Creating Breakthrough Performances

ECHELON
TRANSFORMING THE ENGINEERING EDUCATION

Corporate Relations & Placement Brochure

Echelon Institute of Technology
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Approved by AICTE, Ministry of HRD, Govt. of India, Directorate of Technical Education, Haryana and affiliated to M.D. University, Rohtak
next career move
# Contents

- About Echelon
- Chairman's Message
- Principal's Message
- Vision and Mission
- Board of Governors
- Courses Offered
- IIIPC
- Skill Development Initiative
- Infrastructure
- Academic Laurels
- Placement at a Glance
- Training & Placement Activities
- Life @ Echelon
- Training & Workshop
- Industrial Visit
- Guest Lectures
- Pieces of Assignments
- Our Entrepreneurs
- Alumni
- Feedback
- Out Industry Associates
- Team & Contact Detail
- Student Testimonials
About Echelon

Situated in Delhi NCR, Echelon Institute of Technology, Faridabad is a brand name among the comity of technical institutes. The Institute was founded in 2007 and in a short span of eight years, it has scaled great heights both in the academics and co-curricular activities and carved out a niche for itself among the renowned technical institutions. Echelon Institute is the first Institute in Haryana which has been accorded Outcome based Accreditation by National Board of Accreditation (NBA) as per Washington Accord & ABET norms. Earlier, Business Sphere Magazine declared Echelon Institute as A++ Grade Institute for its par excellence performance and honored the Institute at its ‘conferment of B5 9th Awards’.

Spread over a sprawling campus of 17.5 acres, the Institute is located far from the maddening crowd in sylvan surroundings on Khari-Manjhawali Road. Just 12 Kms away from Badkhal Chowk & 20 Kms from Badarpur border. Its serene and tranquil environments provide the right ambience for serious studies.

Equipped with its state-of-the-art infrastructure, highly qualified and experienced faculty and idyllic academic ambience, the Institute is fully geared up to meet the emerging trends in technology and management techniques. Echelon is being built as an institution with a difference—an institute where moral values are imparted along with quality education. The students are encouraged to inculcate inter-personal skills, right attitudes and proficiency in communication skills and group discussion-tools so essential for a successful career in any field.

The Institute is approved by AICTE, Directorate of Technical Education, Haryana and affiliated to M.D. University, Rohtak.
Chairman’s Message

It’s my great honor to talk to you people in the capacity of the Chairman of this august Institute. The campaign is dedicated to the transformation and evolution of engineering education. It’s indeed a pleasure to share with you and communicate with deep sense of gratitude towards my colleagues as co-trustees and faculty of this institute, that the very values we abide and live on day-to-day basis in conducting this noble mission are that of collaborative creation, respect for universal life, constant learning, value enhancement, conscious continuous impact on quality of life, commitment to humane technology and a deep thirst for integrated holistic growth of all.

To make a meaningful and an impactful contribution to the needs of the industries, we recognize that the need of the hour is the creation of jobs in the country. We are geared and ever ready to learn and grow to meet the challenges on regular basis with the evolving society, culture and technology.

In pursuit of these aspirations and courses, we are already committed and engaged in creating a skill development through various programmes as envisioned by the Parliament and the Prime Minister. Wishing to make a leading contribution in fulfilling the aspirations and the ambitions of these great schemes envisaged by the Prime Minister, we have already started developing small centers for skill development in the villages around Faridabad.

Training and placement is central in fulfilling and achieving that aim. Recognizing that, we invite the industries to partner with us in training the students and the faculty and sharing with us on regular basis the needs of the industry and how we can always keep the students ready to meet the expectations as demanded by industry and country. We invite you to the future of Engineering education, where students can theoretically and practically understand the trends of engineering and technology. Besides they should be drinking and breathing essence of engineering and technology and giving vision to the culture of future communities.

We assure you, our students will be an asset to your organization.

The Chairman
Shri Prashant Agarwal

Principal’s Message

Dear Recruiters,

Adequate professional competency and adaptability are of utmost requirement to survive in this rapidly changing technological world. We at Echelon Institute of Technology, take pride in maintaining high academic standards to prepare our students to meet global challenges. This is the only Institution in Haryana and also among very few Institutions in the country which offer outcome based NBA accredited programs as per Washington Accord and ABET Norms. The Institute is having:

- State-of-the-art laboratories and workshops.
- Well qualified faculty members with distinguished background.
- Guest Lectures through eminent personalities from academia as well as industry.
- Effective mentoring support for career guidance and counseling.
- Life skills & communication skills development classes for students to face external world with confidence.
- Special value added courses, beyond university curriculum, to acquaint them with the latest technology.
- Special emphasis on in-house technical projects.

The Institute has AICTE funded Industry Institute Partnership Cell (IIPC) to ensure adequate industry exposure to our students. Our students will be an asset to your organization. We request you to visit our campus and have an opportunity to meet our students to evaluate them for recruitment.

The Principal

Ph.D (NIT Kurukshetra)
M.Tech (IIT Roorkee)
B.Tech (NIT Kurukshetra).

