in. Now, it is not only the course or the institute, but

also student's skill sets. Now all the three seems to matter.

Even the top institutes, the placement in the recent times has been only 60 to 70 per cent. The requirement of companies has gone up and their standards are rising by the day. Companies want to recruit the best brains/talent. Also the gap between the syllabus and the industry requirement/expectation has widened considerably.

And this is affecting placement. Students has to enhance his soft skills to get placed. Right now in India we have only 25 % of engineering graduates passing out are employable.

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Engineers are problem-solvers who make things work more efficiently, quickly and less expensively, especially using technology.

For admissions to engineering career you should have completed plus with maths, physics and chemistry as major subjects. Admission to engineering stream is conducted by Anna University Chennai through counselling. The application for the admission process will start normally by May first week and counselling by June end or July beginning.

The cut off would be calculated for 200 marks out of which 100 marks for maths and 50 each for physics and chemistry. In Tamilnadu we have more than 540 engineering colleges and for admission to top 40 engineering colleges you should have cut off 188/200.

In engineering we have major fields like mechanical engineering, civil engineering, electrical and electronics engineering, electronics and

communication engineering, and computer science engineering. We also other major streams like chemical engineering, textile engineering, agriculture engineering, bio-medical engineering, bio technology, rubber and plastic etc. we also have secondary options like automobile, metallurgy, information technology, geo informatics, manufacturing engineering, industrial engineering, fashion technology, mechatronics, textile chemistry, electronics and instrumentation and control engineering, food processing technology, material science engineering,

leather technology, petroleum and refining engineering, aeronautical engineering, production engineering, electro chemical engineering, robotics and automation engineering, pharmaceutical engineering, mining engineering, medical electronics, plastic technology, marine engineering, polymer technology, printing technology, ceramic technology etc.

We would be covering in detail about all the courses in detail and there career prospects. First let's take mechanical engineering and its relative courses



Contents by  
**Jayaprakash A. Gandhi**  
Career Consultant & Analyst

## Education Plus Career Counselling

Our career counseling event in Hosur is being planned on 30<sup>th</sup> April, 2013.

SHIRDI SAI ENGINEERING COLLEGE, ANEKAL, BANGALORE Presents

The Hindu Education Plus Career Counselling 2013, Hosur.

Event Details:  
• The Hindu Education plus Career Counselling 2013, Hosur.

• Date: April 30, 2013 (Tuesday)  
• Venue: Adhiyamaan College of Engineering, Dr. M.G.R. Nagar, Hosur - 635 109.

• Speaker: Mr. A. Jayaprakash Gandhi (Career Consultant & Analyst).

• Who Can Attend  
• 09th to 12th passed out students.

• Graduates wishing to go in for higher studies or interested in taking up a job  
• Students of 1st, 2nd & 3rd year of any under graduate disciplines

• Parents who are keen on their children taking up right career & making right decision.  
Sponsors list

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## THE HINDU EDUCATIONPLUS

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1. B.E., Mechanical Engineering\*
2. B.E., Computer Science & Engineering\*
3. B.E., Electronics & Communication Engineering\*
4. B.E., Electrical & Electronics Engineering\*
5. B.E., Electronics & Instrumentation Engineering
6. B.E., Civil Engineering\*
7. B.E., Bio Medical Engineering
8. B.E., Aeronautical Engineering
9. B.Tech., Information Technology\*
10. B.Tech., Bio Technology\*
11. B.Tech., Chemical Engineering\*
12. B.Arch., Architecture

#### P.G. PROGRAMMES

1. M.E., Computer Aided Design
2. M.E., Engineering Design
3. M.E., Communication Systems
4. M.E., Computer Science and Engineering
5. M.E., Power Systems Engineering
6. M.E., Remote Sensing

Eligibility:  
B.E. / B.Tech or Equivalent Degree  
by securing 50% for general & 45%  
for reserve category

**M.B.A.  
M.C.A.**

Eligibility:  
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- B.E. - Computer Science Engineering
- B.E. - Electronics & Communication Engg.
- B.E. - Electrical & Electronics Engg.
- B.E. - Mechanical Engineering

#### Post-Graduate Course

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### For Admissions Contact

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(Near Ganesha Temple, 4<sup>th</sup> Block, Jayanagar Police Station  
and Shopping Complex)  
Ph: 080 - 26635623 / 22455361 Fax : 22451802  
Mobile : 099005 45102 / 45103 / 45104 / 93773  
e-mail : admissions@ssec.ac.in

Register online : [www.ssec.ac.in](http://www.ssec.ac.in)

M.J.P. L. Leo Mutha, Chairman



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- B.E. - Electrical & Electronics Engg.
- B.E. - Mechanical Engineering

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Mechanical Engineering

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Registered with Registrar of Newspapers for India: TN BIL / 2010 / 36422, Editor: K. Jayapriya, B.E., MBA.

June 1-15, 2016

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05	11	60
06	10	61
07	15	77
08	13	70



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**90% 46**

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