



SILVER OAK
Education to Innovation

TECOS



Reflection of SOCET....

3rd Anniversary Issue 2016 **7th Edition**

IT companies exceptional role in growth of India

Information technology in India is an industry consisting of two major components: IT services and business process outsourcing (BPO). The sector has increased its contribution to India's GDP from 1.2% in 1998 to 7.5% in 2012. According to NASSCOM, the sector aggregated revenues of US\$147 billion in 2015, where export revenue stood at US\$99 billion and domestic at US\$48 billion, growing by over 13%. India's Prime Minister Narendra Modi has started 'Digital India' project to give IT a secured position inside & outside India. Bangalore is considered to be the Silicon Valley of India because it is the leading IT exporter. Exports dominate the industry and constitute about 77% of the total industry revenue. However, the domestic market is also significant with a robust revenue growth. The industry's share of total Indian exports (merchandise plus services) increased from less than 4% in FY1998 to about 25% in FY2012. According to Gartner, the "Top Five Indian IT Services Providers" are Tata Consultancy Services, Infosys, Cognizant, Wipro, and HCL Technologies.

Recent Development:-

In ongoing market India is the largest exporter of IT. The biggest economic effect of the technologically inclined services sector in India—accounting for 40% of the country's GDP and 30% of export earnings as of 2006, while employing only 25% of its workforce—is summarized by Sharma (2006): "Today, Bangalore is known as the Silicon Valley of India and contributes 38% of Indian IT Exports. India's second and third largest software companies are headquartered in Bangalore, as are many of the global SEI-CMMI Level 5 Companies. Hyderabad is also emerging as a Tech hub of the county with many global IT giants' headquarters followed by Chennai. Numerous IT companies are al

so based in Mumbai and Pune. Thiruvananthapuram (Trivandrum), the capital of Kerala state, is the foremost among the Tier II cities that is rapidly growing in terms of IT infrastructure. As the software hub of Kerala, more than 80% of the state's software exports are from here. Major campuses and headquarters of companies such as Infosys, Oracle Corporation, IBS Software Services and UST Global are located in the city. India's biggest IT company Tata Consultancy Services is building the country's largest IT training facility in Trivandrum—the project is worth INR10 billion and will have a capacity of 10,000 seats. The completion of the facility is expected in 2014 or 2015.

On 25 June 2002, India and the European Union agreed to bilateral cooperation in the field of science and technology. A joint EU-India group of scholars was formed on 23 November 2001 to further promote joint research and development. India holds observer status at CERN, while a joint India-EU Software Education and Development Center will be located in Bangalore.

Employment generation:-

This sector has also led to massive employment generation. The industry continues to be a net employment generator — expected to add 230,000 jobs in fiscal year 2012,

thus providing direct employment to about 2.8 million, and indirectly employing 8.9 million people, making it a dominant player in the global outsourcing sector.

However, it continues to face challenges of competitiveness in the globalized and modern world, particularly from countries like China and Philippines.

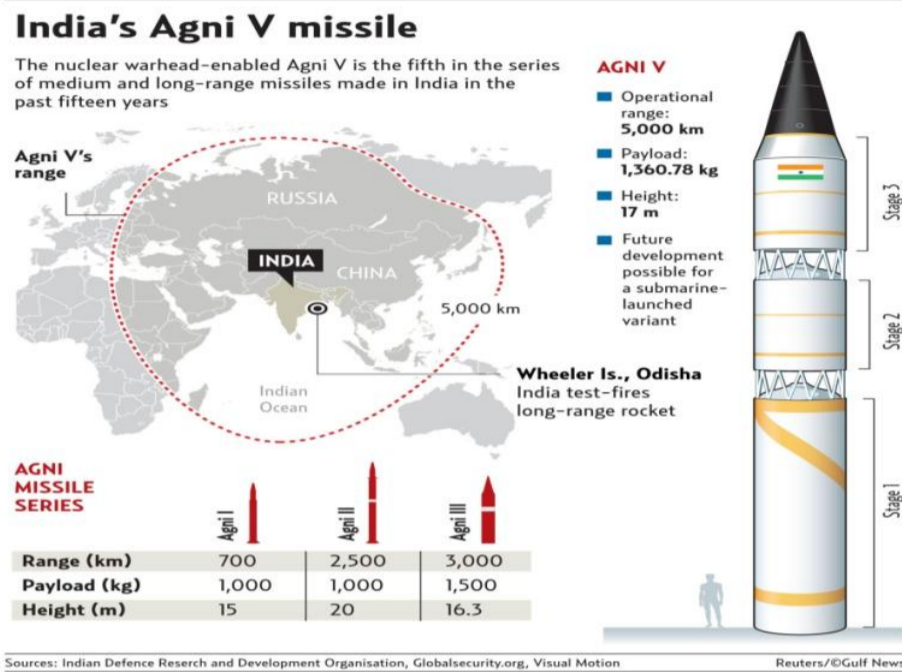


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INDIA'S Top 5 Weapon Systems Developed DRDO

The Defence Research and Development Organisation (DRDO) is responsible for the development of technology for use by the Indian armed forces. It is very difficult to short down top 5 weapon system developed by DRDO as it has developed so many weapon systems. Based on the technological challenges, strategic importance, defence needs and level of completion of the systems these are top 5 weapon systems developed by DRDO.