Prof. (Dr.) Bhim Singh has more than sixteen years of teaching, research and administrative experience.

He has published many research papers in various journals of repute. He has received the best paper award and best reviewer award from Emerald Insight.

He has delivered expert lectures and keynote speeches in various conferences and seminars across the world. Recently he delivered a keynote speech in ICSSM-2014 at Chicago, Illinois, USA. His research area is Production and Operation Management. Lean manufacturing, Just in Time and TQM are his areas of interest.

Dr. Bhim Singh
Principal
Vision
Technical Leaders engaged in the evolution of life being at the frontiers of continuous technological breakthroughs inspired by ongoing exploration of self, society and nature.

Mission
• To provide quality technical education with an aim to produce engineers of high professional competence and integrity.
• To sharpen original and creative thinking of students so that with their innovative ideas they can provide cost-effective business solutions and help build a strong India.
• To promote research and development in close association with other technical institutions of high repute and successful industrial business houses.
• To encourage students to participate in sports and co-curricular activities so as to develop their communication skills, team spirit, managerial capabilities and leadership qualities.
• To help our students grow as highly awakened and responsible citizens, committed to build bridges of understanding, peace and harmony amongst people.
Our country needs efficient, ethical and innovative industries to generate gross product and employment for achieving better quality of life for our people. Our institute seeks to provide suitable engineers in the chosen disciplines to empower the industry and thereby the whole nation.

I call upon our students to acquire up to date knowledge, technical and physical skills and utilize the same with positive aptitude to serve the industry/organization they get an opportunity to work with.

I also assure the potential recruiters of our budding engineers in the disciplines of Mechanical, Electronics, Civil, Computer science and Information technology, of our full co-operation so that they can select desired candidates with requisite aptitude and skills from our reputed Institute.

**Industry Institute Partnership Cell (IIPC)**

Industry Institute Partnership Cell (IIPC) facilitates best career prospects for the students. The IIPC has been established to prepare the students of Echelon for facing the challenges of the current diversified and globalized economy. It combines the academic power of the institution with the dreams and ambition of its students.

IIPC of the institute strongly acknowledges the need of present competitive scenario. In this context, IIPC is committed to provide support in every walk of the students’ career guiding and building. The Vision of IIPC is to participate in the institute’s Vision by helping the students to get adequate awareness and confidence through industrial visits, summer & vocational trainings, seminars, guest lectures and workshops and thereby empower students to successfully participate in various recruitment drives through individual, joint and off-campus events. Besides, the mission of IIPC is:
• To motivate students to identify their strengths and thereby choosing the fields and organizations for getting summer trainings.
• To develop rapport and interaction with industry and thereby know their needs and accordingly, persuade our students to acquire the skills which can fulfill the needs.
• Arrange workshops, guest lectures, seminars, industrial visits and specialized training agencies to develop awareness and requisite skills among our students.
• To have full interaction with industry so that they take positive interest in offering slots for Vocational and Industrial training to our students and thereby open the gates for their placement as well.
• To have Liaison with industry and offering them our campus infrastructure for conducting joint or individual campus recruitment drives.

Services provided by IIPC
• To provide vital link between the students and prospective employers
• To invite an assortment of industries and reputed firms for guest lectures, campus talks and campus recruitment
• To provide resources and conduct activities which facilitate the career planning process
• To empower students with life-long career decision-making skills
• To bring awareness to the students regarding their future career options
• To assist the students in obtaining final placement in reputed companies
• To work with faculty members, departmental heads and administration to integrate career planning and academic curriculum as also to coordinate Project Work/ Summer Training/ Internship programs
• To plan and organize career talks & personality development workshops

Training & Placement Cell
IIPC has continuous interaction with the industries in order to give industrial exposure to the students of the institute. The prime objective of the IIPC is to maintain strong industry-institute linkages and strive for the overall development & grooming of the students according to the Industry requirements by conducting workshops, seminars and conferences both at national and international level. IIPC has maintained a sound rapport with large number of reputed companies, industrial conglomerates and prestigious business houses.

Students are also provided in-house training in order to give extensive exposure for improving their technical skills like Java, PHP, Dot Net, Embedded, Auto CAD, CAD, and so on, as per industry requirements. Apart from this, students are also provided extensive training in personality development, aptitude and logical reasoning skills. The department also conducts pre-placement talks and activities for enhancing the employability skills and awareness of students. Students are also assisted to clarify and develop their academic and career interests, and their short and long-term goals through individual counselling.

Alumni Cell
The alumni of any institution are the voice that radiates the virtues of the institution constitutes the primary industrial linkages of the institution and earns reputation that the present and future stakeholders of the institution can be proud of.

Five of our batches have already passed out, and the name of this institute is proudly placed in many corporations and universities of repute. Since the institute’s best advocate is its alumni, it gives its best to foster an interactive interface between the alumni and current teaching faculty and students.

