



# LYALLPUR KHALSA COLLEGE TECHNICAL CAMPUS

APPROVED BY AICTE & PUNJAB GOVT. | AFFILIATED TO IKG-PTU, JALANDHAR  
AND PSBTE & IT, CHANDIGARH

INFORMATION  
HANDBOOK 2021 - 2022

SCHOOL  
OF  
ENGINEERING  
**LKCE**

SCHOOL  
OF  
MANAGEMENT,  
HM & IT  
**KCL-IMT**



Sponsoring body: Khalsa College Lyallpur Education Charitable Trust, Jalandhar



**A Great Visionary**

**Architect of our success**

# **S. Balbir Singh Ji**

Sardar Balbir Singh Ji was born into the patriotic family which had played a vital role in the freedom struggle of India and thereafter enriched the democratic principles of Indian polity. While acquiring the higher education at Lyallpur Khalsa College he was profoundly active in the social spheres and was elected as member of state legislative assembly at a young age and was member of the Punjab cabinet from the year 1972 till 1977. During this period of service to the state of Punjab, he was elected as President of our governing council in the year 1973 and continued to guide and steer the group to its pinnacle till the year 2008. It was under his dynamic leadership that the various institutions of the trust gained prominence in the field of education. Apart from being an active parliamentarian as member Rajya Sabha (1992-1998) and member Lok Sabha (1999-2004), he was also devoted to the social causes of all strata of society and was patron of NRI Sabha and also Chairperson of Amateur Kabbadi Federation of India.

*From the desk of*

## **THE PRESIDENT...**



Welcome to  
**LKCTC!**

### *Dear Students,*

I am glad to share with you that Lyallpur Khalsa College Technical Campus, Jalandhar (LKCTC) is a part of 100 years young – Khalsa College Lyallpur Education Charitable Trust. Located in the heart of Doaba region of Punjab, it has been established to prepare the students with technical and professional skills in the field of Engineering and Management, which is regarded as primary engine 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 LKCTC armed with modern infrastructure, latest pedagogical aids & experienced and dedicated mentors.

The management of LKCTC 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.

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

Blessings

Balbir Kaur

## **From the Desk of THE HON'Y SECRETARY**

Lyallpur Khalsa College Technical Campus has successfully created a distinction for itself as a leader in imparting Technical, Management and Professional education. As college life is considered the foundation of one's professional future, we at LKCTC lay paramount emphasis on the enhancement of student's knowledge, ideology, personality, technical & professional skills through various curricular, co-curricular and extra-curricular activities.

At LKCTC, the faculty continuously enhances their knowledge acumen in synchronization with industry standards through their active contribution towards teaching and research & development through publications, participation in seminars & conferences at the national and international level and through conduct of seminars, workshops & faculty development programmes; and also through business consultancy by providing tailor-made solutions to the organizations for the business-managerial problems. These abilities of our competent faculty members enhance the knowledge learning and credentials of our students to make them become more adaptive for the corporate world.

Through our pertinent constructive efforts, we enable our students to reach new heights in life both personally and professionally. With this, I heartily welcome you to the Institute for an exciting academic life ahead.

Warm Wishes

***Urmiljeet Kaur***



## **From the Desk of THE DIRECTOR, Academic Affairs, KCL GROUP**



At LKCTC, we strongly believe in disseminating world class technical education, knowledge, creativity, leadership and having the best of the faculty drawn from the best of the Institutions of Northern India who have brought with them the best academic and industrial experience to enhance the knowledge of the students in order to help them to build a successful career.

LKCTC has the location advantage of being situated in the heart of the city; besides this, our Institute's state-of-the-art infrastructure and related facilities provide students with ample opportunities to involve themselves in extra & co-curricular activities. This helps the students to inculcate in them the feeling of self disciplined liberty and pro-active decision making.

At LKCTC, you are an integral part of our student community and we genuinely value your contribution, participation, personal growth and development beyond the classroom. Our students are our top priority and all our efforts are centric towards them. Further, I assure that at LKCTC you will have a wonderful and pleasing experience.

Warm Wishes

***S. Sukhbir Singh Chatha***

## **From the Desk of THE DIRECTOR LKC TC**



At LKCTC, Education is not just about the subjects that are learnt and taught in school. Becoming educated is not restricted to being in college, gathering certificates and feeling proud of oneself. It is a lifelong exercise that can be unbelievably exciting if only we wish to jump onto the train of experience and take a trip to every conceivable place on the earth. Now we know that this cannot be done literally, so how do we manage it, first in school and then in professional Institute. LKCTC is committed to continuously enhance capabilities and potential of budding entrepreneurs, managers as well as engineers with the sole objective of transforming them into leaders of tomorrow in their chosen interest.

At LKCTC we believe advance knowledge has become our key resource and our job is to deliver it to the students for their continuous upliftment in all facets of the life.

LKCTC has a legacy of decade old roots in education sector, now the institute has prime infrastructure tied up with modern equipments and a disciplinary environment. An academically strong and committed faculty is the backbone of LKCTC.

LKCTC ensures personal as well as professional growth of every student with their latest pedagogical tools, value based education and study beyond the classrooms. With this, I heartily welcome you to the institute to explore a brand new wonderful life and a bright future ahead.

Warm Wishes  
**Dr. Sunil Kumar Sood**

## **From the Desk of Dy. DIRECTOR, AA, KCL GROUP**

The joy of learning is elevated when the journey is towards a vision. In response to the intricacies of globalization, we at LKCTC strive to equip our leaders of tomorrow with the competence, ability and character to address emerging global business and technology and social challenges. We focus on nurturing the juvenile minds and preparing them for challenges in today's globalised technology.

Learning and growth at LKCTC are not confined to classroom and academic experience only. The students participate in rich and varied extracurricular and co-curricular activities too. The career prospects of our students are wide-ranging and fulfilling. The complete journey of imparting education at LKCTC is guided by our vision, mission and core values. I hereby welcome you to this journey of Intellectual exploration.

Good Luck!!  
**Dr. Ramandeep Singh Deol**



# School of Engineering



B. Tech. CE  
B. Tech. CSE  
B. Tech. CSE- Data Science  
B. Tech. ME  
B. Tech. ECE  
**Diploma Programmes**  
B.Sc. (Medical Lab Sciences)  
**B.Voc. Courses –**  
Software Development  
Automobile Servicing

# School of Management, HM & IT

MBA  
MCA  
BHMCT  
BBA  
B.COM (H)  
BCA  
**B.Voc. Courses –**  
Tourism & Hospitality Management  
Hospitality & Catering Management

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## OUR TRUST

The Khalsa College Lyallpur Education Charitable Trust has a glorious past of serving the society especially in the field of education.

The seeds of the legacy were sown before partition-at Lyallpur (Pakistan) in the year 1908 with the establishment of 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 have become a force to be reckoned with, 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 & Engineering.



## OUR INSTITUTE

The Lyallpur Khalsa College Technical Campus was established with the merger of two distinguished colleges of the region viz: Khalsa College Lyallpur Institute of Management & Technology established in the year 2010 and Lyallpur Khalsa College of Engineering established in the year 2013, under the aegis of Khalsa College Lyallpur Education Charitable Trust with more than 100 years of legacy.

Lyallpur Khalsa College Technical Campus (LKCTC), Jalandhar offers Courses in Engineering, Diploma, B Vocational, B.Sc in Medical Laboratory Sciences, Master & Bachelor programs in Management & B.COM (H), Computer Application & Hotel Management. It has been successfully imparting education to the students to make them competent, motivated engineers, scientists, administrators and programmers. The Institute not only celebrates freedom of thought, cultivates vision and encourages growth but also inculcates human values & concern for the environment and the society.



## **VISION**

To contribute to the region & the country at large by grooming students in science, technology & management through experiment based learning to make them globally competent technocrats, professionals, managers & entrepreneurs with good human values & ethics to serve the society.



## **MISSION**

- To maintain state-of-the-art infrastructure in campus.
- Cultivate leadership skills, teamwork ethics and entrepreneurial skills in students through corporate and industry collaborations.
- To blend theoretical knowledge with practical training programs.
- To encourage the faculty and staff in pursuing their own academic upliftment through training programmes, seminars, workshops, etc.
- To inculcate moral, ethical and spiritual values in education at all levels to cater societal needs.



# LKCTC Teaching Staff



## Our Leaders

**THE INSTITUTE IS REACHING NEW HEIGHTS UNDER THE GUIDANCE OF:  
Prof. Sukhbir Singh Chatha, Director, Academic Affairs, KCL Group**

**Prof. Dr. Sunil Kumar Sood** Director, LKCTC

**Dr. Ramandeep Singh Deol** Dy. Director, AA, KCL GROUP

**Mr. Arun Kumar Dutta** - Deputy Director (T & P)

**Prof. Jujhar Singh Dosanjh** - Professor - School of Management

**Mr. Anil Gangta** - Assistant Director, (AD & BD)

**Prof. Dr. Rajneesh Kakkar** - Professor - Applied Science Department

**Mr. Harpreet Singh** - HoD (B.Sc. - MLS)

**Mr. Arashdeep Singh** - HoD (HM)

**Mr. Abhishek Sachdeva** - HoD (Diploma)

### Few Committees & its Members

#### SCHOOL OF ENGINEERING

S.No.	Committee Name ↓	Department → Head of the Department	ECE Er. Navneet Gill	CSE Dr. Pooja Dhand	ME Dr. Vikas Rattan	CE Er. Tarundeep Singh	APPLIED SCIENCE Dr. Pawanpreet Kaur
1	Cultural & Student Induction & Innovation Cell	Dr. Nancy Gupta (Coordinator)	Er. Bindu Bansal	Er. Sarbinderpal Singh	Er. Harsh Kakkar (Co-Cordinator)	Ms. K. Vanisha Ms. Manisha	
2	Discipline Committee	Er. Silky Khurana Ms. Jasmeen	Er. Rajni Bedi (Co-Cordinator) Ms. Madhuri Sharma	Er. Aman Sharma (Coordinator)	Er. Rahul Vohra	Dr. Dilraj Singh Mr. Gurjot Singh Ms. Deepika Marwaha	
3	Examination Committee	Ms. Pallavi Sharma	Er. Vikram Dhiman Dr. Amarjeet Kaur	Er. Navdeep Singh (Coordinator)	Er. Gagandeep (Co-Cordinator)	Mr. Harpreet Singh	
4	CAD Committee	Er. Pallavi Sharma	Er. Varun Sharma (Co-Cordinator) Dr. Amarjeet Kaur	Er. Aman Sharma	Er. Abhishek Sachdeva (Coordinator) Er. Harsh Kakkar	Ms. K. Vanisha	
5	Research, Consultancy and Entrepreneurship	Dr. Nancy Gupta Er. Lovdeep Singh	Er. Vikram Dhiman (Coordinator) Dr. Geeta Sharma	Er. Gurnam Singh Er. Vishal Sharma	Er. Gagandeep Er. Harsh Kakkar	Ms. Ramandeep Kaur	
6	Social Sensitization & Infrastructure Learning, Resources/Governance, Institutional Support and Financial Resources	Er. Silky Khurana Ms. Pallavi Sharma	Er. Rakesh Gagneja (Coordinator) Er. Bindu Bansal Mr. Vivek Abhi	Er. Navdeep Singh Er. Vishal Sharma	Er. Gagandeep Er. Rahul Vohra	Ms. Shelly Ms. Praneet Dhaliwal	
7	Training & Placements Mr. Arun Dutta, Deputy Director, T & P (Coordinator)	Er. Lovdeep Singh Er. Silky Khurana	Dr. Amarjeet Kaur Er. Ranjit Walia	Er. Sarbinderpal Singh Er. Vishal Sharma	Er. Harsh Kakkar		

#### SCHOOL OF MANAGEMENT, IT AND HOTEL MANAGEMENT

S.No.	Committee Name ↓	Department → Head of the Department	Management Dr. Inderpal Singh	IT Ms. Nidhi Chopra
1	CAD Committee		Dr. Sonu Dua (Coordinator) Dr. Tarunjit Singh Ms. Anterpreet Kaur Ms. Parul Ms. Mohaneet Bedi Dr. Rupinder	Ms. Mangaldeep Urvashi Sharma (Coordinator) Ms. Mandeep Sandhu Ms. Ranjana Bahri
2	Cultural Committee		Ms. Anterpreet Kaur (Coordinator) Dr. Rajan Dhir Ms. Parul Nanda Dr. Rupinder Mr. Abhishek Sharma	Ms. Jasleen (Coordinator) Ms. Savita Rani
3	Training and Placement		Dr. Tarunjit Singh (Coordinator) Dr. Ritu Rana Mr. Abhishek Sharma Mr. Aashish Samuel	Mr. Kamal Nain Sharma (Coordinator) Ms. Priya
4	NPTEL Coordinator		Dr. Manisha Dhir (Coordinator) Mr. Karanbir Singh Klair	Ms. Jasleen (Coordinator) Mr. Rameshwar Singh
5	Media & Public Relations		Ms. Banita Thakur (Coordinator)	Ms. Mandeep Sandhu (Coordinator)
6	Discipline Committee		Mr. A S Rai (Coordinator) Mr. Bharat Bhushan Ms. Parul Nanda	Ms. Mangaldeep Urvashi Sharma (Coordinator) Dr. Amit Sharma
7	Anti-Ragging Cell		Mr. Arashdeep Singh Ms. Anterpreet Kaur Dr. Sonu Dua	Mr. Kamal Nain Sharma (Coordinator)

## LKCTC Non Teaching Staff



<b>Mr. Shyam Lal</b>	Office Superintendent - LKCTC
<b>Mr. Mannu</b>	MSK - LKCTC
<b>Mr. Surender Sharma</b>	Accounts Officers - LKCTC
<b>Mr. Puran Indu Lala</b>	Asstt. Accounts Officer - LKCTC

## School of Management & IT

<b>S. Gurmeet Singh</b>	Librarian	<b>Ms. Ramandeep Kaur</b>	Office Assistant
<b>Ms. Amandeep Kaur</b>	Network Administrator	<b>Ms. Rajvir Kaur</b>	Office Assistant
<b>Mr. Sukhpal Singh</b>	Lab. Technician	<b>Ms. Amandeep Kaur</b>	Office Assistant
<b>Ms. Roshni Sharma</b>	Lab Assistant	<b>Ms. Navneet Kaur</b>	Library Restorer
<b>Mr. Dharminder Kumar</b>	Lab Assistant	<b>Mr. Sukhveer Kumar</b>	Lab Technician
<b>Mr. Deepak</b>	Library Assistant		

## School of Engineering

<b>Mr. Baljit Singh</b>	Librarian	<b>Ms. Anjana Sharma</b>	Lab Technician
<b>Mr. Vivek Abhi</b>	Network Administrator	<b>Mr. Raman Kumar</b>	Lab Technician
<b>Mr. Ashwani Kumar</b>	Workshop Instructor	<b>Mr. Amanjot Singh</b>	Lab Technician
<b>Mr. Harpreet Singh</b>	Lab Technician	<b>Ms. Kirandeep Kaur</b>	Lab Technician
<b>Mr. Tarun Sharma</b>	Workshop Instructor	<b>Mr. Dinesh Kumar</b>	Lab Technician
<b>Mr. Surinder Kumar</b>	Workshop Instructor	<b>Ms. Gurpreet Kaur</b>	Lab Technician
<b>Mr. Gurpal Singh</b>	Lab Technician	<b>Ms. Kaushalya Devi</b>	Office Assistant
<b>Mr. Jatinder Kumar</b>	Lab Technician	<b>Ms. Priya</b>	Office Assistant
<b>Mr. Ravi Kumar</b>	Lab Technician	<b>Ms. Namita Rawat</b>	Office Assistant
<b>Mr. Muneesh Kumar</b>	Lab Technician	<b>Ms. Ranjit Kaur</b>	Ass. Librarian
<b>Mr. Ram Partap Singh</b>	Lab Technician	<b>Ms. Surinder Kaur</b>	Lib. Restorer
<b>Mr. Santosh</b>	Lab Technician	<b>Mr. Prem Sagar</b>	Daftari
<b>Mr. Shadi Lal</b>	Lab Technician		



## MASTER OF BUSINESS ADMINISTRATION (MBA)

Affiliated to IKG PTU, Jalandhar & Approved by AICTE

**Duration:** 2 years  
(4 Semesters)

**Eligibility :** Graduation in  
any stream

**No. of Seats:** 120

Management is an ever widening & ever growing field. Though its basics remain the same even today as these were in the past, but its scope and style in this age has undergone sea changes. School of Management was established with the mission of disseminating quality education in the field of commerce, business and management by enhancing the theoretical knowledge, creative thinking and implementation of ideas.