1. AGNI-V - INTER CONTINENTAL BALLISTIC MISSILE (ICBM):



This missile is the biggest achievement of DRDO and it is very important for the nuclear deterrent and strategic posturing. Agni-V would also carry MIRV (multiple independently targetable re-entry vehicles) payloads being concurrently developed. Agni-V is a inter-continental Ballistic Missile with a range more than 5000 km. Agni-V is part of the Agni series of missiles. It is a solid fuelled and can be launched from a canister Tatra Truck. So It can be launched within five minutes of threat received. It can carry a nuclear war head of 1.5 tons.

2. LIGHT COMBAT AIRCRAFT - TEJAS:

This is the costliest and longest going programme of DRDO. It is a 4+ generation fighter plane developed by Aeronautical Development Agency. TEJAS is a lightweight multi-role jet fighter.

It is a tailless, compound delta wing design powered by a single engine. It came from the LCA programme, which began in the 1980s to replace India's aging MiG-21 fighters. It integrates technologies such as relaxed static stability, fly-by-wire flight control system, multi-mode radar, integrated digital avionics system, composite material structures, and a flat rated engine. It is supersonic and highly manoeuvrable, and is the smallest and lightest in its class of contemporary combat aircraft. Navy and trainer variant of the plane has also been developed and they have received initial operational clearance.

3. INS ARIHANT - NUCLEAR POWERED BALLISTIC MISSILE SUBMARINE:

The Arihant class is a class of nuclear-powered ballistic missile submarines being built for the Indian Navy. The lead vessel of the class, INS Arihant, was first launched in 2009 and began sea trials in December 2014. Four vessels are planned and are expected to be in commission by 2023. The Arihant-class vessels are India's first indigenously designed and built nuclear submarine. There are only 4-5 countries have technical capabilities to developing a nuclear powered submarines.

4. RUSTAM.

Rustom is a Medium Altitude Long Endurance unmanned combat air vehicle (UCAV) being developed by Aeronautical Development Establishment, in Bangalore for the three services of the Indian Armed Forces. Rustom-II is equipped with various advanced technologies and systems which includes Digital Flight Control and Navigation System, Automatic Take off and Landing, Digital communication technologies for revealing data links to control and operate the mission and relay UAVs.

5. INSAS - INDIAN SMALL ARMS SYSTEM.

NSAS (Indian Small Arms System) is a family of infantry arms consisting of an assault rifle and a light machine gun. The assault rifle and LMG variants have been adopted by the Indian Armed Forces, Central Armed Police Forces, Indian Paramilitary Forces and police forces. On the international level India has exported a certain number of these rifles to Nepal, Bhutan and Oman. About, 300,000 units are in currently use by the Indian armed forces

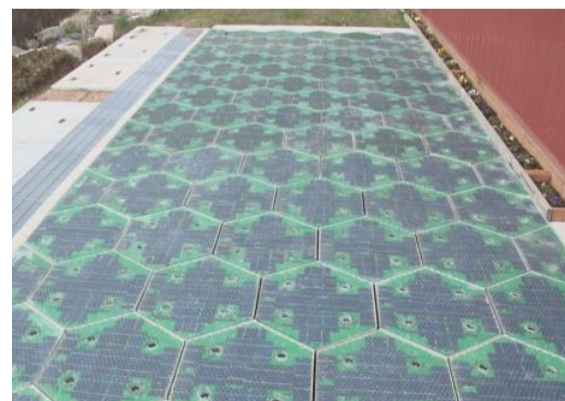
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Solar Roadways : Revolutionizing Roadways

Solar Roadways Incorporated is a start-up company based in Sandpoint, Idaho, that is developing solar powered road panels to form a smart highway. Their technology combines a transparent driving surface with underlying solar cells, electronics and sensors to act as a solar array with programmable capability. Solar Roadways Inc., is working to develop and commercially produce road panels which are made from recycled materials and incorporate photovoltaic cells. In 2006, the company was founded by Scott and Julie Brusaw, with Scott as President and CEO. The company envisioned replacing asphalt surfaces with structurally-engineered solar panels capable of withstanding vehicular traffic. The proposed system would require the development of strong, transparent, and self-cleaning glass that has the necessary traction and impact-resistance properties. Scott and Julie made extremely conservative calculations, that if the US road

system was covered with their SR2 panels, they could produce at least 14,085 Billion Kilowatt-hours in one year. Their SR2 Panel was able to generate approximately 302.506MWh per year per lane mile, enough to remove 86 homes from the grid on a 2 lane road.