The Institute organized its first Alumni Meet on August 4th, 2013 in order to enable the alumni to relive their fond memories and facilitate inception of strong linkages between the alumni and the future engineers-to-be.

Entrepreneurship Development Cell
A great idea starts in a great mind. However, the successful execution of this idea takes a lot of people—whereas, managing so many people takes just one person - a great Entrepreneur. Every engineer who has invented some new technology, or is adept at creating solutions, strives to take a step to take that solution to market as an entrepreneur. Today, emerging economies like India need the drive and innovation of young entrepreneurs.

To provide a platform for such young budding talents to develop their entrepreneurial skills and to get a real time experience at entrepreneurship, Echelon Institute of Technology has set up Entrepreneurship Development Cell (E-Cell) to foster the spirit of entrepreneurship amongst young engineers by exposing them to the joys and challenges of entrepreneurship. The E-Cell encourages and assists the budding entrepreneurs by showing the path which leads to opportunity and by providing them with necessary resources and tools, so that they can develop and hone their entrepreneurial skills, knowledge and abilities which are a pre-requisite for a budding entrepreneur.
Skill Development Initiative

India is today poised at that moment in history when it can realize the dream of providing brighter future and quality life to all its people. Skills and knowledge, the two driving forces of employment generation, economic growth and social development, will help India actualize this potential.

Focus on skill development has shifted lately because of various factors. Firstly, the changing demographic profile of the country (94% of its population is below 25 years of age) secondly, the rising aspirations of our youth seeking better job avenues and thirdly, ever growing requirements of industry for an efficient and well trained workforce.

Realizing that skill development is key to India's global competitiveness as also to individual's access to decent employment, the Prime Minister has given an ambitious target of creating 500 million skilled workers by 2022. Hence, it devolves upon all the educational, particularly technical institutes to help National Skill Development Initiative in increasing capacity and capability of skill development programme.

Echelon Institute has already launched Skill Development Programme as envisioned by Hon'ble Prime Minister under the aegis of Institute’s Entrepreneur & Skill Development Cell. As we see a close connection between skilling & entrepreneurship, we seek to create synergies between the two so that our youth can aspire to being both job seekers & job creators. In order to promote self-employment, soft skills and entrepreneur skills will be made integral part of Skill Development. But for enterprise to compete in global economy, the quality of training should not only be of global standards but also relevant to the needs of national and international markets.

Then, 'Skill' has both intrinsic and instrumental value. Possession of a skill can be an end itself.

It gives a person greater self-confidence, self-esteem and dignity, coming from the knowledge that they can now stand on their own feet. But a skill can also be a means to an end, a tool that helps an individual realize his aspirations by pursuing better jobs leading to stable and sustainable income.

To achieve the vision of 'Skilled India', Echelon seeks to provide competency based skills according to the level of knowledge, proficiency in skills and aptitude of trainees.

Situated in NCR region as the Institute is, it plans to move into various knowledge centers in small towns and the villages around to bestow a dignified and empowered life to ruralities by digitizing rural education. We would like adolescents in villages to lead quality life by experiencing the latest technologies and train them to fully utilize the joys of internet. Students working people will be imparted skill in web-designing and training in DoIACC ‘O Level’. 10 + 2 pass students can be skilled in cloud designing, cyber security and ethical hacking and web designing with PHP.

Workshop facilities available at the Institute will be utilized to impart trading and working skills in fields like welding, electrician, carpentry/wood work, sheet metal working, forging machinist to operate machine tools like Lathe, drilling and grinding machine and related activities. Basic training on automobile & engines can also be imparted.

This opportunity can be availed by residents/youth of the nearby surrounding rural areas where proper government institutes like ITI/ Polytechnics are not available. Youth can develop these skills and become entrepreneurs to not only earn their own decent livelihood but also provide employment opportunities to others as they grow/expand their scope of operations over a period of time. This will contribute/ enhance the social status and growth of the nation.

But we do realize that skill like any other learning is a lifelong process. Hence skill up gradation and reskilling will form fundamental components of skilling cycle. In order to train the trainers, the Skill Development Cell of the Institute will organize regular workshops and seminars to keep them abreast of emerging trends and developments in their respective domain.
Infrastructure

In its endeavor to provide quality education to its students and to meet the emerging trends in technology, Echelon has constantly been striving to raise excellent infrastructure facilities on its own campus. The Echelon can legitimately claim its state-of-the-art infrastructure, and advanced laboratories and workshops to be of global standards. Some of the salient features of the infrastructure include:

Wi-Fi Enabled Campus

The Institute is completely Wi-Fi enabled and seamless Internet Connectivity is available to the students, faculty and staff round the clock.

Library: The Knowledge Centre

Library is the brain-trust of any educational institute. Institute’s Library is located in a separate block in the college building with air conditioned facility. It has been systematically and steadily strengthened. The library operation and services are fully computerized with “e-granthalaya”, and a Bar-Code based circulation system is in use. The library is equipped with 31118 volumes of 3169 titles related to different streams. Besides number of Encyclopedias as valuable knowledge resources. The library also subscribes to 134 national and international print journals, as well as 35083 on line journals. It also keeps 25 technical magazines and 5 general magazines. The library also has a separate reading hall for the students to sit and study in a peaceful atmosphere.