### VISION

To produce business leaders equipped with management and research skills, capable of making high-quality business decisions.

### MISSION

To achieve excellence by developing leadership skills, ability to find innovative solutions among the future budding corporate through responsible business leadership focus and by emphasizing modern techniques in teaching and research that cater to actual business requirements and stimulate innovative thinking.

### Course Rationale

MBA is an intensive 24 months journey that opens up students mind by bringing them out of comfort zone and completely extending their capabilities. It introduces the student to a new range of skills and tools, which is necessary to manage all kinds of business activities. The students by the end of this programme are ready to take all types of challenges of the new competitive world.

Designations	Sectors
Business Manager	• Retail
Project Manager	• Banking & Insurance
Management Trainee	• Hospitality
Portfolio Manager	• Aviation
Relationship Manager	• FMCG
Business development Manager	• Manufacturing
Research Analyst	• BPO
Entrepreneur	• PR and Advertising Agency
	• Consultancy etc.

### CAREER OPPORTUNITIES

The scope for an MBA graduate is unparalleled in every sector.



## Course Content of MBA

Semester I		Semester II	
MBA 101-18	<b>Foundations of Management</b>	MBA 201-18	<b>Business Analytics for Decision Making</b>
MBA 102-18	<b>Managerial Economics</b>	MBA 202-18	<b>Legal Environment for Business</b>
MBA 103-18	<b>Quantitative Techniques</b>	MBA 203-18	<b>Marketing Management</b>
MBA 104-18	<b>Accounting for Management &amp; Reporting</b>	MBA 204-18	<b>Human Resource Management</b>
MBA 105-18	<b>Business Environment &amp; Indian Economy</b>	MBA 205-18	<b>Productions &amp; Operations Management</b>
MBA 106-18	<b>Business Ethics &amp; CSR</b>	MBA 206-18	<b>Corporate Finance &amp; Indian Financial System</b>
MBA 107-18	<b>Business Communication for Managerial Effectiveness</b>	MBA 207-18	<b>.Entrepreneurship and Project Management</b>
		MBAGE 201-18	<b>Computer Applications for Business</b>
<b>MBA- Specialization Course Content</b>			

Semester III (Specialization)		Semester IV (Specialization)
<b>Group A (Marketing)</b>	1. MBA 921-18 Consumer Behaviour 2. MBA 922-18 Services Marketing	1. MBA 923-18 Integrated Marketing Communication and Brand Management 2. MBA 924-18 Retail and Sales Management 3. MBA 925-18 International and Social Media Marketing 4. MBA 926-18Bottom of Pyramid and B2B Marketing
<b>Group B (Finance)</b>	1. MBA 921-18 Consumer Behaviour 2. MBA 922-18 Services Marketing	1. MBA 913-18 Behavioral Finance 2. MBA 914-18 Mergers, Acquisition and Corporate Restructuring 3. MBA 915-18 International Finance and Financial Derivatives 4. MBA 916-18Personal Financial Planning & Taxation
<b>Group C (Human Resource Management)</b>	1. MBA 931-18 Organizational Change and Development 2. MBA 932-18 Employee Relations	1. MBA 933-18 International Human Resource Management 2.MBA 934-18 Strategic HRM 3.MBA 935-18 Leadership & Team Dynamics 4.MBA 936-18 Performance & Compensation Management

# MASTER OF COMPUTER APPLICATIONS (MCA)

Affiliated to IKG PTU, Jalandhar & Approved by AICTE

Globalisation has opened up vast opportunities for the computer software and hardware industry. Software is one of the fastest growing sectors of India. School of Information Technology at LKCTC endeavours to be at the forefront of churning out *software engineers* with high caliber of technical expertise. Besides imparting theoretical knowledge, importance is laid on hands-on training and all round development of the students.

## VISION

To set a benchmark in the region in terms of imparting technology oriented learning and to develop competent professionals to serve as a valuable resource for industry & society.

## MISSION

To produce industry ready technocrats capable of providing practical solutions to the problems of industry and society through practical, analytical and logical reasoning based learning process with emphasis on the aspect of software development.



Duration: 2 years (4 Semesters)	Eligibility: Passed BCA/B.Sc (CS/IT)/B.Voc with Computer as a major subject/Bachelor's Degree in CSE/IT or equivalent degree of minimum three years duration. <b>Or</b> Passed B.Sc./B.Com./ B.A. with Mathematics at 10+2 Level or at Graduation Level (With additional bridge course as per norms of IKG PTU Jalandhar)/ Bridge course will be exempted if the candidate apart from above qualification has passed PGDCA or minimum One Year Diploma in Computer Application/Science/IT or equivalent from any recognized University/Institution. <b>Note:</b> The candidate must have obtained at least 50% marks (45% marks in case of candidates belonging to reserved category) in the qualifying Examination.	No. of Seats: 30
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## Course Rationale

The Master of Computer Application program addresses advanced topics in IT through a dual focus approach. This approach aims to combine the application of research-based knowledge with the real world challenges experienced by working professionals in the field of Information Technology (IT). The program caters to the needs of IT academicians and professionals alike. MCA program explores various ways in which the integration and customization of new and existing technologies can meet the needs of a wide gamut of users.



## CAREER OPPORTUNITIES

This course offers various career opportunities, few of them are mentioned below:

Designations	Sectors
Program Analyst	• Web Technology
System Analyst	• Software Development
System Administer	• Mobile & Communication
Application/Game Developer	• Project Management
Website Designer	• BPO Information &
Graphic Designer	Security Agency
Software Tester	• Consultancy etc.

## Course Contents of MCA

Semester I		Semester II	
PGCA- B1	Computer Programming using C	PGCA1909	Web Technologies
PGCA B2	Computer Science Essentials	PGCA 1920	Design & Analysis of Algorithms
PGCA 1917	Discrete Structures & Optimization	PGCA 1918	Advanced Java
PGCA 1951	Programming in Python	PGCA 1956	Linux Administration
PGCA 1952	Advanced Data Structures	PGCA 1932	Information Security & Cyber Law Web
PGCA 1953	Advanced Database Management System	PGCA 1914	Technologies Laboratory
PGCA 1905	Technical Communication	PGCA 1922	Advanced Java Laboratory
PGCA 1954	Data Structures using Python Laboratory	PGCA 1957	Linux Administration Laboratory
PGCA 1955	Advanced Database Management System Laboratory		
PGCA 1908	Technical Communication Laboratory		



## B.Tech. Civil Engineering

Duration: 4 Years

Eligibility: 10 + 2 (Non-Medical)

No. of seats: 30

### Vision of the Department

The vision of the department is in consonance with the institutional vision in terms of becoming center of study, promoting society and ethical values. It is a recognized leader in Civil engineering, education and learning experience.

### Mission of the Department

- To serve the society by providing industrial oriented education to its students for a successful professional career.
- To inculcate professional ethics through quality and modern construction practices.
- To promote moral and ethical values among students.

### Programme Educational Objectives

- Graduates will have thorough knowledge in sub fields of Civil Engineering so that they can expertize themselves in the field of Civil Engineering. The programme covers the design as well as field knowledge of Civil Engineering.
- Graduates would be motivated to works collaboratively on various disciplinary projects so as to engage them in practical learning process that will help them to achieve their professional goals.
- Graduates will have upper hand in designing so as to make them able to participate in creative, synthetic and integrative activities of Civil Engineering.
- Graduates will have good communication skills so that they can able to express their ideas clearly and confidently.
- To create the curiosity, desire and ability to learn throughout the life among Graduates so that they will be competent enough to pursue higher education in technical or management field.



## Course Rationale

Civil Engineering is the art of directing the great sources of power in nature for the use and convenience of man. It refers to the practice of organizing the design and construction of any artifice which transforms the physical world around us to meet some recognized need. It is a branch with lot of diversity, right from structural to transportation engineering, environmental to hydrology to hydraulics engineering, geology to geo-technical to earth quake engineering.

## Scope of Employment

Civil Engineering is the key to several issues affecting our lives today. Civil engineers solve problems, design, build and maintain our living and working spaces. They design a new stadium, work on a local bypass or railway line, assess a damaged structure and manage a multi-million pound construction project.

- Civil Engineering Consultants/Contractors.
- Construction of Bridges, Dams, Roads, Harbors, Sewer, Pipelines & Other Structures.
- Survey, Design, Costing, Estimating, Traffic Studies, Draughting, Materials Investigation and testing.

## Laboratories

- **Survey and Geomatics Lab**
- **Concrete Technology Lab**
- **CAD Lab**
- **Transportation Engineering lab**
- **Structure Analysis Lab**
- **Geotechnical Engineering Lab**
- **Environmental Engineering lab**



## B.Tech. Computer Science and Engineering

Duration: 4 Years

Eligibility: 10 + 2 (Non-Medical)

No. of seats: 90

## B.Tech. Computer Science and Engineering (DATA SCIENCE)

Duration: 4 Years

Eligibility: 10 + 2 (Non-Medical)

No. of seats: 30

### Vision of the Department

To groom students into competent engineers and entrepreneurs, by inculcating technical education, ethical and moral values through measurable and continuous improvement methods.

### Mission of the Department

- To model students ready for industry by grooming their employability skills using academia and corporate collaboration.
- To blend theoretical knowledge and practical applications with the aid of trainings, peer learning and sound academic practices.
- Cultivate leadership skills, social awareness and responsibility among the students through various co-curriculum and extra curriculum activities.
- To encourage the involvement of faculty in pursuing their own academic excellence through the aid of faculty development programmes, short term training programmes, seminars, workshops, etc.



### Programme Educational Objectives (PEOs)

- To provide the basic knowledge of engineering concepts and fundamentals to Computer Graduates by logical and practical approach for problem solving and function effectively as a skilled computer engineer and pursue their higher education or emerge as an entrepreneur.
- To inculcate creative abilities by imparting knowledge and skills to analyze, design, test and implement various software applications.
- To instill leadership capabilities, social-economic orientation, commitment to one's profession, professional ethics and community services for the protection of environment.



## Course Rationale

Computer Science and Engineering department aims to prepare the young engineers by imparting high quality technical education coupled with appropriate training and wide exposure in form of MOUs, linkages, industry oriented programmes, workshops, expert lectures, etc. The department promises to strive ahead to meet the future challenges in technological developments and deliver the bounties of frontier knowledge for the benefit of human kind.

### B. Tech CSE with specialization in Data Science (DS)

This specialization is a new, exponentially growing field which teaches the students how to combine machine learning techniques, algorithms, tools, business acumen and mathematics and apply on raw data to extract useful information from it. The programme encompasses Data Science as an interdisciplinary, problem-solving oriented subject that teaches how to apply scientific techniques to practical problems.



## Scope of Employment

Computer science and engineering has revolutionized a world that was there only a moment ago, continues to have unparalleled impact in today's world, and has a steadily increasing scope that is shaping tomorrow's world. There are thousands of national and multinational software companies that offer jobs to Computer Engineers, some of the famous names are IBM, CISCO, TCS, WIPRO, INFOSYS, GOOGLE, MICROSOFT, YAHOO and ORACLE.

- Software Developers
- Design Engineers in Web Applications, Network Security and management solutions
- Computing and IT Consultants
- System Administrator
- Finance Industry
- Simulation in IT companies

## Laboratories

- Computer Networks Lab
- Programming Language Lab
- Operating System Lab
- System Programming Lab
- Data Structures Lab
- RDBMS Lab
- Open Source Lab
- Incubation Lab

# B.Tech. Electronics and Communication Engineering

Duration: 4 Years

Eligibility: 10 + 2 (Non-Medical)

No. of seats: 30

## Vision of the Department

To meet global standards of excellence in academic activities related to Electronics & Communication Engineering through innovative and effective teaching practices, industry tie-ups & to produce creative solutions to societal needs.

## Mission of the Department

- To provide a vibrant & dynamic academic environment through industry collaborations, usage of modern tools, innovative teaching learning aids & experienced faculty.
- To achieve global recognition by providing ethical and value based education aiming at enhancing employability of graduates through proper career guidance, skill development and promotion of entrepreneurship.
- To inculcate human or moral values in students through an honest & scientific approach making them socially responsible citizens.

## Program Educational Objectives (PEOs)

- To acquire the knowledge of Mathematics, Science and Engineering fundamentals to solve complex engineering problems in analog/digital electronic system/subsystems.
- To achieve professional excellence through industry-oriented learning.
- To Promote best teaching practices to enhance the technical, logical, & managerial skills in graduates so that the students communicate effectively and manage resources skillfully as members and leaders of the profession.
- Ethically and socially responsible for the development of country and community.



## Course Rationale

Electronics Engineering drives our world of new technologies. 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. The Department fully recognizes the vital nature of this kind of supervised study to prepare students in the areas ranging from Microelectronics, Mobile Communications to VLSI design automation.

## **Scope of Employment:**

The developments of various fields like nanotechnology, robotics, high speed automated processors in embedded systems and image processors provides budding engineers a wide range of opportunities. An electronic engineer can be hired in Consumer electronics manufacturing organization, Telecommunication & IT industries, Health care equipment manufacturing, Mobile communication, Internet technologies, Power Electronics, and other industries like steel, petroleum and chemical industry, directing control and testing production process.

