

INFORMATION BROCHURE  
Academic Session 2017-18

Awarded  
as most  
innovative  
engineering  
college



# Lyallpur Khalsa College of Engineering

Approved by AICTE & Punjab Govt. | Affiliated to IKG PTU, Jalandhar

## ENGINEERING

CIVIL | ELECTRONICS & COMMUNICATION  
COMPUTER SCIENCE | MECHANICAL



[www.lkcengg.edu.in](http://www.lkcengg.edu.in)



**Balbir Kaur**  
President, LKCE

## FROM THE DESK OF THE PRESIDENT

I am glad to share with you that Lyallpur Khalsa College of Engineering (Jalandhar) is a part of 100 years young – Khalsa College Lyallpur Educational Trust. Located in the heart of Doaba region of Punjab, it has been established to equip the students with technical and professional skills in the Engineering which is regarded as primary engines of economic growth, employment creation and prosperity. We believe that “Learning how to do things better- Matters”. It is with this conviction that we have established LKC-Engineering armed with modern infrastructure, latest pedagogical aids & experienced and dedicated mentors.

**The management of LKCE is committed in its endeavor to provide students with the best of the employment opportunities. We emphasize greatly on industry inputs, hands on training and facilitate the students on developing essential abilities & capabilities to make them more adaptable to the dynamic corporate and industrial environment in global perspective.**

**LKCE is a place, which ensures that the student receives a high quality education and an all round personality development.**

## THE TRUST

The Khalsa College Lyallpur Educational Charitable Trust has a glorious past in the service to the society especially in the field of education.

The seeds of the legacy were sown before partition- at Lyallpur (Pakistan) in the year 1908 by establishing the organization's first educational institute by the great sage, a kindred soul **Sant Attar Singh Ji Mastuana**.

After partition the governing council of the Trust established its roots at Jalandhar during the year 1948 through ardent efforts of **S. Swaran Singh Ji, Union Cabinet Minister** and thereafter the trust was headed by the renowned educationist & administrator **S. Balbir Singh Ji, Member Parliament** under whose able leadership and guidance the institutions run by the trust established its landmark in the field of education.

Presently under the leadership of **Sardarni Balbir Kaur**, the distinguished members of the Trust are successfully running a number of multi-disciplinary educational institutions with strength of nearly nine thousand students in the areas ranging from Arts & Literature to Management & IT.

## THE INSTITUTE

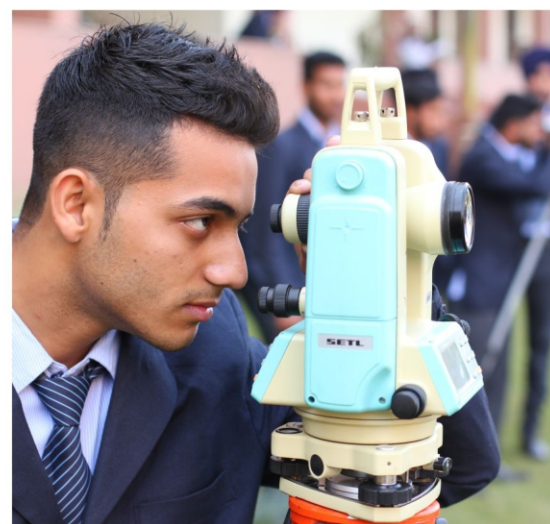
The Lyallpur Khalsa College of Engineering got established in 2013 under the aegis of Khalsa College Lyallpur Education Charitable Trust. The Institute is located in the heart of city on a prime piece of land. It was established with an aim to impart engineering education to the students to make them competent, motivated engineers and scientists. The institute as a first step will provide the education in the field of Mechanical Engineering, Civil Engineering, Electronics

& Communication Engineering and Computer Science & Engineering disciplines, the most sought after disciplines at present due to the huge potential for the industry absorbing the good students in these fields and very rapid investments taking place in the region. The Institute not only celebrates freedom of thought, cultivates vision and encourages growth, but also inculcates human values and concern for the environment and the society.