Laboratories

Echelon Laboratories are well equipped with the latest equipment and software. Departments of Physics, Chemistry, ECE, CSE, CST, CE & ME have their respective labs with multiple sets of instruments to cover not only the university syllabus but also to provide overall practical knowledge of theory subjects to improve their basic science foundation.

Computer Centre

The Computer Centre is equipped with i5, i3 and dual core PCs with 4 GB/2GB RAM. All computers are fully networked through high speed LAN with Cisco Routers and managed with switches having Internet connectivity of 20 Mbps, 1:1 R/Flink along with Wi-Fi (2.4GHz), Echelon Computer Labs are equipped with more than 650 computers served by a powerful server over LAN.

Life Skills and Communication Lab

Echelon Institute of Technology has established a Language Laboratory to promote efficient language learning among student’s. The facility provides access to digitally enhanced multimedia contents and enables students to actively participate in language learning exercises and get more practice than otherwise possible in a traditional classroom environment. Students can now speak simultaneously without distracting each other regardless of the class size. Here the students get an opportunity to develop, rectify, adapt and practice language learning exercises to become more competent.

Lecture Theatres

Classrooms at Echelon are on the pattern of lecture theatres equipped with Audio-Video facilities, besides being well lit and air-conditioned for the most appropriate teaching learning environment. They are not only well equipped for conducting classes, but also good for conducting Aptitude Tests pertaining to campus drives.
Seminar Halls
The Institute has the proud distinction of maintaining a fully air-conditioned Seminar Hall equipped with PA system and modern audio-visual aids. Besides hosting the monthly assemblies in order to interact with the faculty and students, the seminar hall also hosts various academic activities, extension lectures, educational and training programs for students and faculty, company placement talks and presentations. The Central Seminar Hall can accommodate more than 300 persons at a time. Apart from the Central Seminar Hall, every department has its own Seminar Hall with a capacity of more than 150 students which is utilized to conduct departmental activities.

Conference Rooms
The Institute also has two modern Conference Rooms. The conference rooms are fully air-conditioned and are equipped with LCD & Wi-Fi. They are also appropriate for conducting Group-Discussions of students during campus drives.

Hostels
Hostel life helps a student cultivate self-dependence, independent thinking, cooperative spirit and managerial capabilities. Echelon has, therefore, provided for residential accommodation on campus itself both for boys and girls. Both the hostels are fully air-conditioned, spacious and well furnished with beds, study tables, chairs and cupboards. The hostel Mess provides “Ayurvedic Delicious Food” which is nutritious and hygienically prepared. Recreation rooms with television, newspapers, magazines and indoor games/sports are an integral part of the Echelon residential system. Both the hostels have 24x7 power back up and security arrangements. The boarders also enjoy the extra facility of using internet and working in the Computer Centre beyond regular working hours of the institute.

Guest House
Inside the lush green campus, we have a spacious guest house with all facilities for comfortable living. Recruiters visiting our campus, especially those travelling long distance, can stay in our guest house. Hospitality is optimum and the campus by itself provides a very calm, peaceful, green and pleasant environment.

Faculty Residence Complex
The Institute is having a beautiful faculty residence complex within the campus. The presence of faculty and their families has not only added colour and life to the campus but also afforded the students an opportunity to interact with their faculty who are easily accessible to the students round the clock.

Recreational Facilities
To keep the students energized and motivated and for their overall development, the Institute provides for the facilities of a Football ground, Basketball Court, Volleyball Court, Cricket Net, Amphitheatre, Gymnasium, Recreation Room, Table Tennis on the campus itself. Medical emergency support is also provided.

The Transport Facility
Echelon has a fleet of buses of its own to ferry students staying outside the campus from places like Faridabad, Ballabgarh, Delhi, Palwal etc. Transport staff is well trained, courteous and well behaved. The facility is also available to students and faculty for attending conferences, seminars, educational tours and cultural functions.
### Academic Laurels

**GATE/CAT Qualified Student**

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<tr>
<th>S.No.</th>
<th>Student Name</th>
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<td>CSE</td>
<td>2011-2015</td>
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**Placements At a Glance**

**Batch 2009-13**

- **Total Placements:** 147
  - **CSE:** 36%
  - **ECE:** 28%
  - **ME:** 13%
  - **IT:** 23%

**Batch 2010-14**

- **Total Placements:** 143
  - **CSE:** 58%
  - **ECE:** 42%

**Batch 2011-15**

- **Total Placements:** 118
  - **CSE:** 57%
  - **ECE:** 43%
### Training & Placement Activities At a Glance (2014-15)