- Biomedical Instrumentation
- Mobile Communication
- Defence Industry
- Space and research organizations
- Manufacturing- PCB, IC etc.
- Electronic industries – Design and fabrication of devices, embedded systems etc.
- Instrumentation in Automobile Industry
- IT Companies

## **Laboratories**

- Digital System Design Lab
- Analog Circuits Lab
- Signal and Systems Lab
- Digital Signal Processing Lab
- Analog and Digital Communication Lab
- Microprocessors and Microcontroller Lab
- Linear Integrated Circuits Lab
- Electronic Measurements and Instrumentation Lab
- Microwave Engineering Lab
- VLSI lab



## B.Tech. Mechanical Engineering

Duration: 4 Years

Eligibility: 10 + 2 (Non-Medical)

No. of seats: 30

### Vision of the Department:

To build up finest graduates from the Department of Mechanical Engineering by achieving better-quality performance together in current and upcoming technologies and to make them ethically strong to contribute to the region and the country.

### Mission of the Department:

- To impart best technical knowledge to the students to gain the finest practical and professional skills.
- To collaborate with the industries and research centres of repute to improve the technical and practical skills of the students.
- To provide friendly environment to the faculty for participation in academic and research activities in order to help the students to accomplish their desired objective.
- To provide the excellent infrastructure facilities pertaining to Mechanical Engineering.

### Programme Educational Objectives (PEOs)

- Apply the fundamentals of mathematics, science and engineering to solve the engineering problems of design, production, quality and manufacturing pertaining to core and related engineering domain.
- Accomplish the professional task with managerial attributes and engineering skills in an ethical and responsible manner.
- Demonstrate motivation towards pursuing higher education in the institutes of national and global repute to deal with prevalent / emerging needs of society and industry.
- Pursue their career in the reputed organizations engaged in the manufacturing, design and other associated fields.



## **Course Rationale**

Mechanical Engineering has been the medium through which the single most important socio-economic revolution known as the Industrial Revolution had found its expression in the 19<sup>th</sup> century. Because of the higher level of instrumentation, automation and computerization of the products and processes, there has been an enormous development and refinement in manufacturing technology. Manufacturing engineers are required by all kinds of companies which manufacture a great variety of machines, robotics and other equipment. A manufacturing engineer may be responsible for the design, selection of materials, specifications and the improvement of production processes and equipment.

## **Scope of Employment:**

Mechanical Engineers are hired in thermal power industry, gas turbines industry, air conditioning and refrigeration industry, oil and gas exploration and refining industries, agricultural sector, educational sector, aviation companies, shipping industries, aerospace industry, armed forces, pharmaceutical, automobile industry and many other government sectors.

- Computer Aided Designing and Manufacturing
- Product Engineering Industry
- Automobile Industry
- Defence Industry
- Aviation Industry
- Maintenance Industry
- Infrastructure Industry



## **Laboratories**

**Manufacturing Processes Lab**

**Theory of Machines Lab**

**Strength of Materials Lab**

**Fluid Mechanics Lab**

**Applied Thermodynamics Lab**

**Engineering Materials and Metallurgy Lab**

**Automobile Engineering Lab**

**Heat Transfer Lab**

**Computer Aided Design and Manufacturing Lab**

**Mechanical Measurements and Metrology Lab**

**Industrial Automation and Robotics Lab**

**Fluid Machinery Lab**

**Refrigeration and Air Conditioning Lab**

**Mechanical Vibrations Lab**





## 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 Engineering. Lateral Entry Scheme is approved by Government of Punjab, AICTE and PTU, Jalandhar for 10% of the sanctioned seats in addition to total seats. No. of seats available in each branch are as follows :



Duration	Branch	No. of seats
3 Years	Civil Engineering	3
3 Years	Computer Science & Engineering	9+3
3 Years	Electronics & Communication Engineering	3
3 Years	Mechanical Engineering	6



## B.Sc. (Medical Lab Sciences)

B.Sc. Medical Laboratory Sciences (MLS) is a healthcare professional course concerned with the diagnosis, treatment and prevention of diseases through the use of chemical, hematological, immunologic, microscopic, and bacteriological diagnostic analyses. The objective of the course is to produce versatile Medical Laboratory Scientists equipped with adequate knowledge and skills in performing various laboratory analyses and tests related to patients' diagnosis and treatment and also for the prevention of disease. Lyallpur Khalsa College of Engineering offers B.Sc. Medical Laboratory Sciences (MLS) Programme affiliated to IKG-PTU, Kapurthala.



**Duration: 3 Years**

**Eligibility: 10 + 2 (Med. or Non – Med.)**

**No. of seats: 30**

B.Sc (Medical Lab Sciences) is concerned with the treatment, diagnosis and prevention of diseases through the use of clinical laboratory tests. Medical technicians can get job opportunities in places such as hospitals, health care clinics, medical pathology laboratories, research laboratories, urologists' offices, etc. The career opportunities in this course are as follows:

Medical Officer  
Medical Services Associate  
Resident Medical Officer  
Research Associate  
Medical Technologist  
Medical coder  
Laboratory Testing Manager  
Laboratory Manager  
Healthcare counselor



## Lateral Entry in B.Sc. (MEDICAL LAB SCIENCES)

**Duration: 2 Years**

**Eligibility: Diploma in MLT or D.Pharma from recognized board**

**No. of seats: 3**

# BACHELOR DEGREE IN HOTEL MANAGEMENT & CATERING TECHNOLOGY (BHMCT)

## MISSION:

Affiliated to IKG PTU, Jalandhar & Approved by AICTE and UGC Approved

School of Hotel Management & Catering Technology at LKCTC aims at producing professionals capable of being absorbed in more than half a trillion dollar industry comprising of various sectors like travel, tourism, leisure, entertainment and even sports. There are plenty of opportunities in this dynamic and continuously growing industry.

## VISION

To achieve excellence in the field of Hospitality Education by moulding the students from cross sections of the society and enhancing their skills to meet the challenges of the dynamic business environment.

## INFRASTRUCTURE AVAILABLE:

School of Hotel Management & Catering Technology has the world class infrastructure as detailed below to ensure the practical understanding of various Hospitality & Catering Operations among students :

- **FULLY FURNISHED AC CLASS ROOMS**

- **SMART ROOM**

(Equipped With Smart Board & Audio Visual aids)

- **FRONT OFFICE OPERATIONS LAB.**

(For training about hospitality/reception of visitors in a hotel)

- **BASIC TRAINING KITCHEN WITH DINING HALL**

(For equipping students with cooking skills)

- **GUEST ROOM LAB.**

(For training about Guest Room Operations in hotel)

- **HOUSEKEEPING LAB.**

(For understanding of Housekeeping Operations)

- **LANGUAGE LAB.**

(For improving communication skills of students)

- **TRAINING RESTAURANT WITH BAR**

(To enable students to learn the Restaurant-cum-Bar Operations)

Duration: 4 Years      Eligibility: 10 + 2      No. of seats: 60

Designations	Sectors
Hotel Managers	• Hotel & Tourism
Front office manager	• Airline
Executive Chefs	• Club Management
Assistant Managers	• Cruise Ship Hotel Management
Food and Beverage Manager	• Guest Houses
Restaurant and Food Service	• Resorts etc.
Managers	
Banquet Managers	
Entrepreneur	

## Course Rationale

BHMCT is a 4-year (8-Semesters) undergraduate course which aims to impart the modern necessary artifice and attributes required by a passionate student who wishes to develop and enhance skills of guest satisfaction in hospitality sector. The candidate learns the art and science of cooking, baking, and serving the guests. The course is framed to inculcate talents which are required at various stages in sectors like Hotels, Hospitals, Airlines, Cruise, Railways, Banks, Clubs and many more.



Semester I		Semester II	
BH-101	Food Science & Nutrition- I	BH-102	Food Science & Nutrition- II
BH-103	Communication-I	BH-104	Communication-II
BH-105	Accounts-I	BH-106	Accounts-II
BH-107	Computer-I	BH-108	Computer-II
BH-109	Food Production-I	BH-110	Food Production-II
BH-111	Food & Beverage Service-I	BH-112	Food & Beverage Service-II
BH-113	Housekeeping-I	BH-114	Housekeeping-II
BH-115	Front Office-I	BH-116	Front Office-II
BH-117	Hotel Engineering-I	BH-118	Hotel Engineering-II

## Practicals

BH-121	Food Production-I	BH-122	Food Production-II
BH-123	Food & Beverage Service-I	BH-124	Food & Beverage Service-II
BH-125	Housekeeping-I	BH-126	Housekeeping-II
BH-127	Front Office-I	BH-128	Front Office-II
BH-129	Hotel Engineering-I	BH-130	Hotel Engineering-II
BH-131	Computer-I	BH-132	Computer-II



# BACHELOR OF BUSINESS ADMINISTRATION (BBA)

Duration: 3 Years (6 Semesters)

Eligibility: 10 + 2 in any stream

No. of seats: 60

## Course Rationale

The objective of Business administration is organize people and resources in an efficient manner so as to achieve common goals and objectives of a company. The principles of business administration are of use in an individually run business entity as well as a Fortune 500 company. It has many specialized fields like marketing, human resource management & Finance. Graduation in business administration gives an early start to a rewarding management career.

## CAREER OPPORTUNITIES

The course provides the aspiring students a knowhow about the competitive business environment, which in turn enables the students to work in both public and private sector.



## Course Content of BBA

Semester I		Semester II	
BBA 101-18	Principles & Practices of Management	BBA201-18	Business Statistics
BBA 102-18	Basic Accounting	BBA202-18	Business Environment
BBAGE101-18	Managerial Economics I	BBAGE201-18	Managerial Economics II
BTHU103/18	English	EVS102-18	Environmental Studies
BTHU104/18	English Practical/Laboratory	BMPD202-18	Mentoring & Professional Development
HVPE101-18	Human Values, De-addiction and Traffic Rules		
HVPE102-18	Human Values, De-addiction and Traffic Rules(Lab/Seminar)		
BMPD102-18	Mentoring & Professional Development		

Semester III		Semester IV	
BBA301-18	Organizational Behaviour	BBA201-18	Business Research Methods
BBA 302-18	Marketing Management	BBA202-18	Human Resource Management
BBA 303-18	Cost and Management Accounting	BBAGE201-18	Financial Management
BBAGE 301-18	Production and Operation Management	EVS102-18	Entrepreneurship Development
BBASEC 301-18	IT tools for Business	BMPD202-18	Business Ethics and Corporate Social Responsibility
BMPD 302-18	Mentoring and Professional Development		Mentoring and Professional Development

Semester V		Semester VI	
BBA501-18	Operation Research	BBA601-18	Strategy Management
BBA502-18	Mercantile Law	BBA602-18	Company Law
	Elective-I		Elective-III
	Elective-II		Elective-IV
BMPD502-18	Mentoring and Professional Development	BMPD602-18	Mentoring and Professional Development

### Semester V (Specialization)

Any of the following groups each having two papers in Semester V can be chosen as specialization by the students.

1. Marketing	1. BBA 511-18 Consumer Behaviour 2. BBA 512-18 Advertising and Sales Management
2. Finance	1. BBA 511-18 Consumer Behaviour 2. BBA 512-18 Advertising and Sales Management
3. HRM	1. BBA 531-18 Industrial Relations & Labour Law 2. BBA 532-18 Organization Change & Development

### Semester VI (Specialization)

Any of the following groups each having two papers in Semester VI can be chosen as specialization by the students.

1. Marketing	1. BBA 511-18 Consumer Behaviour 2. BBA 512-18 Advertising and Sales Management
2. Finance	1. BBA 511-18 Consumer Behaviour 2. BBA 512-18 Advertising and Sales Management
3. HRM	1. BBA 531-18 Industrial Relations & Labour Law 2. BBA 532-18 Organization Change & Development



# BACHELOR OF COMMERCE (Hons.) - B.COM. (Hons.)

Duration: 3 Years (6 Semesters)

Eligibility: 10 + 2 in any stream

No. of seats : 60

## Course Rationale

Commerce being the life blood of an organization has gained tremendous momentum in the recent years. It has also thrown open multiple job opportunities in both the government as well as private sector.

## CAREER OPPORTUNITIES

The course provides the aspiring students a knowhow about the competitive business environment, which in turn enables the students to work in both public and private sector.

Designations	Sectors
Office Accountant	•Retail
Office Assistant	•Banking & Insurance
Tax Consultant	•Hospitality
Project Officer	•Aviation
Junior Officer	•FMCG
Auditors	•Manufacturing
Research Assistant	•BPO
Entrepreneur	•Consultancy
	•PR Agencies

## Course Content of B.Com (Hons.)

Semester I		Semester II	
BCOM 101-18	Business Organization & Management	BCOM201-18	Cost Accounting
BCOM 102-18	Financial Accounting	BCOM202-18	Business Environment
BCOMGE101-18	Managerial Economics	BCOMGE201-18	Business Statistics
BTHU103/18	English	EVS102-18	Environmental Studies
BTHU104/18	English Practical/Laboratory	BMPD202-18	Mentoring and Professional Development
HVPE101-18	Human Values, De-addiction and Traffic Rules		
HVPE102-18	Human Values, De-addiction and Traffic Rules (Lab/Seminar)		
BMPD102-18	Mentoring and Professional Development		



<b>Semester III</b>		<b>Semester IV</b>	
BCOM 301-18	Management Accounting	BCOM 401-18	Corporate Accounting
BCOM 302-18	Mercantile Law	BCOM 402-18	Company Law
BCOM 303-18	Human Resource Management	BCOM 403-18	Income Tax Law & Practice
BCOMGE 301-18	Indian Economy	BCOMGE 401-18	Entrepreneurship Development
BCOMSEC 301-18	Workshop on IT tools for Business & E-Commerce	BCOMSEC 401-18	Workshop on Computerized Accounting
BMPD302-18	Mentoring and Professional Development	BMPD402-18	Mentoring and Professional Development

<b>Semester III</b>		<b>Semester IV</b>	
BCOM501-18	Financial Management	BCOM 601-18	Industrial Relations and Labour Laws
BCOM 502-18	Goods And Services Tax	BCOM 602-18	Operation Research
BMPD502-18	Elective I	BMPD602-18	Elective III
	Elective II		Elective IV
	Mentoring and Professional Development		Mentoring and Professional Development

<b>Semester V (Specialization)</b> Any of the following groups each having two papers in Semester V can be chosen as specialization by the students.	<b>Semester VI (Specialization)</b> Any of the following groups each having two papers in Semester VI can be chosen as specialization by the students.
<b>1. Accounting &amp; Finance</b> BCOP 511-18 Personal Financial Planning BCOP 512-18 Advanced Financial Management	<b>1. Accounting &amp; Finance</b> BCOP 611-18 Security Analysis & Portfolio Management BCOP 612-18 Management of Financial Services
<b>2. Banking &amp; Insurance</b> BCOP 521-18 Banking Services Management BCOP 522-18 Insurance Services Management	<b>2. Banking &amp; Insurance</b> BCOP 621-18 Banking Laws & Services BCOP 622-18 Risk Management & Insurance



## BACHELOR OF COMPUTER APPLICATIONS (BCA)

Duration: 3 years (6 Semesters)

Eligibility: 10+2 (Any Stream)

No. of seats: 60

## BACHELOR OF COMPUTER APPLICATIONS- LATERAL ENTRY (BCA -LE)

Duration	Eligibility
2 years (4 Semesters)	a) All those candidates who have passed Matriculation examination AND have also passed 3 Year Diploma in any Trade from Punjab State Board of Technical Education & Industrial Training, Chandigarh or such Examination from any other recognized State Board of Technical Education, or Sant Longowal Institute of Engineering & Technology, Longowal. <b>OR</b> b) 10+2 with 1 year Diploma in Computer Application / IT (or equivalent) from a recognized University with Mathematics as course at 10+2 or DIT / DCA level.