# PROGRAMMES

## • B.Tech. (Civil Engineering)

Civil engineering is a professional engineering discipline that deals with the design, construction and maintenance of the physical and natural built environment, including works such as bridges, roads, canals, dams and buildings. Civil engineering takes place on all levels, in the public sector from municipal through to federal levels, and in the private sector from individual homeowners through to international companies. A learner achieving this qualification will be competent to apply theoretical knowledge, practical experience and skills gained in their specialized area of civil engineering at the level of a Professional Technologist by interpreting, managing and applying current technology to complex specialist engineering activity.



Duration : 4 Years	Eligibility : 10+2	No. of Seats : 60
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## CAREER OPPORTUNITIES

SPECIALIZATION FIELDS	SECTORS
<ul style="list-style-type: none"> <li>• Construction and Maintenance</li> <li>• Planning and Designing</li> </ul>	<ul style="list-style-type: none"> <li>• Construction of bridges, dams, roads, harbors, sewer, pipelines and other structures</li> <li>• Survey, Design, costing, Estimating, Traffic studies, Drafting, Materials investigation and Testing</li> </ul>

## • B.Tech. (Computer Science & Engineering)

This is one of the most sought after stream and offers students an opportunity to become thorough professionals in Computer Science & Engineering. Computer Science focuses on the science of computing. It is desirable to have a CS-based education program to give due importance to applied aspects of computing. Its main objective is to impart to students a sound foundation and ability to apply engineering fundamentals, mathematics, science and humanities necessary to formulate, analyze, design and implement engineering problems in the field of computer science.



Duration : 4 Years	Eligibility : 10+2	No. of Seats : 60
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## CAREER OPPORTUNITIES

SPECIALIZATION FIELDS	SECTORS
<ul style="list-style-type: none"> <li>• Programming</li> <li>• Databases</li> <li>• Computing</li> <li>• Computer Graphics</li> <li>• Data structures</li> <li>• Networking</li> <li>• Web- Developers</li> </ul>	<ul style="list-style-type: none"> <li>• Software Development</li> <li>• Research &amp; Consultancy</li> <li>• Network Technologies</li> <li>• System Administration</li> <li>• Web Designing</li> </ul>

• **B.Tech. (Electronics & Communication Engineering)**

Electronics and Communication Engineering is one of the largest and fastest growing fields of engineering. It helps us to see, hear and communicate over vast distances and do things faster. Devices designed by Electronic Engineers feature in all aspects of modern life, including computers, mobile phones, robotics, the internet, digital television, satellites, aerospace, medical scanners, security systems and sustainable energy. Electronics has a major role in improving productivity in industries like oil, energy, agriculture and so many other important sectors of economy.



Duration : 4 Years	Eligibility : 10+2	No. of Seats : 60
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**CAREER OPPORTUNITIES**

SPECIALIZATION FIELDS	SECTORS
<ul style="list-style-type: none"> <li>• Microprocessors</li> <li>• Chip Designing</li> <li>• Electronics Design and Circuits</li> <li>• Digital Signal Processing</li> </ul>	<ul style="list-style-type: none"> <li>• Telecommunications</li> <li>• Hardware and Electronics</li> <li>• Designing Industry</li> <li>• Energy &amp; Power</li> </ul>

• **B.Tech. (Mechanical Engineering)**

Mechanical engineering is a diverse field that derives its breadth from the need to design and manufacture everything from small individual parts to large systems. The role of a Mechanical Engineer is to take a product from an idea to the marketplace. Students achieving this qualification will be able to independently integrate mechanical engineering principles, establish and use criteria to judge processes and outcomes. The main objective of mechanical department is to develop the ability among students to synthesize and analyze data and technical concepts for application to engineering problems and to work as part of teams on multi-disciplinary projects.



Duration : 4 Years	Eligibility : 10+2	No. of Seats : 60
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**CAREER OPPORTUNITIES**

SPECIALIZATION FIELDS	SECTORS
<ul style="list-style-type: none"> <li>• Design</li> <li>• Marketing</li> <li>• Maintenance</li> </ul>	<ul style="list-style-type: none"> <li>• Construction</li> <li>• Installation</li> <li>• Mining</li> <li>• Engineering and Production Companies</li> <li>• Building Service Contractors</li> <li>• Consulting Agencies</li> <li>• Automotive Plants</li> </ul>

• **Lateral Entry in B.Tech. (LEET) Programmes**

Lateral Entry Scheme is intended to admit meritorious Diploma holders to the Second Year/Third Semester of the B.Tech. courses to acquire a Degree in the Engineering. Lateral Entry Scheme is approved by Government of Punjab, AICTE and PTU, Jalandhar for 20% of the sanctioned seats in addition to total seats.