<table>
<thead>
<tr>
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<th>Company</th>
<th>Activity</th>
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<tbody>
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<td>Larsen &amp; Toubro/Mr. H. K. Pandey-Deputy GM</td>
<td>Guest Lecture for ME Students</td>
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<td>SKM Design Pvt. Ltd.</td>
<td>Campus Drive for Mechanical</td>
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<td>Mrs. Pija Walia Maan(Prof. SGI Panigrahi)</td>
<td>Guest Lecture for Final Year</td>
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<td>Campus Drive for CSS/EEC</td>
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<td>Cognizant Oil &amp; Gas(Mr. S. K. Pandey-LDE)</td>
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<td>Binary Semantics Limited(Surgoan)</td>
<td>Campus Drive for pass out batch (All Branches)</td>
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### Training & Placement Activities At a Glance (2013-14)

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Mentoring

Mentoring mechanism in the institute has been designed for the overall development of the students. We have a dedicated mentor on a group of 20 students so as to personally monitor their academic growth, their conduct and behavior with their peers and also to facilitate their career development. The mentors also maintain individual student’s record of their academic performance and their potential beyond academics with the purpose of their three sixty degree development. The mentors are also in regular touch with the parents of their mentees to acquaint them of their ward’s performance in the institute and to enlist their cooperation in making the students regular in attending classes. The mentors take all constructive steps to transform them into a good scholar, a future technocrat and above all a valuable asset to the society.

Life Skills and Communication

Life skills education in the Echelon is a structured program which initiates participatory learning that aims to enhance positive and adaptive behaviour by facilitating the students to develop and practise psycho-social skills and function effectively in this highly competitive environment. This course lays emphasis on skills related to training for individual and group empowerment. Besides the course has distinctive teaching methodology and in-built training component which equips the learners to become practitioners in life skills training in various settings and instilling in them the confidence and ability to work in group, build a result oriented team, take decisions, lead and communicate professionally, making them ready to face the present corporate world.

Sports & Recreational

Echelon offers a wide range of sports and recreational facilities. The friendly but keen competition in the various sports prepares the students to face the challenges they may encounter in the future.

Clubs & Communities

The will to win the desire to succeed, the urge to reach your full potential... these are the keys that will unlock the door to personal excellence.

Sankalp

Sankalp is a venture by Echelon students—a society of the students, by the students, for the students, to exhibit their skills in different domains and get exposed to the outside industrial world. Our students take pride in a job well done, however small it may be. The college provides a wealth of opportunities for extracurricular pursuits. Students find their niche and at the same time enjoy exploring uncharted domains. In the process, without their being aware of it, a different aspect of their personality emerges and is honed. Students with varied interests ranging from dance to community services can join any of the following clubs according to their preferences and explore their talents.

Echelon has 21 different clubs to boast of:

- Carpe Diem — The Literary Club
- The Good Samaritan Club
- The Science Club
- The Mathematics Club
- The Computer Club
- Robocon—the Robotics Club
- Design and Manufacturing Club
- Electronika—the Technical Club
- Forensics world—the Cyber Forensics Club
- Anubhooth—the Cultural Club
- Taal—the Dance Group
- Raag—the Music Group
- Abhinand—the Theatre Group
- Chitrashalabh—the Art and Decoration Group
- Clickmoments—the Photography Club
- Avante Garde—the Civil Engineering Club
- The Society of Automotive Engineering Collegiate Club
- Sports Club
- Yoga & Aerobics Club
- The Last Centre Club
- The Automate Club
Training and Workshop

It is mandatory for the students of Echelon to go in for Industrial Training in their final semester of B.Tech, in partial fulfillment of the requirement of the degree. The students in 2nd and 3rd year are also provided rigorous training in collaboration with industry professionals for a period of six weeks during the summer vacation in order to acquaint the students with latest technologies as per their domain of interest/specialization. Constant monitoring of their training is conducted by the department. Analysis of industrial training is carried out on the basis of evaluation report received from the industries, content and presentation of the training report submitted by the students and viva-voice conducted by the expert committee constituted for the purpose.

We at Echelon provide a host of domain, tool and technology specific workshops to engineering students. Till date our departments of Mechanical Engineering, Electronics and Computer Engineering, Computer Science Engineering and Civil Engineering have organized number of workshops for our future engineers. The topics are well structured and are designed to benefit beginners as well as students who are preparing for job interviews. We approach rich mix of in-house trainers, industry consultants and subject-matter experts for workshops.
Industrial Visits

In order to give first hand industrial experience to engineering students, Echelon organizes industrial visits where the students relate their academic theories with industrial practices and get practical knowledge. Through industrial visits every student gets practical exposure that adds value to his/her overall knowhow pertaining to the related domain. This paves the way for students to further expand their knowledge, not only theoretically but also in terms of practical applications, so that they can join their future recruiters with a strong grasp of their domain knowledge.

- At **Maruti Suzuki India Ltd.**, students learnt about assembly line of engines and transmission system of cars.
- At **Hero Moto Corps**, students got the practical experience on automobile technologies used in modern day industries.
- At **Tecumseh**, students got the practical experience on first high-speed hermetically-sealed compressor for commercial applications, when they visited the Assembling line of AC Compressor for refrigerator.
- At **Escorts Limited**, the students learnt about technology and mechanism to build up the Agriculture Machinery (Tractor) and tools, in the Manufacturing unit of Agricultural Machinery (Tractor) & Tools.
- At **JCB India**, students observed the functioning of the assembly line of the manufacturing plant.
- At **AG Industries**, students have observed and gained knowledge of how plastic components are manufactured for the automotive sector.