### Course Rationale

Fast growing information technology and communication systems have become critical components of almost every company's strategic plan. Companies which want to take advantage of the new information technologies and communication systems require professionals, who can apply principles to solve problems produced by the interface between business and technology. This is an undergraduate program where students are exposed to various areas of computer applications including the latest developments to keep pace with the industry.

### CAREER OPPORTUNITIES

In the upcoming digitized market space, students have tremendous scope in the field of software and hardware industry besides setting up their own entrepreneurial ventures.

Designations	Sectors
Web Developer	•Web Technology
Programmer	•Software Development
Data Entry Operator	•Mobile & Communication
Network Administrator	•Project Management
Project Officer	•Banking & Insurance
Office Assistant	•BPO
Research Assistants	•Consultancy
Entrepreneur	



## Course Content of BCA

Semester I		Semester II	
UGCA 1901	Mathematics	UGCA 1907	Fundamentals of Statistics
UGCA 1902	Fundamentals of Computer & IT	UGCA 1908	Computer System Architecture
UGCA 1903	Problem Solving Using C	UGCA 1909	Object Oriented Programming using C++
UGCA 1904	Workshop on Desktop Publishing	UGCA 1910	Object Oriented Programming using C++ Laboratory
UGCA 1905	Problem Solving Using C Laboratory	UGCA 1911	Fundamentals of Statistics Laboratory
UGCA 1906	Fundamentals of Computer & IT Laboratory	UGCA 1912	Computer System Architecture Laboratory
BTHU103/18	English	EVS102-18	Environmental Studies
BTHU104/18	English Practical/Laboratory	BMPD202-18	Mentoring & Professional Development
HVPE101-18	Human Values, De-addiction and Traffic Rules		
HVPE102-18	Human Values, De-addiction and Traffic Rules(Lab/Seminar)		
BMPD102-18	Mentoring & Professional Development		

Semester III		Semester IV	
UGCA1913	Computer Network	UGCA1921	Software Engineering
UGCA1914	Programming in Python	UGCA1922	Database Management Systems
UGCA1915	Data Structures	UGCA1923	Operating Systems
UGCA1916	Computer Network Laboratory	UGCA1924	Software Engineering Laboratory
UGCA1917	Programming in Python Laboratory	UGCA1925	Database Management Systems Laboratory
UGCA1918	Data Structures Laboratory	UGCA1926	Operating Systems Laboratory
UGCA1919	PC Assembly & Troubleshooting	UGCA1927	Web Designing
UGCA1920	PC Assembly & Troubleshooting Laboratory	UGCA1928	Web Designing Laboratory
BMPD302-18	Mentoring and Professional Development	BMPD402-18	Mentoring and Professional Development



## B. VOCATIONAL COURSES

B.Voc (Bachelor of Vocation) is an emerging field in Engineering that aims to provide adequate skills required for a particular trade to candidates. It deals more with application based studies rather than focusing on only theoretical knowledge. The curriculum of B.Voc. Programs are designed to instill more practical skills, job training and project development to make students employable. Lyallpur Khalsa College Technical Campus offers following B.Voc. Programmes affiliated to IKG-PTU, Kapurthala.

### B. VOC. AUTOMOBILE SERVICING

Duration: 1/2/3 Years*	Eligibility: 10+2 (Any Stream)	No. of seats: 25
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All India Council for Technical Education (AICTE) Ministry of HRD, Government of India has introduced Entrepreneurship oriented Skill development courses of B.Voc (Automobile Servicing). In this course, general education content and sector specific skills will be imparted by Skill Knowledge Providers/ Training Providers/ Industries. After successfully completing this vocational course, the student would have acquired appropriate and adequate technical knowledge together with professional skills and competencies in the field of Automobile Servicing so that the student is properly equipped to take up gainful employment in this Vocation.



#### CAREER OPPORTUNITIES

FOR B.Voc.( Automobile Servicing)	Other fields for B.Voc. in Govt. and Private Sector are
<ul style="list-style-type: none"><li>•Automobile Maintenance Advisor</li><li>•Workshop Manager</li><li>•Spare Parts Inventory In charge</li><li>•Service Technician</li><li>•Quality Assurance Engineer</li></ul>	<ul style="list-style-type: none"><li>Military Engineering Services</li><li>Group Instructor</li><li>Entrepreneur</li><li>Workshop Technician</li><li>Project Analyst</li></ul>

### B.VOC. SOFTWARE DEVELOPMENT

Duration: 1/2/3 Years*	Eligibility: 10+2 (Any Stream)	No. of seats: 25
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The domain of Software Development covers a variety of streams ranging from operations to education, covering all kinds of human activities we could ever think of. In today's era, the growth of any company depends upon its efforts made in Software development. It has been a long felt necessity to align higher education with the emerging needs of the economy so as to ensure that the graduates of higher education system must have adequate knowledge and skills for employment and entrepreneurship in the field of computer.

## CAREER OPPORTUNITIES

FOR B.Voc. ( Software Development)	Other fields for B.Voc. in Govt. and Private Sector are
<ul style="list-style-type: none"> <li>• Technical Writer</li> <li>• Infrastructure Engineer</li> <li>• Associate CRM</li> <li>• Web Developer</li> <li>• Test Engineer</li> </ul>	<ul style="list-style-type: none"> <li>• Software engineer</li> <li>• QA Engineer</li> <li>• Consultant Network Security</li> <li>• Hardware Engineer</li> <li>• Social Media Manager</li> </ul>

## B. VOC. (TOURISM & HOSPITALITY MANAGEMENT)

Duration: 1/2/3 Years*	Eligibility: 10+2 (Any Stream)	No. of seats: 30
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Bachelor in Vocational (Tourism & Hospitality Management) programme is projected to ensure the candidates acquire knowledge required in Tourism division. This course covers both practical and theoretical aspects of managing the operations of Hotels and Airlines. This curriculum enables the aspirant to learn the overall handiness required in the Hospitality sector.

Students undergo on Job training during each semester to keep them apprised of the recent trends in Travel and Tourism.



## B. VOC. (HOSPITALITY & CATERING MANAGEMENT)

Duration: 1/2/3 Years*	Eligibility: 10+2 (Any Stream)	No. of seats: 30
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A blended training methodology, comprising of theory sessions and hands on practical training in industry simulated labs for intentionally creating real life working experience, helps students to familiarize themselves with their future workplace.

B.VOC. in hospitality and catering management carefully takes the students through the basics of the food services industry and involves them in the planning and organization of food and beverage services for various types of events.



## MULTIPLE EXIT OPTIONS IN B. VOCATIONAL COURSES

This course offers multiple exit options on the completion of first, second and third year respectively as:-

- On the completion of 1st year – Diploma (IKG-PTU)
- On the completion of 2nd year – Advance Diploma (IKG-PTU)
- On the completion of 3rd year – Degree (IKG-PTU)

## Diploma Programmes

Diploma courses have become popular among the students as they open up opportunities for student enrollment in colleges without the requirement of completing class 12. The Diploma courses after 10th are industry-focused and offer hands-on training in the respective field so that seeking jobs become easier. Students are directly appointed in various Private/Government schools after completion of diploma course.

Lyallpur Khalsa College Technical Campus offers following Diploma Programmes duly **approved by All India Council of Technical Education (AICTE) and affiliated to Punjab State Board of Technical Education and Industrial Training Chandigarh.**

### Diploma: Civil Engineering

Duration: 3 Years	Eligibility: 10th	No. of seats: 30
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### Diploma: Computer Science Engineering

Duration: 3 Years	Eligibility: 10th	No. of seats: 30
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### Diploma: Mechanical Engineering

Duration: 3 Years	Eligibility: 10th	No. of seats: 30
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#### Scope of Employment:

- Junior Engineer/Technical supervisors in Government (Central or State) or their allied Public Sector Units
- Top Government departments/ Companies hiring Polytechnic Diploma Graduates
- Railways
- Indian Army
- PWD B&R, Irrigation, Water supply & Sanitation, PUDA etc.
- GAIL, ONGC, DRDO, BHEL, NTPC etc.
- Supervisor/Technicians/Engineers in private sector
- Top private sector companies hiring Polytechnic Diploma Holders
- Construction Firms - Unitech, DLF, Jaypee, GMR Infra, L&T etc.
- Computer Engineering Firms - TCS, HCL, Wipro, Polaris, Siemens etc.
- Mechanical Engineering Firms - Maruti Suzuki, Toyota, TATA Motors, Mahindra, Bajaj Auto, Hindustan Unilever, Voltas, etc.

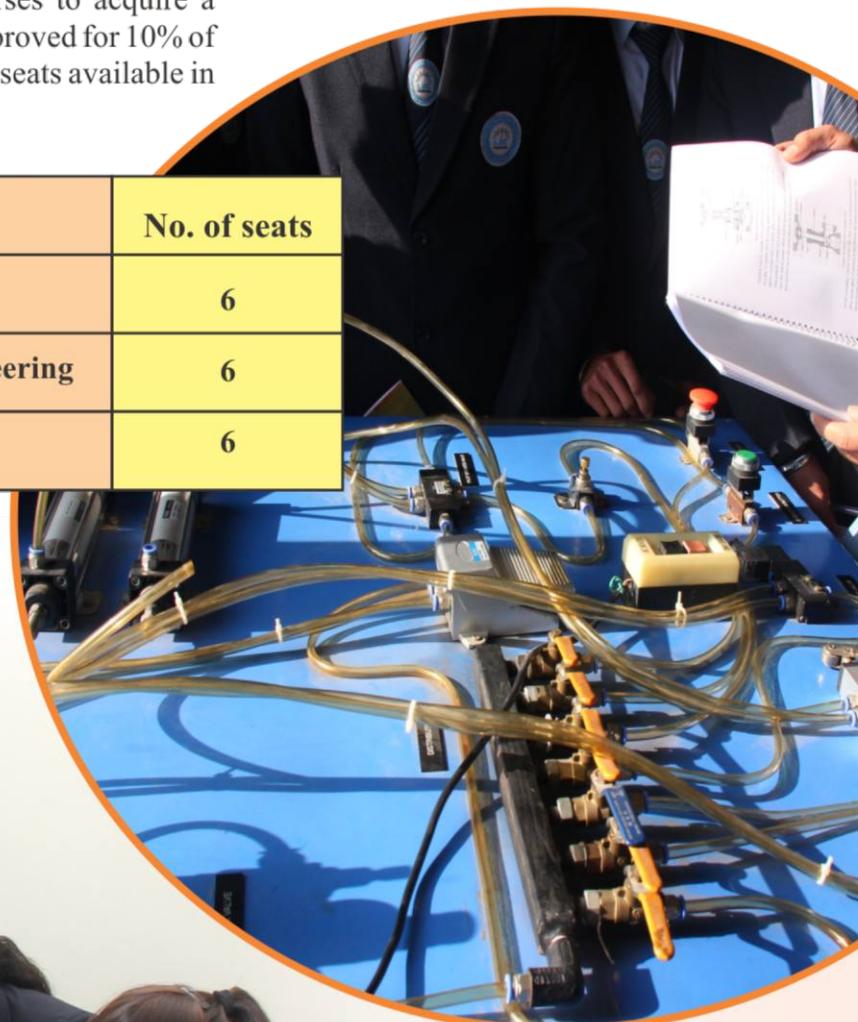


## Lateral Entry in Diploma (LEET) Programmes:

**Eligibility: 10+2 (Science/Vocational stream), ITI from recognized board.**

Lateral Entry Scheme is intended to admit meritorious students to the Second Year/Third Semester of the Diploma courses to acquire a diploma in Engineering. Lateral Entry Scheme is approved for 10% of the sanctioned seats in addition to total seats. No. of seats available in each branch is as follows:

Duration	Branch	No. of seats
2 Year	Civil Engineering	6
2 Year	Computer Science & Engineering	6
2 Year	Mechanical Engineering	6



## Applied Sciences Department

If you want a career where you can research and help in solving important problems for developing a marketable product, the Applied Sciences Lab at LKCTC is the place to start with. The institute has established Applied Sciences Labs to focus on current advances in research, production and use of Engineering (Applied Sciences in particular) and its role in upgrading the academic level of students by applying classroom learning in solving real life situations faced by them.



### The course contents of B.TECH. 1st Year are as under:

Semester I		Semester II	
BTPHXX-18	Physics	BTCH101-18	Chemistry-I
BTPHXX-18	Physics (Lab)	BTCH102-18	Chemistry-I (Lab)
BTAMXX-18	Maths-I	BTAMXX-18	Maths-II
BTEE101-18	Basic Electrical Engineering	BTPS101-18	Programming for Problem Solving
BTEE102-18	Basic Electrical Engineering (Lab)	BTPS102-18	Programming for Problem Solving (Lab)
BTME101-18	Engineering Graphics & Design	BTMP101-18	Workshop / Manufacturing Practices
BMPD101-18	Mentoring and Professional Development	BTHU101-18	English
		BTHU102-18	English (Lab)
		BMPD201-18	Mentoring and Professional Development



### Physics Lab

The purpose of the Physics Laboratory is to develop scientific temperament, analytical capability among the engineering students and to understand the general scientific concepts required for technology and to apply the concepts in solving engineering problems. This laboratory also explains scientifically the new developments in engineering and technology and familiarizes the students with the concepts, theories and models behind many technological applications. Students can perform experiments on Uniform Bending, Torsion Pendulum, Spectrometer, Lasers, Optical Fiber, Potentiometer and general electronic circuits.



## Chemistry Lab

The Engineering Chemistry Lab has a wide range of equipments. The lab has been aptly prepared to impart education related to Chemistry in a neatly designed, spacious and well-ventilated environment. The facilities available in the laboratory include Gas chromatograph, UV-visible spectrophotometer, electrochemical work station, Flame Photometer, melting point apparatus, High temperature programmable-furnace and High pressure reactor. Practical awareness is inculcated and students are trained to research both quantitatively and qualitatively during the lab sessions so that their understanding and problem solving abilities are enhanced.