Duration : 3 Years
No. of Seats (In each Branch) : 12

## Collaborative Teaching-Learning Methodology

LKCE's innovative teaching techniques create a collaborative learning environment and builds stronger student/teacher relationship. At LKCE, the emphasis is laid on enhancing conceptual knowledge, building analytical reasoning, improving communication etiquettes and nurturing problem solving skills among the students. The curriculum focuses on teaching & understanding latest technologies and other technical competencies in the various disciplines of engineering to prepare our students to successfully perform in the industry or to become successful entrepreneurs.

“Tell me & I forget,  
Teach me & I remember,  
Involve me & I learn”

## FACULTY

LKCE's faculty members challenge their students, share insights gained through professional experience and communicate the knowledge they acquired throughout their lifetime. They are supportive in the classroom, active in the community and committed to teaching. The faculty members are expert scholars and teachers. They try their best to explore the potential in the budding engineers and demonstrate how to put theory into practice.

## Infrastructure

The state – of – the art infrastructure of the institute provides an ideal ambience for high-quality teaching and learning, making it the first choice of students in engineering courses at graduate level. The institute has the following world class infrastructure facilities for the students and the faculty:

- Wi-Fi campus with high speed internet facility.
- AC Classrooms with integrated audio-visual teaching aids.
- Knowledge equipped library with more than 3500 volumes along with 50 journals like Springer, Elsevier, IEEE, Wiley-Blackwell and many magazines of National and International repute.
- Seminar Room with modern audio visual aids.
- Hygienic and refreshing cafeteria for the students to interact with each other and recreate themselves.
- Safe, secure and spacious residential accommodation for girls and boys with modern facilities.

LKCE believe in giving hands on experience & practical exposure to students so that they can be well groomed as per the needs of industry. The laboratories in the institute provide opportunities to learn more using the most modern equipments. LKCE has following Applied Sciences Labs & Workshops:

### LABORATORIES

- Physics Lab.
- Chemistry Lab.
- Communication Skills Lab
- Programming & IT Lab.
- Basic Electrical & Electronics
- Engineering Lab.

### WORKSHOPS

- Machine Shop
- Welding Shop
- Carpentry Shop
- Fitting /Foundry Shop
- Sheet Metal/Smithy Shop



## Eligibility Criteria

For Engineering & Technology Courses, all those candidates who have passed the 10+2 examination from a board recognized or established by central/state government through legislation with **Physics** and **Mathematics** as compulsory subjects along with one of the following subjects:

- **Chemistry** • **Biotechnology** • **Computer Science and Biology**
- OR**

The candidates who have passed two years certificate course from Sant Longowal Institute of Engineering and Technology, Longowal (SLIET) shall be eligible for lateral entry 3 years Diploma Course from recognized Polytechnic College.

“Knowledge becomes wisdom only after it has been put to practical use”

### Scholarship Scheme (2017-2018)

PROGRAMME	RANK IN JEE	PERCENTAGE IN QE (%)	FEES CONCESSION (PER SEMESTER)
B.Tech (All Branches)	1-100000	91 and above	15,000/-
B.Tech (All Branches)	100001-200000	81-90	10,000/-
B.Tech (All Branches)	200001-300000	70-80	5,000/-

### Scholarship on the basis of Sports/Cultural

PROGRAMME	LEVEL OF PARTICIPATION	FEES CONCESSION (PER SEMESTER)
B.Tech (All Branches)	National	15,000/-
B.Tech (All Branches)	State	10,000/-

### Special Scholarships

TYPE OF CONCESSION	FEES CONCESSION (PER SEMESTER)
Sibling (Real brother/Sister ) Concession	50% of tuition fees
Employee (under the same trust) children concession	Rs 10,000/-
Fatherless/Parentless Concession	Rs 10,000/-
Students studying under the same trust concession	Rs 5000/-
Handicapped Students	Rs 10000/-

### • Appreciation award for class topper in PTU examination

Rs 2500/- for class topper in every semester	Rs 11000/- for PTU Examination Topper	Rs 50,000/- for Gold medallist in PTU
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