- At **Vicotra Tools**, students got a practical exposure in the area of manufacturing components of sheet metal.
- At **Munjal Showa**, the students visited the manufacturing plants. There, each group of students was taken separately and explained the functioning of the plant, how the manufacturing units focus on Total Productivity, Total Quality, Zero Defect, etc. The students were taken around the factory and were explained about the complete channel of stations on the assembly station.
- At **Dish TV**, the students observed how the software department, control rooms and antenna systems work.
- At **Infosys**, as a part of their SPARK programme, the students were taken around the campus of Infosys in order to give the students an exposure to live work culture and technological developments in Information Technology industry.
- At **ABB**, the students took interest in various industrial transducers for process control instruments, electric motor assemblies and testing. Students took a lot of interest in operating the processing machines themselves.
- At **Thomson Press**, the students observed the functioning of various electronic sensors for the processes related to paper folding and printing.
- At **Sahasra Electronics**, the students were taken to the shop floors of the manufacturing plant in order to observe and get idea of how LED lamps are manufactured.
- At **Panasonic Experience Center**, the students were given a wonderful tour to demonstrate them latest technology brought to the world by Panasonic technology that is not only sophisticated but also eco-friendly.
Guest Lectures

Words of Wisdom
“The function of education is to teach one to think intensively and to think critically. Intelligence plus character - that is the goal of true education.”
—Martin Luther King, Jr.

Let us think of education as the means of developing our greatest abilities, because in each of us there is a private hope and dream which, fulfilled, can be translated into benefit for everyone and greater strength for our nation”
— John F. Kennedy

Echelon has initiated a lecture series programme under which eminent personalities from the fields of academia and industries are invited to deliver their enlightening talks and motivate the students. This affords the students an opportunity to emulate and imbibe the skills and experiences of these knowledgeable personalities.

• Padmashri Prof. (Dr.) Yashpal, the “Grand Old Man” of science, was the first to inaugurate the series. He elucidated the intricate and complicated scientific issues in a common man’s language.

• Eminent scientist & researcher Padmashri Dr. D Balasubramanian, Director of Research, L.V.Prasad Eye Institute, Hyderabad, Visiting Professor, University of South Wales, Sydney, Australia, Senior Fellow, University of Melbourne, and a recipient of numerous national and international accolades, visited Echelon Institute of Technology, Faridabad to enlighten the students through an invited talk on the topic “Technology to the Aid of Life Sciences”.

• Dr. Naresh Gupta, CEO of Adobe India highlighted the various facets of “Making an organization”. He shared his personal experience in establishing “Adobe India”

• Shri Raman Nagpal, Sr. Director Print & Scan Business, & Shri Akhilesh Ghose, Sr. Product Manager of Adobe India addressed the students & faculty members on the topic “Fostering Growth and Innovation”. They also demonstrated a new printing technology that would help in reducing the paper and ink wastage by going in for only relevant and compressed printing, known as “Green Technology”.

• Prof. (Dr.) K S Rao, Professor at Department of Civil Engineering, IIT Delhi and also founder Director of Echelon, frequently visits the institute and guides the students as well as faculty on various issues like technology, career and research. Recently he delivered a lecture on the topic “Issues Related to Teaching and Learning”.

• Shri Rakesh Atre, Associate Vice President of Munjal Showa, delivered a speech to the students of Mechanical Engineering on TPM and lean manufacturing. He had been associated with reputed organizations like Bharat Steel Tubes, Gabriel India, Ranautro Ltd, Essel Inti, to name a few. He has been associated with Munjal Showa since 1999.

• Shri Hemant Kr Pandey (Sr. Deputy General Manager) & Shri R.C.Patel (Manager Mechanical) of Larsen & Toubro (L&T), delivered a captivating presentation and speech on the over view of a power plant, different types of power plants, thermodynamics of thermal power plants, improving cycle efficiency, supercritical parameters, Brayton cycle, HRSG.

• Shri. Neeraj Joshi, Counselor - HO & OD at Confederation of Indian Industry (CII), visited Echelon to deliver a motivating talk on “Building Next Gen Leaders – Talent Alignment”. He stressed on what the future awaits for the next generations and how the youth has to channelize its talent for achieving great heights in these dynamic changing times.

• Shri Gautam Khandelwal, MD, Norma Industries visited Echelon to deliver a motivational talk to the students.

• Shri. Ashok Thakur, Secretary, MHRD, Govt. of India visited Echelon on 24th April 2013 and delivered a motivational talk to the students.