## Basic Electrical Engineering Lab

Basic Electrical Engineering Lab helps the students become knowledgeable and skilled technologists who can work with engineers and technicians to implement electrical designs and perform engineering tasks such as collecting, analyzing and interpreting data, installing, maintaining and troubleshooting various electrical systems. The dynamics of technology are changing by leaps & bounds. Hence to keep our students ahead of these changes, the BEE Lab at LKCTC offers unique opportunities & allows practical overview of the theoretical concepts of basic Electrical and Electronics engineering skills. The lab is equipped with latest panels like single and three phase transformers, DC Motor, LVDT and basic electronic components.

## Communication Skills Lab

Keeping pace with the present era of globalization and need for proficiency in English Language, the Institute has designed communications lab with twenty five terminals fully equipped with state of the art interactive learning tools with internet connectivity. It is extremely beneficial for language learning and enhancement of effective communication skills, which are required to compete in the highly competitive & professional environment of today.



## Workshops

Workshop Practice equips students with the necessary hand-skills, basic knowledge of health and safety policies, procedures and workplace methods. Workmanship includes learning outcomes which present an opportunity for students to attain enough trade specific skills, knowledge, attitudes and values so that they can perform at a basic level in the maintenance, repair and construction of manufacturing systems.

LKCTC is having state-of-the-art workshops for imparting training to all the students of various branches. Central workshop comprises of following shops which are well equipped with latest tools and equipments.

- Machine Shop and Turning Shop
- Foundry Shop
- Fitting Shop
- Welding Shop
- Sheet Metal Shop
- Carpentry Shop and Pattern Making Shop
- Smithy Shop



## Computer Labs

Our Central computing facility consists of 250 computer systems with latest configuration i.e. i5 with 3.2GHz processors. High speed internet connectivity is provided through leased line from CONNECT and supported with secured LAN across different labs throughout the campus. The Labs at LKCTC help in reinforcing classroom learning by providing actual hands-on-experience. Due to our state-of-the-art infrastructure, TCS officials signed an MoU and now we are official IT Infrastructure partner of TCS (Tata Consultancy Services) where TCS conducts its off campus recruitment drives. In addition to this AIEEE (JEE), CAT, IBPS, LIC, TOEFL IBT and GATE examinations are being held at our campus through TCS.

Infrastructure  
Partner



## LKCTC Infrastructure

The state of the art infrastructure provides an ideal ambience for high-quality teaching and learning, making it the first choice of students for pursuing professional and management courses at UG and PG level.

### Classrooms - The Focused Learning Space

Bright, spacious and air conditioned classrooms provide our students a conducive and peaceful environment for learning through teaching & focused discussions. The classrooms have been designed to bring together analysis with action and are augmented with integrated audio-visual teaching aids for lectures, presentations etc. The classrooms are well-lit and ventilated.



### Wi-Fi Campus

Acquiring knowledge at the speed of light has become the need of modern education delivery system and is of paramount importance in the era of global village concept. Understanding this need and importance of internet, the institute has Wi-Fi facility for the students and faculty members. LKCTC has dedicated leased line @ **50Mbps** offering high speed internet facility throughout the campus with very carefully designed content filtering support.



### GD/PI Room

The institute has a well furnished, fully AC GD/PI room equipped with all modern technological aids to hold group discussions for the students of LKCTC so as to give them a real time experience of the group discussion to be conducted by various companies visiting the campus as part of their recruitment process during placements. It will help students in developing good communication skills, confidence and in understanding the concept of GDs in a practical manner.





## Library

The Library of LKCTC is a powerhouse of knowledge equipped with more than 7000 books including text and reference books, 50 National & International journals and renowned magazines pertaining to the discipline of Management, Engineering, Hotel Management and information technology & various newspapers to enrich knowledge about diversified areas.

The library has also subscribed to various e-Journals including J-gate and ProQuest and eBook Consortium having more than 40 Lakhs titles. The library also has a mammoth resource of e-books, more than 10 Lakh in all three disciplines. Being a member of DELNET (Developing Library Network), the library has access to broad range of services to augment education and research in the Institute. It maintains an online catalogue of books, which is continuously updated.



## Book Bank

The faculty and students of LKCTC donated their personal books to start a Book Bank in the Institute. The purpose of this Book Bank is to help the studious and needy students, who can borrow books from the bank for the entire semester and return the same after end semester exams.



## Seminar Room

LKCTC has two Seminar rooms well equipped with modern Audio-Visual aids, and having a capacity of approximately 200 students each. It provides a professional environment to the students where they can participate in various group activities like Quiz, Case presentation, Case Discussions, Group Discussions etc. It is a venue for holding Interactions, Guest Lectures, Seminars, workshops, other academic and co-curricular activities.

## Auditorium

LKCTC houses a state-of-the-art auditorium that acts as a common ground for students, faculty and corporate personalities for regular interface through conferences, job fests, education fairs and various cultural activities.



## Cafeteria

A cafeteria is a place where students interact with each other and rejuvenate themselves. The institute has an on campus cafeteria which serves hygienic and refreshing food with a variety of items on its menu. The cafeteria can be accessed by the students at all times during the day. Quality of the food items is checked regularly by staff.



## Common room

The institute has its own common rooms which provide an opportunity to the students to interact and engage in indoor activities and/or rehearse for cultural activities when their lectures are free, without disturbing the scheduled teaching during the working hours.

## Medical & First Aid Room

In order to provide First Aid in case of any medical urgency, the Institute has a well-equipped First Aid Room for the students & staff/faculty. It is the first port of call for any student who has sustained an injury or is feeling unwell. The First Aid Room is located on the Ground floor.



## Residential Accommodation

A wide range of residential facilities are available to suit the need of the students. The hostel building has spacious & airy rooms. Girls Hostel is located in the staff colony of Khalsa College and hence provides an absolutely safe and secure environment. Hostels have all the modern facilities to make students feel at home.



## TRAINING AND PLACEMENTS

The goal of Training & Placement Cell is to provide employment opportunities & world class training to LKCTC students in leading organizations. In terms of training and placement, LKCTC has established good rapport with leading corporate houses, R&D organizations, public undertakings to private sector MNC's. The institute has an active Placement Cell with the objective of providing guidance, assistance and facilitation to graduate & postgraduate students in enhancing their acumen to harmonize their technical and interpersonal skills. Activities of Training and Placement Department include Campus Recruitment Programme, Summer & Industrial Training Programme and Industry-Institute Interaction.

<b>Dy. Director, Training &amp; Placements</b>	<b>Mr. Arun Dutta</b>
<b>Coordinators from Mgmt. Department</b>	<b>Coordinators from IT Department</b>
Dr. Tarunjit Singh	Mr. Kamal Nain Sharma
<b>Coordinators from Engineering Department</b>	
Dr. Amarjit Kaur - CSE	Er. Lovdeep Singh – ECE
Er. Sarbrinderpal Singh Randhawa - ME	Er. Harsh Kakkar – CE

Apart from that, in order to assist Training and Placement department and to build a good image of the institute in public and corporate sector, a Brand Management Cell is also operating under the dynamic leadership of Mr. Anil Gangta, Assistant Director.

## Corporate Focus

We, at LKCTC emphasize on industry oriented inputs, hands-on training and facilitating the students in focussing on developing essential abilities and capabilities, so as to make them more employable before the prospective employers. The Institute periodically organizes industrial visits and guest & extension lectures to inculcate practical industry-oriented learning.



## Placement Oriented Activities

Training and Placement department bridges the Industry - Institute Interaction by organizing programmes such as Workshops, Guest Lectures in collaboration with industries etc. to enhance employability opportunities for the students. The department periodically conducts aptitude tests, group discussions, mock personal interviews and counselling sessions. The department has various strategic tie-ups with the Industrial Establishments for enhancing summer training / internship and final placement.

## PROMINENT INTERNSHIP PROGRAMS

### IBM Association

LKCTC Jalandhar organized “IBM ASSOCIATION” an online aptitude test to provide students a chance to evaluate and enhance employability skills for internship. International Business Machines (IBM) is a global technology company that provides hardware, software, cloud-based services and cognitive computing. IBM is offering Summer Training-cum-Internship through webex platform in association with IBM Career Education Program for the first time in India. This program infuses important Software capabilities that are industry specific and market relevant. Five Students of LKCTC have been selected by IBM for this program.

### Internshala

50 students of LKCTC have enrolled for internship programs offered by Internshala in association with AICTE. Internshala is an internship and online training platform based in Gurgaon, India. They assist students with internship resources and career services.

### Google Digital Garage

Three students of LKCTC have enrolled in internship provided by Google Digital Garage in which students learn at their own pace, with flexible and personalized training courses designed to build confidence and improve their interview skills.

### Strategic Tie up with AXIS Bank

Amongst the strategic tie ups of LKCTC, is a corporate linkage with AXIS BANK for MBA students. Axis Bank conducts online test and recruitment process in the campus every year. Till date twenty-five plus students of the institute have been selected as Assistant Managers on a pay package of 3 lakh plus per annum and are working successfully in various branches of the bank pan Punjab.



### Strategic Tie up with TCS

The institute has a strategic tie up with TCS, for holding online tests, recruitment drives for the students and for conducting Joint Campus recruitment drives at LKCTC in collaboration with IKG PTU.

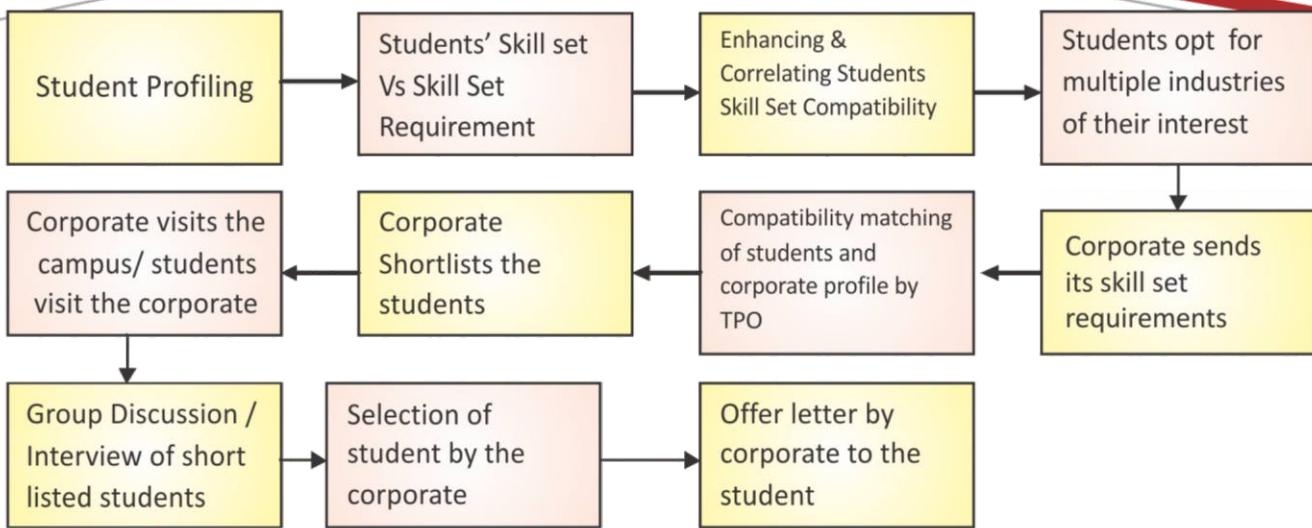
# Strategic Corporate Linkages @LKCTC



# Strategic Corporate Linkages @LKCTC



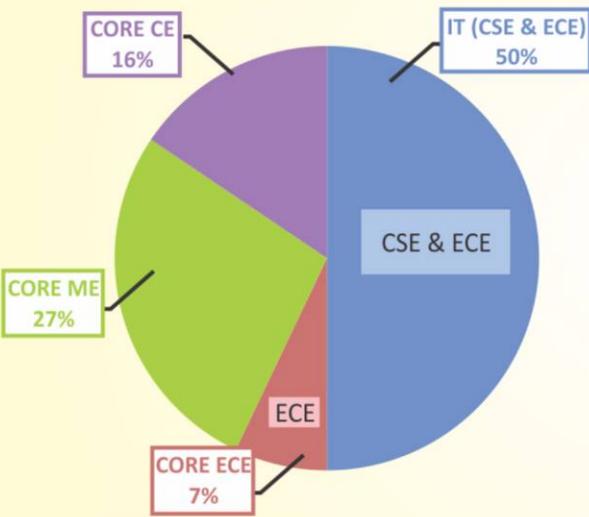
## Placement Process at LKCTC:



## Placement Record of B.Tech.

The following is a sector-wise summary description of the placement of the B.TECH students of LKCTC

### Placements - School of Engineering



■ IT (CSE & ECE)  
WEBSITE DESIGNING  
MOBILE APPLICATION  
DEVELOPMENT  
SOFTWARE  
DEVELOPMENT  
CONTENT  
DEVELOPMENT

■ CORE CE  
SITE ENGINEERS  
SURVEYORS  
GOVT. BODIES  
PROJECT  
MANAGEMENT  
STRUCTURAL  
DESIGNING  
BILLING  
ENGINEERS

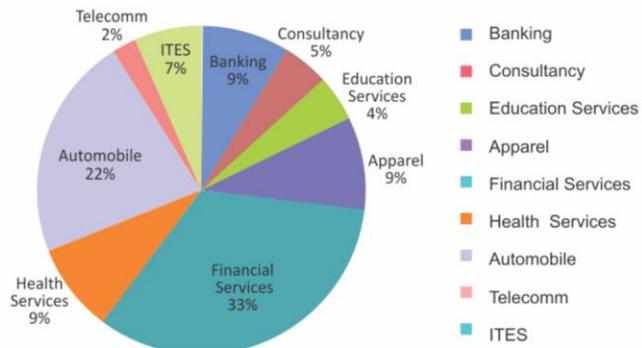
■ CORE ECE  
TELECOM  
DESIGNING  
FABRICATION

■ CORE ME  
PRODUCTION  
ASSEMBLY  
INDUSTRIAL ENGG.  
R&D

## Placement Record of MBA

The following is a sector-wise summary description of the placement of MBA students of LKCTC:

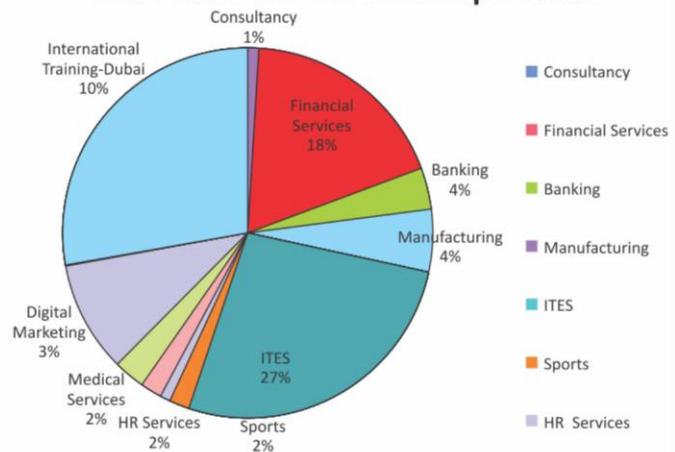
### MBA-2019 & 2020 Placement Record



## Training Record of MBA

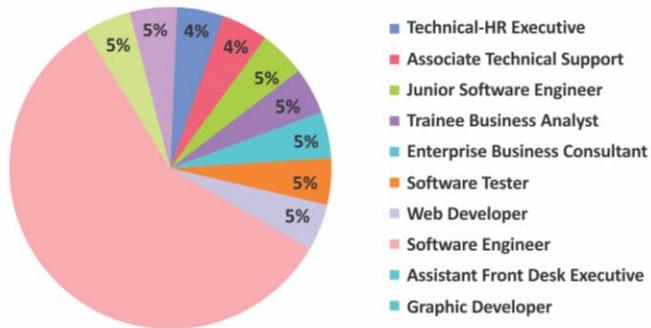
Following is a sector-wise summary description of Summer Internships of management students:

### MBA-2019 & 2020 Internship Details



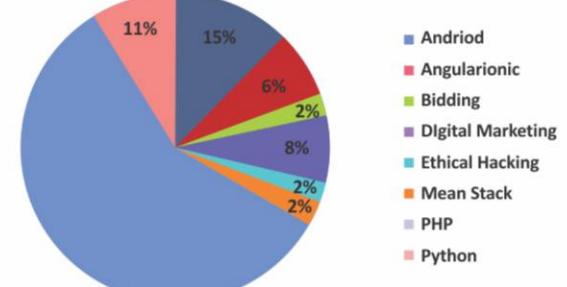
## Sector-Wise Placement Data MCA

### Sectoral Placement of MCA 2019 Passout



## Sector-Wise Training Data MCA

### Industrial Training of MCA Students Batch(2018-2020)



## Academics @ LKCTC

### Curriculum Focus and Teaching Methodology

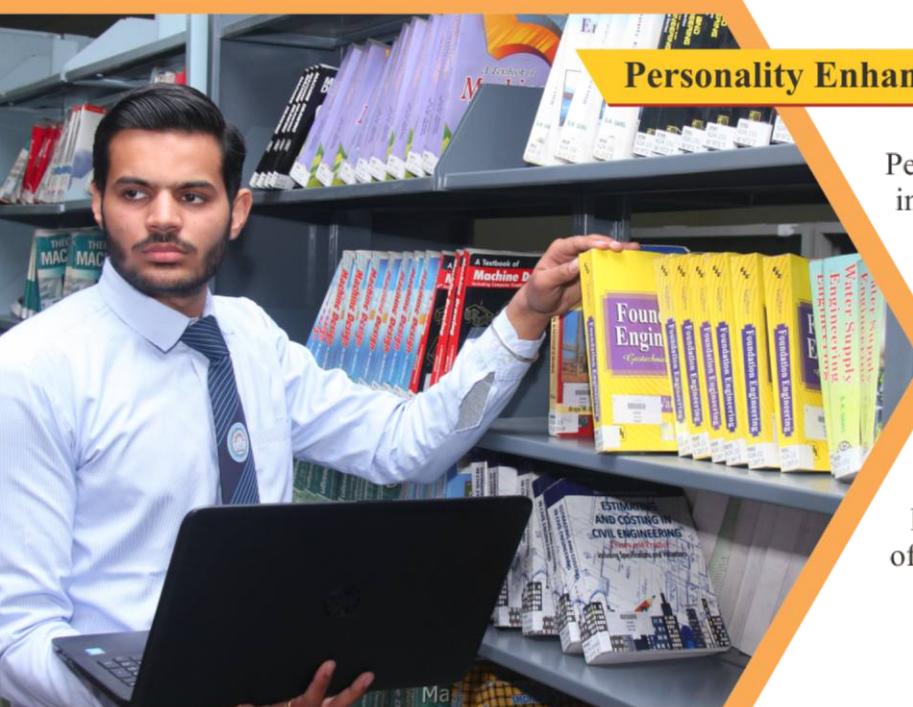
The real essence of curriculum design and delivery is to make students highly innovative & adaptive to become congruent with the industry requirements. At LKCTC, the emphasis is laid on enhancing conceptual knowledge, building analytical reasoning, improving communication etiquettes and nurturing problem solving skills among the students so as to prepare them to perform successfully in the industry or to become successful entrepreneurs. The institute endeavours to tie up with ISTE, IEEE, ACM, CSI etc. for further enrichment of practical inputs among students. Moreover, at LKCTC, we strive to provide in-depth learning of the course contents through the use of audio visual equipments, practicals, demonstrations, projects, workshop jobs, assignments, simulations, research based projects and presentations by students.



**“The one exclusive sign of thorough knowledge is the power of teaching.”--Aristotle**

### Personality Enhancement and Experiential Learning

Personality is the sum total of ways in which an individual reacts and interacts with others. It is an amalgamation of one's behavior, attitude and communication skills. At LKCTC, we strongly believe that these traits contribute a lot towards the holistic growth and development of students. With this objective, our students are exposed to activities like Simulation Exercises, Live Projects, Web Based Learning Activities, Design / Development of IT Projects, Setting-up of Entrepreneurial Ventures, etc.



## Skill Enhancement Modules

Employability is a function of students' subject knowledge, functional and social skills and attitude. While the subject knowledge and basic functional skills are meticulously imparted by the departments, there is a felt need to hone skills and attitude that employers look for in candidates. Skill enhancement module aims to bridge the skill gap in the students and prepare them to be industry ready and meet demands of the competitive market.



## Online Certificate Courses



Our Institute also facilitates faculty & students in enrolling for online certification courses offered by NPTEL, SWAYAM and other reputed platforms. These courses bring out the self-learning initiative of the students – where their own motivation drives them to complete the course and not external compulsions. This fosters the habit of keeping oneself updated always by means of self-study. The objective of enabling students to obtain certification for courses is to make students employable in the industry or pursue a suitable higher education programme. It's a matter of great pride for Lyallpur Khalsa College Technical Campus that ten students have successfully completed 12-Week NPTEL Course, an MHRD, Government of India initiative.

## Biziga (Workshop on Simulation Games)

The Department of Management, in its endeavor to provide quality education to its management students, organized a two day workshop on Business Simulation. It is one of the latest methods of providing theoretical as well as practical knowledge to the students of Management being followed by IIMs and top business schools across the world. The resource persons for this workshop were Mr.Ashish & Mr. Rahul (Alumni of IIM Indore & Director of Biziga Solutions Private Limited respectively). Till present the institute has taken this initiative 4-5 times, especially for UG and PG classes.



## Entrepreneurship & Incubation Cell

LKCTC, one of the most forward thinking and innovative educational institutions, is proud to start an incubation center to enable its students to get first-hand experience in entrepreneurship, promote innovation driven activities at the institute and provide comprehensive and integrated range of technical support including App Development, Website Development, Website Designing, Software Development and Social Media Marketing. The main objective of the cell is to promote and propagate entrepreneurial culture amongst students & to play the critical role in blending their technical inputs with entrepreneurial and managerial skills in their academic programmes and train them for entrepreneurial challenges. Some of the projects accomplished by our students are: Ocean Notes App (Question Bank with Answers), Mind Freaks (MCQ based Website), SMM for 'The Solution Hub', KCLIMT App (Notice board for students), Kids App (For Preschool & Kindergarten kids), Insta Saloon, Library Management System, Fabric Plaza, Teacher ERP, Lyf@LKCE and many more.

## **Guest Lecture on Supply Chain Practices of Mumbai Dabbawallas**

LKCTC organized a guest lecture by Shri Ragunath Medge President of Mumbai Dabbawallas on Supply Chain Practices of Mumbai Dabbawallas. The lecture presented to the students a detailed study of content, context and decisions made by Dabbawallas in managing the operations effectively from both the dabbawalas' and retailers' point of view while emphasizing the distinguishing features of their world-class system.



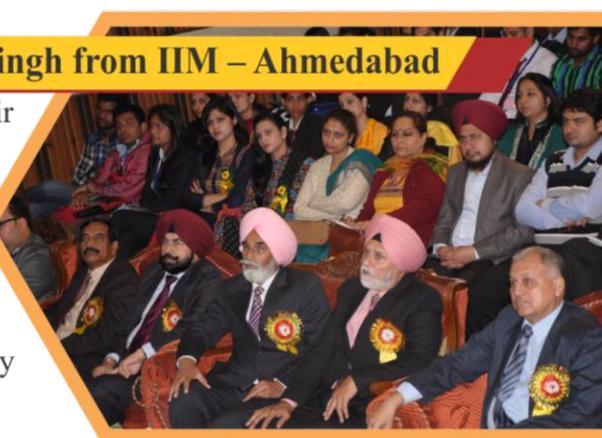
## **HR SUMMIT: Future of Strategic HR: Challenges & Opportunities Ahead**



LKCTC organized HR Summit on the future of Strategic HR and its challenges and opportunities, in collaboration with Punjab Technical University, Jalandhar. The summit brought together HR Professionals, Academicians, Researchers & Management Professionals at a common platform to share their expertise in Learning & Development Strategies.

## **Seminar on “Agribusiness Management” by Dr. Sukhpal Singh from IIM – Ahmedabad**

In the memory of our late revered President, Governing Council, S. Balbir Singh Ji, the institute invited Dr. Sukhpal Singh from IIM-Ahmedabad to deliver a lecture on “Agribusiness Management”. Dr. Sukhpal discussed that the credentials of Punjab agriculture like soil health, water resources and availability of finances with the farmers have declined drastically which has adversely affected the quality of contribution of Punjab's agriculture towards national agrarian output. The seminar was attended by more than 400 students and approximately 150 faculty members from scores of colleges in and around Jalandhar.



## **Seminar on Agrarian Crisis by Dr. Sucha Singh (Prof. CRRID)**

In the memory of our late revered President, Governing Council, S. Balbir Singh Ji, LKCTC organized a seminar on “Agrarian Crisis”. The institute invited Dr. Sucha Singh (Prof. CRRID) and he propounded the fact that agrarian crisis is hitting farmers and labourers below the age of 35. Furthermore, he discussed various factors that eventually pushed the farmers to suicide. Dr. R S Sidhu (Registrar, PAU) also elaborated the various issues related to agrarian crisis through statistical findings.

## Workshops, Expert Talks & Webinars

In today's era of cut throat competition, updating ourselves about the latest technologies & advancements is one of the major challenges. We, at LKCTC, believe in giving exposure to our students with respect to the emerging trends in their respective fields. In an endeavor in this direction, expert talks on following topics were conducted for the students

• Mr. Karan Arora (Itronix Solutions Pvt. Ltd.) delivered an expert talk on "ARDUINO with IOT". He explained the fundamental knowledge of Arduino processor & IOT to enhance the technical and practical skills of students and provided demonstration on how to program Node MCU with Arduino IDE. They motivated ECE students to develop some collaborative engineering projects which should be beneficial for the nation.

• The department of Computer Science and Engineering of Lyallpur Khalsa College Technical Campus organized two days Industry Readiness Program. The resource person for the two day workshop was Mr. Anshul Wadhawa, Co-Founder, AptiGuide.

• The department of Mechanical Engineering at LKCTC organized an online International webinar on "Campus to Corporate". These webinars extend and improve the student's view for career prospects and also make students aware of the future technological changes required due to the impact of the Covid19 pandemic. This webinar was conducted by Mr. Sandeep Sharma (Vice President, Corporate Affairs, J.P Morgan, Scotland, UK).

• Dr. Senthil Kasilingam, from NIT Jalandhar discussed the topic "Post Yield behaviour of RC frames under monotonic and cyclic loading- Experiments". The aim of the event was to gain great knowledge about the effect of monotonic and cyclic loading on Reinforced concrete frames.

• Department of Computer Science and Engineering, Lyallpur Khalsa College Technical Campus organized an expert talk on "Human Values and Professional Ethics" with an aim to inculcate human values in students that can help them become good human beings along with good professional engineers. The lecture was delivered by Col. S.K. Sharma.

• ECE department organized an international webinar on the topic "IT Service management". The resource person for the webinar, Mr. Ritul Thakur, senior service delivery manager at multi-national IT organization 'Acclivis Technologies & Solutions Pvt. Limited, Singapore' explained that it is necessary that IT Organizations adopt a service-oriented approach to successfully meet the business needs nowadays. Thereby it becomes important for engineers employed in IT sector to learn about IT service management.

• Dr. Deepti Kakkar, Assistant Professor, National Institute of Technology Jalandhar, delivered a webinar on "ADVANCES IN SENSOR NETWORK". She highlighted the fact that Sensor Networks are similar to wireless ad hoc networks in the sense that they rely on wireless connectivity and spontaneous formation of networks so that sensor data can be transported wirelessly.

• ECE department in collaboration with the Training and Placement Cell organized a webinar on "Job opportunities in ECE due to shifting Paradigm". The expert, Ms. Rajinder Kaur from Wonder Automation Pvt. Ltd. made the students aware about various opportunities and prospective fields for Electronics and Communication Engineers so that they are ready to step in to the professional world with transformative educational experience. She highlighted the importance of Electronics and Communication applications during COVID 19 pandemic and demonstrated how the Electronics technology acted as a backbone to all the corona warriors like doctors, health workers, administration staff like Ministers, Police, etc. and thus helped in fighting against this pandemic.

• Dr. Simranjeet Singh, Associate Professor, Pandit Deendayal Petroleum University, Gandhinagar, Gujarat delivered a webinar for the students of Mechanical engineering at LKCTC. The webinar explained the principles of damped, undamped and forced vibrations in machines along with methods of measurement of vibrations.

• An industry oriented certified workshop on "Recent Trends in Embedded Systems" was organized by department of ECE amidst the COVID-19 pandemic. The resource person, Mr. Mohammed Sharif, System Engineer, CETPA Infotech Private Limited, explained that every industry needs some artificial intelligence in it and the artificial intelligence can be provided by the embedded systems. Wide variety of devices & systems in the industry such as 3D Printers, ABS system in automobiles, metro trains etc. are majorly based on embedded systems for their functionality.

• Dr. Sarabjeet Singh Sidhu (Associate Professor in Beant College of Engineering and Technology Jalandhar), delivered an expert talk on "PHASE DIAGRAM" on ZOOM MEETING App. He thoroughly described the effect of grain size and carbon content on the strength of the material.

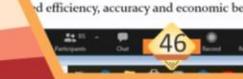
• Department of Mechanical Engineering organized an ONLINE STC on "Recent Advances in Mechanical Engineering Systems". Dr. Sarabjeet Singh Sidhu (Associate Prof. BCET Gurdaspur), Dr. Kapil Goel (Associate Prof. NIT, Jalandhar), Dr. Charnjit Singh (MD, Modern Manufacturers Pvt. Ltd.) were the resource persons. All resource persons talked about the material, their grain size, carbon content, properties of the materials and also encouraged the attendees to pursue research in this vast field.