Solar Roadway
Installed for testing purpose at the backyard of their house

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Rock Concert @ Silver oak

On 3rd of January a rock concert was organized at our campus. Various international artists turned up at our college and mesmerized the crowd of more than 3000 youngsters of the city. The evening reached its peak by the energetic performance of multiple rock bands. Students cheered and gave highest applause at the arrival of the star cast from the most acclaimed Gujarati movie 'CHELLO -DIVAS'. On the same occasion the teaser of TALAASH-16 was released.

The Rock Concert was organized as a prevent of the Main event 'SABARMATI RIVERFRONT FESTIVAL', where more than 500 students of our college participated as volunteers for 4 days and successfully coordinated the event.



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Glimpses of T&P Activities @ SOCET

Training and Placement cell always plays an heroic role in the transition of students life. Same is with the Training & Placement Cell of our Campus and has done exceptional work for student community. Different training sessions for all the students which includes resume writing, Corporate Etiquettes, GD,PI and aptitude training are conducted. TPO cell has been conducting Soft Skill sessions which includes more than 50 Aptitude sessions arranged for 2015 batch and currently 26 Training sessions for 2016 batch has been conducted so far, these sessions are conducted by expert faculties, corporate trainers and HR personnel's from diff companies .

After getting trained students got opportunity to prove themselves and to receive their first job offers for 2015 passed out batch,106 companies in total have considered Socet for recruitment. Wherein more than 80 job offers were made to our students. If we talk about current scenario T&P Cell started approaching different companies for campus Placement of 2016 batch since September 2015 and they have approached more then 100 companies. 32 Companies has allowed students from SOCET to enrol in their selection process, wherein 43 job offers have been made to current final year students. The process is still active for 2016 batch and T&P cell is expecting to give many more opportunities to students

Below is the list of the companies which came for recruitment at SOCET for the first time

- > Reliance JIO Infocom Ltd
- > Elite Core
- > L&T infotech
- > Collabera
- > CyberRoom
- > Indusa Technology
- > Hindustan Cococola Beverages Pvt Ltd

Our Premier Recruiters :-



In conversation with Our Director

(It was a life time of experience talking with Shweta mam, I was extremely amused and inspired by the hard-work and motivates me to do the same, the day interview was scheduled she was very much busy but even though she gave overwhelming response and I am thankful for that. The talk goes as follows)

Mohib Mam you are tied with so many duties and responsibilities and managing multiple colleges, so how do you divide time and schedule things?

Shweta Mam See I have a kind of enthusiasm in me I just can't sit along but keep rushing from one place to other for my work, and I want things to be done in a systematic way. Even today after completion of my work at college I go to slum areas and teach underprivileged kids.

Mohib OH so mam, so you even take out time for teaching kids ?

Shweta mam I have got a time table for each day at different slum areas and kids there, always wait for me very eagerly and I can see extreme excitement on their faces that is the excitement of gaining knowledge and it is the only thing that satisfies me and again it gives me the energy to contribute more and more.

Mohib Mam please share something about your life?

Shweta mam I have baby boy, he is extremely lovely and he is my life. Same is with teaching, that's again the thing I love the most. Talking to students is the most amazing experience for me. dozens of students come to me and I am motivated a lot interacting with them.

Mohib What are your further ambitions ?

Shweta mam Silver Oak is like my dream; I want to see our college on the top of all the engineering colleges. I want whosoever passes out from our campus is achiever of the world; I want to provide quality education to every individual so that when he/she is in the competition with the world, they don't face any kind of problems.

Mohib And yes mam even we as students also see the same efforts from management and faculty side...

Shweta mam See, whenever you plan something big people will be there against you, then slowly and gradually things come on track but for that, one has to put consistent efforts, keep calm and aim high. See (*Showing me on desktop*) this I have got everything planned for the upcoming semester, Lesson planning , batch distribution for each class, class coordinator, schedules celebrations dates, curricular programmes and every other odd thing is pre planned and executed very well. We have got a perfect system for the feedback of each faculty in campus. At present we are doing recruitment and we have hired faculties from IITs Nit, yesterday huge number of applicants came from colleges across Gujarat. That shows people are curious about joining our college. For coming to this stage we needed a visionary and particular Principal for our college, which we have. I must say all of my HOD's are more than 100% committed for achievement, and they all are perfect in every sense. The success of tale is the reason joint efforts of every individual may it be the faculties or non-teaching staff and I am happy that we all are going to make it happen.



Mohib in talks with Mrs Sweta Khandwala

-:TECOS TEAM :-

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