• Shri. Ashish Mathur, CGM, Escorts India Limited visited Echelon on 16th October 2013 and delivered a talk on “Functioning of an Organization” to the students

• Padmashri Prof. (Dr.) K.L. Chopra, Former Director, IIT Kharagpur, visited Echelon on 27th December 2014 and delivered a lecture on “Applications on thin films and Nano-materials”

• Vishal Gupta, Assistant Manager-HR, Samsung India Ltd, visited Echelon on 29th March 2014 and delivered a lecture on “The Art of Getting Recruited”

• Shalendra Kr. Pandey, Lead Design Engineer, Cegelec Oil & Gas, Abu Dhabi (UAE) visited Echelon on September 22nd, 2014 and delivered a lecture on SDH / PDH transmission which included OFC & Radio transmission.

• Prof. Puja Walla Man, Dean, CGI, Samalakha visited Echelon on September 3rd, 2014 and delivered a lecture on Engineering as a career in current scenario.
Pieces of Assignments
Kart-2, SAE-BAJA-2015

A team of 18 students qualified the Virtual round - Gujra (133 colleges qualified out of 300 institutes drawn from all over India. Our institute was one of the 4 colleges qualifying from Haryana).


Four Colleges of Haryana that qualified in SAE-BAJA-2015 for virtual round. Were: (i) Echelon Institute of Technology, Faridabad (ii) YMCA University of Science and Technology, Faridabad (iii) NIT Kurukshetra (iv) Maharishi Markandeshwar Engineering College, Haryana

Echelon participated in Dynamic round held at Indore, M.P.

Eco-cart - 2014

Eco Kart is an All India Competition "To Design and Fabricate a Single Passenger Kart" which is operated by a Motor run by a battery. There are two rounds of this national competition, 1st is virtual round and the 2nd is dynamic round.

Team SANKALP of 5 students (NS Ram Naveen, Puneet Mahotra, Rakshit Bhattan, Anurag Khattir and Rahul Sharma) of the club participated in virtual round and qualified it. After qualifying the virtual round students participated in dynamic round and showed an excellent performance. The team was awarded with Best Design Award (Trophy) and a cash prize of Rs. 10000/.

Determination of different properties of soil near Yamuna River, Faridabad, using modern Geotechnical Equipments.

All the required experiments were performed by departmental students and staff members at site and laboratory experiments were conducted using equipments like Standard Penetration Test, Plate Load Test, Cone Penetration Test, Atterberg's Test, Permeability Test etc.

Campus Survey

Civil engineering students conducted a detailed campus surveying using both basic and modern surveying equipments. AutoCad map was created and different walk throughs were conducted. This project suggested suitable drainage for the campus.

Projects

Color Sorter Robot

This project dealt with an automated material handling system. The movement of robotic arm is synchronized to pick up the objects moving on a conveyor belt. It aims at classifying the colored objects which are coming on the conveyor by picking and placing the objects in its respective pre-programmed place. Thereby eliminating the monotonous work done by human, achieving accuracy and speed in work. The project involves Matlab Image Processing Tool that senses the object's color and sends the signal to the microcontroller. The microcontroller sends signal to motor drivers which drive the various motors of the robotic arm to grip the object and place it in the specified location. Based upon the color detected, the robotic arm moves to the specified location, releases the object and comes to the original position.

The Desert Cooler

The Desert Cooler is a cooler with automatic temperature and humidity control. The cool and humid air from the desert cooler is sensed by the sensor, which converts these physical parameters into digital data. If the temperature and relative humidity which is collected from the sensor is out of the comfort zone window, the microcontroller sends the control bits through a RF transmitter to receiver. At receiver end we have two relays that upon getting control signal turns off the fan motor or the water pump.

Plunger Analysis Software (PAS)

Plunger Analysis Software is a single page web application used for optimizing the performance of plunger based artificial lift systems in natural gas production wells. PAS, based on three-tier architecture, a client-server architecture (presentation), functional process logic ("business rules"), computer data storage and data access, is developed and maintained as independent modules.

Plunger Analysis Software takes the complexity out of tuning a plunger control system. By processing relevant trend data and analyzing the key areas that need adjusting, we can:

- Increase production volumes
- Lower operating costs
- Prevent well shut-ins from liquid loading

Name of the student: JASLEEN

Achievement- 4th Prize at Faridabad Industry Association(FIA), Seemetutor.com

Seemetutor.com is an online video tutorial website that has been launched and is running live for users to be accessed worldwide.

It is a PHP based project aimed at developing an online on-request video tutorial system. It also makes use of web technologies like HTML5, XML, CSS, Word press.

The website helps students from all over the world looking for online teaching guidance on various subjects, and also aims at automating the flow of requests that come from customers for course specific teachers or trainers.

How does it work? The customer requests a time block at a minimal decided price at which a faculty is made available to him/her for the desired course type.