### What is IoT?

The Internet of Things (IoT) is the network of physical objects or "things" embedded with electronics, software, sensors, and network connectivity, which enables objects to collect and exchange data.

IoT allows objects to be sensed and controlled across existing network infrastructure, creating opportunities for more direct integration between the physical world and computer-based systems, resulting in improved efficiency, accuracy and economic benefit.



## Workshops, Expert talks & Webinars

- An expert talk on 'Entrepreneurship' was organized by the department of CSE, LKCTC whose resource person was Dr. Jasmer Singh Saini, a Margadarshak allotted to LKCTC by AICTE. Dr. Jasmer Singh Saini is Former Professor & Head of Entrepreneurship Development and Industrial Coordination Deptt. & Dean-EDC of NITTR, Chd. He focused on the various important tips to start an enterprise and issues faced during the startup programmes.
- Dr. Simarpreet Singh (Research Associate, IIT Madras and Norwegian University of Science and Technology, Norway) delivered an expert talk on "CO<sub>2</sub> Cooling Technology: A future solution to synthetic refrigerants" for the students of Mechanical Engineering. He put light on the different aspects of refrigerants used in the industries.
- Er. Pankaj Singla, SDO, PWD delivered a guest lecture on Design of Roads and Highways and apprised the students about various processes involved in design of Roads and Highways.
- Department of Civil Engineering at LKCTC organized a Workshop on "Tri Axial Test (Shear Strength of Soil)". The resource person of the day, Er. Gagan Deep gave detailed knowledge about Tri axial all conditions and how it works and creates actual site conditions and helps obtain best results. He explained that this test is very helpful in consultancy work and it is a highly paid test in geotechnical engineering.
- A webinar on "Beginners guide to Robotic Sensors" was organized by the department of ECE at LKCTC. The resource person, Er. Lovdeep Singh provided the students an introduction to the different type of sensors. He also discussed how sensors could be interfaced to different microcontrollers.
- ECE department organized an online workshop on "TINA-Electronics Lab" to expedite the students' knowledge & interaction during the lockdown period in the midst of COVID-19. Dr. Nancy Gupta, AP, ECE Department explained that TINA simulator is a powerful circuit simulator & PCB design software for analyzing, designing, and real time testing of analog, digital, IBIS, HDL, MCU, and mixed electronic circuits along with their PCB layouts..
- An expert talk was organized by Department of Mechanical Engineering on "Application of Applied Thermodynamics in Renewable Energy Resources". Dr. Sunil Kumar Mahla (Assistant Professor, IKGPTU Campus, Hoshiarpur) delivered the expert talk. The basics of Thermodynamics and benefits of renewable energy resources in our daily life were discussed in detail by Dr. Mahla. He also drew attention to the emerging issues of health hazard by stubble burning and discussed the various methods to curb it.
- Webinar on "Robotics using Artificial Intelligence" was organized by department of ECE. The expert, Mr. Apoorva, from Mapping Skills made the students aware about the use of Robotic technology in making automated systems. The students gained an insight into the design and development of robotic components and how to capture real time information with sensors and robotic systems.
- Department of Mechanical Engineering organized an ONLINE GUEST TALK on the topic of "THEORY OF FAILURES" on ZOOM MEETING App. Dr. Harish Garg, Associate Professor in DAV University conducted this expert lecture. Dr. Garg made this session very attractive by giving practical examples relevant to the title of the session and the students also showed their interest by putting forth their queries.
- Mr. Tanish Mittal, the youngest entrepreneur aged 14 years, Founder & CEO of INNOWEBS TECH delivered a guest lecture on Entrepreneurship – A Step Towards Formidable Success.
- Mr Hardeep Singh, Google Certified Associate, Android developer & Team Leader at O7 Services conducted workshop on KOTLIN.
- Mr. Ahsanulhaq, President, JMA conducted expert talk on Knowledge Managemnt, Entrepreneurship & Innovation.
- Mr. Ajay Bhatia, a Google Facilitator conducted a workshop on Flutter: A mobile App Development Tool.
- Dr. Sushendra Kumar Misra, alumnus of IIM Bangalore currently working as a Registrar in Dr. B. R. Ambedkar National Institute of Technology, conducted workshop on Demographic Dividend: a Boom or Bane.
- Mr. Vishal Tandon from Netsmartz, Mohali conducted a workshop on Content Development & Content Marketing.
- Mr. Vishal Kalia, Head of CHIM, delivered a guest lecture on requirements of Hospitality students.
- Ms. Priya Dogra from Itronix, Mohali delivered a guest lecture on SEO & Digital Marketing.
- Mr. Narinder, Director Saffron Printographics conducted a workshop on Desktop Publishing Tools.
- Dr. Sonu Dua & Dr. Ritu Rani conducted a workshop on Psychometric Analysis.
- Dr. A.S. Chawla, Registrar, Punjabi University, Patiala conducted workshop on Problem Solving by Design Thinking
- Prof. Atindra Nath Bhattacharya, Professor, School of Inspired Leadership, Gurgaon delivered expert talk on Building Creative Confidence to solve complex Problems.
- Dr. Somesh Dhamija, Head, Management department & Dr. Aruna Dhamija, GLA University, Mathura conducted workshop on Innovative Practices in Management.
- Net Max Technologies conducted workshop on developing Android Applications
- Correl IT Services conducted workshop on ASP.Net.
- C-DAC conducted workshop on Internet of Things.
- DUCAT conducted workshop on Bootstrap.



## Industrial Visits

LKCTC emphasizes on industry oriented inputs, hands-on training and facilitating the students in focussing on developing essential abilities and capabilities, so as to make them more employable. LKCTC in its commitment to strengthen the academic learning of its students regularly arranged Industrial Visits for the students. The purpose of these visits is to provide exposure about the various emerging trends and technologies in the industries.



- Students of MCA visited Impinge Solutions, Mohali where they upgraded their awareness regarding the current market scenarios in the field of IT, most demanding technologies, selection criteria, etc. An interactive session with the Technical Head provided guidance to students in selecting the areas like web development, mobile application development and software testing.
  - Students of MBA were taken for an industrial-cum-educational visit to Aarti International Pvt. Ltd., Ludhiana, wherein they got a chance to explore high-tech Research and Development Lab. The students interacted with the Training Head who acquainted them with the manufacturing processes of cotton, polyester cotton, viscose and other yarns and fabrics.
  - Students of HMCT visited Hotel Country Inn and Suites, Jalandhar to have an insight into different departments of the hotel. The interaction of students with the HR executive and general manager of the hotel provided them with the practical exposure towards functioning of hotel departments.
- Students of BBA and B.Com (H) went to Sukhjit Starch Mill, Phagwara where they got a chance to witness Corn Wet Milling Facility. This industrial visit was meant to showcase the power of young entrepreneurs and motivate students to venture on emerging opportunities.
- Students of MBA, BBA & B.Com (Hons.) went to Rail Coach Factory, Kapurthala where they visited the Production Department, and got an insight into the working methodology of production process of rail coaches.
- An educational trip was organised by the Department of Mechanical Engineering to Aarti International, Chandigarh Road, Ludhiana. During the visit, the students also got an idea of various engineering concepts including automation, quality control, manufacturing process, and testing, etc.



The department of CE of Lyallpur Khalsa College Technical Campus arranged an industrial visit to Nirmal Kutia, Seechewal & Sultanpur Lodhi. The purpose of this visit was to enable the students to gain exposure to industrial environment and grass root trends in the field of Environmental Engg. & sewage water treatment.

Department of Computer Science and Engineering organized an industrial visit to Impinge Solutions, Mohali. The objective of the industrial visit was to help students gain the knowledge of inner working atmosphere of companies, their working methods, employment practices, and practical implementation of theoretical concepts, real time functional environment and the employment opportunities in IT sector.



The department of CE of Lyallpur Khalsa College Technical Campus arranged an industrial visit to Ready Mix Concrete Batching Plant located at Partapura. Students were given live insight into the making of concrete by ready mix plant.

The Department of Computer Science and Engineering organized an industrial visit to Pisoft Chandigarh with an objective to introduce the students to Software Development, Web Services, Web Hosting & Domain Registration, ERP Solutions, Hardware & Networking and Design & Implementation.

The Department of Electronics and Communication Engineering arranged an industrial visit to Telcocrats Pvt. Ltd., Mohali. The purpose of this visit was to provide exposure to students about industrial environment and futuristic trends in the field of wireless communication. The students were made aware about the telecommunication technologies i.e. VLSI, BTS, UMTS, GSM, CDMA, 2G and 3G.

# Convocation

A convocation ceremony holds a very special place in every student's heart. It is that day in the academic life of the students when all the hard work, dedication, commitment, and enthusiasm pays off. It is a proud day for a lot of parents because their not-so-little kids get their hard earned education degrees.



School of Engineering at LKCTC successfully organized Convocation for the batches 2013-2017 & 2014-2018. 250 students of four branches ECE, CSE, ME and CE were conferred degrees during the convocation. Dr. M.P.

Poonia, Vice Chairman, AICTE, New Delhi graced the occasion as the Chief Guest. Dr. Nachattar Singh Waraich (Former Advisor to Vice-Chancellor, IKG PTU) & Dr. Ekonkar Singh Johal (Dy. Registrar College Development, IKG PTU) were Guests of Honor for the event.

School of Management & IT successfully organized Convocation to confer degrees to UG and PG students. The chief guest for the convocation was Dr. Lalit Kumar Awasthi, Director (NIT, Jalandhar). The Convocation began with a majestic and grand academic procession followed by the National Song sung by the students of the Institute. The Director in his report touched upon the infrastructure developments in the campus. More than 300 students were conferred the degrees.



## Research Paper Publication

## News Letter

Students at LKCTC are more inclined towards research oriented activities. They have participated in different national & international conferences and presented meaningful research papers.

At LKCTC, this is our first stride towards bringing in the much cherished synergy in our activities, so that together we can make brand LKCTC a big binding force for us, and ultimately one of the most admired educational brands in India. Like the proverbial 'little drops of water making the mighty ocean' each of the small events, initiatives, happenings, and moments of truth would be recorded at monthly News Letter Initiative taken up by the Institution.

## Newspaper

Reading a newspaper helps students improve reading, writing, social studies, math, and science skills. With the help of newspaper subscriptions, teachers can use newspapers to teach comprehension, critical thinking and help students develop sensitivity and awareness of the self, the community, the nation, and the world.

# Beyond Academics

## LKCTC MOU with FUEL (Friends Union for Emerging Lives)

LKCTC has signed an MOU with FUEL (Friends Union for Emerging Lives) which is leading NGO working in collaboration with HDFC Bank for inculcating employability skills and making students industry ready for engineering, IT and Management students. Through this MOU students will have training on Artificial Intelligence and Digital Marketing. This MOU is aimed to combat the industry challenges and enhance their overall job prospects.



## LKCTC agreement with Amazon AWS



Lyallpur Khalsa College Technical Campus has recently entered into an agreement with Amazon Web Services under 'AWS Academy Program Agreement' to train faculty and students with the aim to advance literacy and cloud computing skill set among the budding engineers. This agreement is a joint effort of Amazon's cloud wing to offer skills in cloud computing technology. Its AWS Educate programme will provide immense opportunities to students to strengthen academic content and learn AWS Cloud technology. The synergy will help inculcate greater creativity, innovation and entrepreneurship skills in the budding IT and cloud professionals.

## LKCTC signed MOU with Red Hat India Pvt. Ltd.

Lyallpur Khalsa College Technical Campus signed an MoU with Red Hat India Pvt. Ltd. to help students achieve their academic and career potential. Red Hat Academy is the world's leading provider of enterprise open source solutions, helps to deliver high-performing Linux and cloud computing technologies. It helps to standardize across environments, develop cloud-native applications, and integrate, automate, secure, and manage complex environments. Through this MOU, students, Faculty and administrator have the privilege to learn in-demand skills and get certification courses at discounted costs. It will aid them in gaining valuable experience with hands-on lab environments and connect with Red Hat instructors and students in the Red Hat Learning Community.



## LKCTC signed MOU with NetSmartz (Sebiz Infotech Pvt. Ltd.)



Lyallpur Khalsa College Technical Campus signed an MoU with Netsmartz, (Mohali) for students to attain knowledge about Big Data along with practical aspects. LKCTC is geared towards improving the performance of an individual within an organization and believe in enhancing knowledge and skill sets, as well as instilling greater motivation to help students achieve their career goals. In the inaugural ceremony, Mr. Parsanjit Jha from NetSmartz, (Mohali) presented the lecture on "BIG DATA" to the students. Big data is a field that treats ways to analyze, systematically extract information from, or otherwise deal with data sets that are too large or complex to be dealt with by traditional data-processing application software.

## E-Learning at LKCTC

Due to prevailing conditions of COVID-19, LKCTC has introduced Online learning processes for students whereby teaching is being executed remotely and on digital platforms. As such teaching is learner focused; thousands of students are benefitting from e-learning. Teachers and students have entered a new world of virtual classroom learning. Keeping in mind that skill development and knowledge enhancement are keys to career growth in competitive times, various technical and co-curricular activities have been planned on online education platforms which have made it easy for students to develop new skills while continuing with their regular courses. Under this Initiative, comprehensive online resources have been generated by the Institute for effective remote learning of the students. As many as 32 various online webinars /corporate interactions (national and international) and e-events have been conducted for students.



## CSI (Computer Society of India) Membership



LKCTC is member of Computer Society of India (CSI), the largest and most professionally managed association of IT professionals in India. The society is scientific and educational, directed towards the advancement of theory and practical knowledge of Computer Science and IT. Institution also has the student branch of CSI. Seventy - Five students of MCA and BCA are members of the student branch of CSI.



## Department Club Activities

### Department of Management

With the objective of giving exposure to the students for their holistic growth, different club activities are organized by the students and for the students. There are five clubs managed by the School of Management named as Finance Club, Marketing Club, HR Club, Literary Club and Movie Club. Any student can join these clubs and there is no membership fee.

- The Management Club conducted a Psychometric Analysis Test to assess the personality of the students of LKCTC by inviting eminent business personalities from Industry, who after analysing the test scores of the students gave valuable inputs to the students for improving their personality.
- Under the Management Club activity titled “Mind Benders”, Management Quiz, Ad- Mad Show & collage making contest were organized in order to enhance and promote the experiential learning of students.
- The Movie Club organized screening of motivational, management and leadership theme based movies for PG and UG students in order to enhance their motivation level and make them understand various management concepts via audio-visual aids.
- The Management Club, on an annual basis, organizes presentations on Live Budget Session for the management students in order to increase their economic awareness and provide them with practical orientation besides theoretical knowledge.
- The Literary Club organized role plays in order to demonstrate the importance of communications skills along with a Literary Quiz to test the literary skills of the students in English.