Special features: This project provides teaching courses and tutors for hearing impaired as well.
Our Entrepreneurs

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Shrooms Creatives
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Saurabh Mahajan
CEO
NULED-Philips Lighting Solutions
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Gunjan Gujral  
System Engineer at Infosys Ltd.  
Address: Faridabad, Haryana, India

Vaibhav Malhotra  
Senior Software Engineer at Innodata Inc.  
Address: New Delhi, Area
Recruiters Feed Back

- Good infrastructure and good quality of students should be given more emphasis on programming, practice and should be taught on architectural concepts. I can see growth potential.
  - Naveen Khurana, IT Technologies ltd.

- Good hospitality and quality of students. Needs to be groomed in few areas of technical as well as personal front.
  - Anshul Sinha, NIT Technologies

- Very good college, faculty and students too! good hospitality and need to introduce SS- Stem & Typh Banas
  - Rakesh Alok, Murjals Shows ltd.

- It was a wonderful experience with students having great personal skill sets. Wish the college good luck.
  - Sakshi Tanuja, Mahindra Comviva

- Very good institute to organize interaction / training session for students were very enthusiastic & interactive, they need to work further on their technical skills.
  - Sonali Sarkar, Mecharles Researcher Pvt. Ltd.

- First of all, I would like to thank IIT to invite me for campus recruitment. We liked every thing in the campus. We would just like to suggest that please send only those students to take part in the process who are competent.
  - Vishal Gupta, Asst Manager, HR Samsung R&D Institute India, Noida

- Collage is good enough. Students were good. A great experience.
  - Arvind Sharma, Rlyon softech ltd.

- Very well organized and planned campus. Good batch of students. The campus looks very well kept and grand. Would definitely like to hold a campus again. Thank you for your hospitality.
  - Tulika Sharma/Bhanu Bhatia, ES research

- Students have good potential in them. Very good on communication skills. Was overwhelmed by the response of training and placement office. Keep up the good work.
  - Mahit Singh Dhillon, Genpact

- It’s a good experience second time. Collage staff are good enough.
  - Rlyon softech ltd

Our Industry Associates

- NIIT
- IBM
- Mahindra Comviva
- impetus
- HCL
- Syntel
- innovada
- Sopra
- Genpact
- iNex
- indiGrape
- Panasonic
- Larsen & Toubro
- Infosys
- SBI
- daffodiil
- Contrinex
- CII
- Internet Media
- giinsoft
- Samsung
- Simesh
- Frigate
- Astrowix
- Crossway
- Tata Consultancy Services
- JCB
- Suzuki
- Hero
- Maruti
- TAU
- QA Iinfotech
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Student Testimonials

Himadri Lal
Company: Saasfocus pvt. ltd
Designation: Quality Analyst
Place of company: Noida, Sector-58

“I can positively say Echelon Institute of technology has made me a better person. It has helped me develop a positive attitude towards my studies and discover more about myself. Teachers are very caring and interested in students’ well-being. They make sure every class is fun, educational and interactive. Along with that goes an increased sense of self-esteem and a feeling of accomplishment and personal satisfaction.”

Amandeep Singh
Company: Unitedex Ltd
Designation: Analyst
Place of company: DLF Phase 3 Gurgaon

Echelon institute of technology is the finest engineering college in Faridabad. Not only in studies but also there are co-curricular activities like mock interviews GD sessions and mock practice exams which gave me confidence to crack interviews. Also college supports us in every activity like Games, intercollegiate activities that helped a lot in elaborating my character in interviews. I must say with studies one needs to take an interest in these type of activities which are very interesting and helpful.

Anshul Arora
Company - Sudofire Technologies
Designation - CEO
Place of company - Gurgaon

"Echelon gave me a platform to realize that it’s alright if you are not the topper of the class as long as you know what you are good at.
I was head of the club activities and that helped me manage my responsibilities and lead from the front. The faculty guided me all along. I am glad that I was a part of this institution. Today my company has successfully launched 4 web portals and 2 mobile applications in a span of just 6 months. I owe it to my institution. Thanks!"
**Gaurav Saini**

Echelon institute of technology has provided me a good platform to showcase my talent. The ECE department with its good mix of young and experienced faculty has been very dynamic, at the same time has helped me sail through the tough semesters.

Company - Huawei Telecommunication (I) Co Pvt Ltd
Designation - Graduate Engineer Trainee

**Rahul Vashisth**

I can positively say Echelon Institute of Tech. has made me a better person. It has helped me develop a positive attitude towards my studies and discover more about myself. Teachers are very caring and interested in students' well-being. They make sure every class is fun, educational and interactive.

Company - Huawei Telecommunication (I) Co Pvt Ltd.
Designation - Graduate Engineer Trainee

**Prateek Singh**

Best college with best Faculty.

Company Name: Airtel
Designation: Executive Network Auditor

**Kritika Gupta**

I passed out from EIT in April 2015. Though I got placed in IBM through an off-campus drive, but this college and all my teachers and mentor helped me a lot in achieving my goals. It nurtured my confidence and team work. A lot of opportunities in form of organizational work and volunteer work that help you in building up healthy relationship. LSC classes helped a lot in developing the interview, communication skills that helped in grabbing the opportunities.

Company Name: IBM India Pvt. Ltd
Designation: Technical Representative