## Department of Information Technology

With the objective to enhance confidence among students & to prepare them for a bigger platform, the School of IT conducted Quantum IT and Literary Buzz Club Activity at the departmental level, in which following activities were conducted for the students:

- **Debugging** with the aim to enhance the problem solving abilities of the students.
- **Groom Clinics** to groom the students where they are made to solve IT Company's recruitment papers.
- **E-Collage** where student presents the idea with the blend of art and computer science.
- **Logical Development** to enhance the programming abilities of the students and to prepare them to be good programmers.
- **IT Quiz** to encourage and enhance knowledge about the latest trends in the IT sector.
- **Website Development** to develop and promote web based development skills among the students
- **Webinars** in order to give exposure to latest tools & techniques.
- **Create Right** to enhance creativity and designing skills of the students.
- **Web Crawler** to enhance analytical and presentation skills of the students.
- **Blind Coding** to motivate budding programmers.
- **Mock Interview** to provide real-time training and practical experience.
- **English Play** (The club conducted two plays i.e. **Adaptation of Shakespeare's Merchant of Venice and Bread Loaf**) to enhance confidence and communication skills.
- **Mimicry** to enhance creativity among students.



# Department of Engineering

## Innovation Club

Innovation Club has been formed to encourage the young minds to come up with innovative & useful ideas. The objective is to enable the students to be aware of their inner potential and cultivate creativity as well as innovative thinking through proactive academic activities and research. To encourage the innovative minds, Mechanical Engineering Deptt. has an independent collegiate Club under International Society of Automobile Engineers (SAE). Under this club, the following Innovative projects were undertaken by various engineering departments such as Internal Combustion Engine of two stroke and four stroke vehicles, Water level indicator, Traffic Light Controller, Mosquito Repellers, Dual Tone Multi frequency Decoder, Lie Detector, Project Based on Free Energy Concept, Hybrid Vehicles and non-conventional energy generation prototype.



## Online Employability Test

With increased competition for jobs, having the right skills for the right job is extremely important. "Online Employability Test" assessments also help students analyze their strengths and weaknesses, so that they can work on them. It gives them an insight into their job suitability for roles across industries based on their skills, thus helping them choose right career opportunities. Department of CSE at LKCTC organized "Online Employability Test", an Aptitude and Technical question based online test, to provide students a chance to evaluate and enhance their employability skills.

## E-Insignia- 'Logo Design Hunt' and 'Speculate Buzz- Boojho to Jaane'

The ECE department organized online events to boost the ingenious talent of students of LKCTC. In the logo design hunt, the participants were required to create a company logo along with an innovative company name and design a corporate identity for that company. The 'Speculate buzz' event was held to explore the intuitive skills of the participants. Due to lock down, students participated from their homes via the online link. An overwhelming response was received from the students.

## LKCTC Article Writing Contest

With the aim to provide a platform to students to express their opinions, Department of CSE at LKCTC organized "Article Writing Contest" on various topics such as A to Z of Securing IOT, Data Science & Engineering : Applications & Current Scenario and Blockchain : Security & Use Case. Several students participated enthusiastically and shared their thoughts via their articles.



## E-Expedition

Department of ECE at Lyallpur Khalsa College Technical Campus organized an event e-Expedition to spark innovative minds of today's youth. The activities were fun filled, helpful for learning and beneficial for mental fitness. Solving puzzles helps the brain engage in a stimulating cognitive activity. Therefore, the motive of this event was to develop problem solving skills of the participants thus enhancing their overall personality.



## INTELLECTICA ONLINE COMPETITION

Department of Mechanical Engineering organized “INTELLECTICA ONLINE COMPETITION” on “PICTURE PERCEPTION & DESCRIPTION and MENTAL ABILITY” to keep the students in-touch with their study.

### Poster Making Competition

Poster Making Competition was organized at LKCTC to enhance literary skills of the students. Students participated with great enthusiasm and 27 entries in all were received through Google form. Best three Posters were chosen by Judges based upon creativity,

### E-Kriti (Poster Making and Slogan Writing Competition)

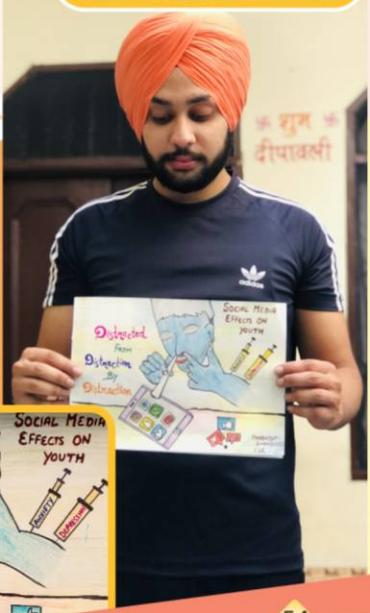
ECE department organized an online event “E-Kriti (Poster Making and Slogan Writing Competition)”. The aim of this event was to motivate the students to showcase their creativity. The students created vibrant posters on various themes including Aarogya Setu, Importance of mask, Yoga and Meditation, Counseling and Social Distancing. All the students performed excellently in the event and Kamal from ECE-5th sem won the first prize for her detailed and evocative poster on Artificial intelligence.

### Talent Hunt

Department of Computer Science at LKCTC organized Talent Hunt Competition. The competition was spread over three domains covering poster making, monograms and working models. The main areas of consideration were the emerging trends in computer engineering like artificial intelligence, internet of things, big data etc. Almost twenty teams with a total participation of more than hundred students took part in the event with full zeal and zest.

### Technical Collage Making Competition

Department of ECE at LKCTC organized Technical Collage making Competition and provided the students a medium to learn about the core field of electronics in a fun & creative way. The students created vivid collages on various themes including satellite communication, evolution of electronics, Real life applications of DSP, Communication Systems, and Artificial Intelligence etc.



## Consultancy Works (Village Bulandpur and Village Kanpur)

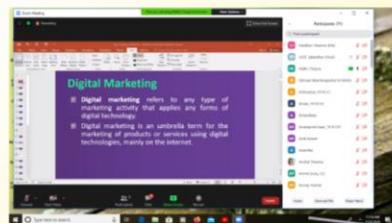
LKCTC encourages its faculty to undertake consultancy work through which they contribute towards industrial growth, strengthen institute-industry interface and enrich their professional experience. Department of Civil Engineering offers consultancy work in the various fields of Civil Engineering like Field Survey, Structure Design, Concrete Testing (Destructive & Non Destructive), Soil Testing, Highway Lab Testing etc. Many reputed organizations approach the department for consultancy. Students also take interest in the field of consultancy.

For the purpose of Conduct of survey in village Bulandpur and Village Kanpur, Mr. Surjit Ram, Sarpanch, Gram panchayat Village Bulandpur and Mr. Rakesh Kumar, Sarpanch, Gram panchayat Village Kanpur approached the Department of Civil Engineering of Lyallpur Khalsa College Technical Campus, Jalandhar. They discussed the purpose of work and its importance for the village and requested the department to conduct the survey in the villages so that an appropriate path of the civil line could be determined and construction could be planned in a smooth way. Therefore, a team comprising of faculty members, lab technicians and students of LKCTC visited the villages for site inspection. Eminent Personalties of Villages, along with the village Sarpanches showed the proposed area/path of the village which was under consideration for the project. As per their requirement survey work was initiated to locate levels throughout the village and proper sheet was prepared.



## SHORT TERM TRAINING PROGRAM

LKCTC organized three days Short Term Training Program on “Latest Evolution in Computer Science”. Total of 231 students from various schools and colleges registered and participated in the STTP. On the first day of the STTP, Col. S.K. Sharma (retd.) shared his knowledge on “Effective Learning and Memory Management” in Session 1. Session 2 was addressed by Mr. Karan Arora, founder & C.E.O of Itronix Solutions. He focused the whole discussion on the “Role of Cyber Security in Today's Scenario”. On the second day of the STTP, Dr. Deep Kamal Randhawa, Associate Professor, GNDU Regional Campus, shared her knowledge on “Becoming an Engineer” in the first Session. Session 2 was proceeded by Dr. Rachna Seth, Principal data Scientist in Rio Tinto, with topic “Future of Data Science & Artificial Intelligence”. On the third day of the STTP, Mrs. Nidhi Chopra, AP, IT, LKCTC shared her knowledge on “Boom of Social Media Marketing” in the first Session. Session 2 was proceeded by Dr. Upasana Gitanjali Singh, Senior Lecturer, Discipline of Information System & Tech., University of KwaZulu Natal, Westville Campus, Durban, South Africa.



## FACULTY DEVELOPMENT PROGRAMMES

- LKCTC organized a FDP on Research Writing and Publication to acquaint its faculty members with the art of writing quality research papers and getting them published in Renowned International Journals. Prof (Dr.) Gurwinder Singh Shergill (Massey University New Zealand) acted as Resource Person.
- LKCTC organized a six day Faculty Development Programme on 'Latest trends in Teaching Pedagogy' in association with IKG-PTU Kapurthala, Netsmartz, Red Hat, Network Nuts and Computer Society of India. The major thrust of this Faculty Development programme was to explore latest pedagogical skills to guide teachers and policy makers for quality concerns in higher education for an academic world.
- LKCTC organized a seven day Faculty Development Programme on "Emerging Trends and Challenges in Management & IT Education" in collaboration with IRD India & Indo Global Chamber of Commerce, Industries & Agriculture. The objective of this programme was to hone the teaching and research skills of faculty members of Management and Information Technology departments. The major focus of the FDP is upgrading the teaching, training, and research skills of the teachers with recent developments and advancements.



## ICETEM -International Conference on Emerging Trends in Engineering and Management

LKCTC successfully organized an International Conference on "Emerging Trends in Engineering and Management". The main aim of the ICETEM was to bring scholars, researchers, educators, students, professionals and experts from industries, R& D institutions & other interested groups to present their work on recent developments in the fields of engineering, sciences and management. The purpose of this conference was to provide a forum for exchange of innovative ideas among faculty members, researchers, corporates and students about engineering & management related topics. There were four Tracks; Track 1: CSE, ECE & IT, and Track 2: Management, Track 3: Applied Sciences, Track 4: Mechanical Engineering. More than 150 papers were presented during the conference.

## TiE Chandigarh and IKG PTU Business Plan Competition, 2020-21

The Indus Entrepreneurs (TIE's) is the world's largest community of entrepreneurs & startups. Its mission is to foster and advance entrepreneurship across the globe and especially in our region. Its principal objective is to provide a platform on which people with entrepreneurial spirit and those interested in economic value creation can come together to share ideas. Under the initiative of TIE Chandigarh and IKG PTU Business Plan Competition, 2020-21, five teams from School of Engineering and six teams from School of Management and IT submitted their proposal of a business plan. Out of them, six teams got shortlisted for the second phase. One team from School of Management comprising of Rahul Dadwal, Tarun Dadwal, Bhawna and Shifali of MBA 4th Sem. secured second runner-up position in TIE Business Plan Competition. The team also won a cash prize of Rs. 20,000 and competed against over 160 teams from various IKG-PTU affiliated colleges across Punjab.



## Extra-Curricular and Co-curricular Activities



At LKCTC, we understand that the aim of education must be to promote full development of the personality, talents, mental & physical capabilities of each individual. Keeping this objective in mind, LKCTC has constituted various committees that arrange and organize various extra-curricular and co-curricular activities from time to time in the campus.

### School of Management and IT

#### Tech Symphonic: An Inter College Management & IT Fest



LKCTC organized an Inter College Management & IT Fest “TECH SYMPHONIC” in which approximately 300 students from 30 colleges/institutes of the region participated in following events.

S. No.	Event Name	S. No.	Event Name
1	<b>Fashion Show</b>	11	<b>Flower Arrangement</b>
2	<b>Choreography</b>	12	<b>Face Painting</b>
3	<b>Group Dance</b>	13	<b>Rangoli</b>
4	<b>Ad-Mad Show</b>	14	<b>Exhibition: Best out of Waste</b>
5	<b>Salad Making</b>	15	<b>Website Designing</b>
6	<b>Mimicry/Stand up Comedy</b>	16	<b>Web Crawler</b>
7	<b>General Quiz</b>	17	<b>Logo Designing</b>
8	<b>Collage Making</b>	18	<b>Logic Development</b>
9	<b>Debate</b>	19	<b>LAN Gaming</b>
10	<b>Business Plan Competition</b>		





## BUSINESS TECHNO CLUB

### Business Techno Club

The club has been formed with the objective of embedding management skills in the students by entrusting them with the responsibility of organizing and managing various events on their own. It provides a platform to the students to sharpen their skills and helps them to learn the application of the theoretical concepts to real life. The club is also instrumental in the successful conduct of various cultural events wherein the students showcased their talent & creativity.

### Induction 2020

An Online Two Week Induction Programme was organized at LKCTC to welcome their new batches of Management, IT & Hotel Management students & in order to make them familiar with the professional environment. The Programme started with a welcome speech by Dr.S,K Sood (Director, LKCTC). He stated that institute continuously strives to ensure that besides providing quality education, our students get ample opportunities to involve themselves in extra & co curricular activities. This inculcates the feeling of independence & decision making in them. As college life is the foundation of students' future, we lay foremost emphasis on enhancement of student's personality, knowledge & professional skills through various curricular, co-curricular and extra-curricular activities.

### Welkom Fiesta

To welcome and orient the incoming students of Management and IT, an annual Fresher party "Welkom Fiesta" was organized at LKCTC. Following the rich traditions of welcoming their juniors, senior students of Management & IT of LKCTC presented welcome dance, skit, and other activities to entertain the audience. The first semester students also won the hearts of the audience by presenting modelling on the ramp. The cultural event was followed by an award distribution ceremony wherein Awards of Appreciation were given to meritorious students of Management & IT who bagged merit positions in PTU End Semester examinations.



### Farewell Party

VIDAAI, a farewell eve to mark the culmination of the academic journey of the passing out batch of LKCTC was organized. Students of passing out batch expressed gratitude & warm feelings towards the alma-mater, teachers & junior students.



# School of Engineering

## Tech Fest – INNOVANCE

LKCTC organized an Inter-College Tech-Fest “INNOVANCE” in which students of twenty colleges/Institutions participated and showcased their talent. The main objective of organizing Innovance was the confluence of wide spectrum of activities ranging from music, dance, fine arts and theatre to technical development skills thereby manifesting unity, healthy competition, harmony and esprit –de-corps and inculcating managerial skills among students of Engineering. The chief guest of the occasion was Hon'ble Jatinder Jorwal (IAS, Chief administrator PUDA, JDA, Assistant Commissioner MC, Jal & Chairman Smart City). Mr. Arvinder Singh (S.E. Irrigation department) also graced the occasion as guest of honor. The major events were Presentation, Cartooning, Rangoli, Group Dance, Solo Dance, Quiz, Poster making, Project Display, Bridge making, On the spot photography, Treasure Hunt, Lan Gaming, Cadd - o - Mania, etc.

## E-Spardha-2020

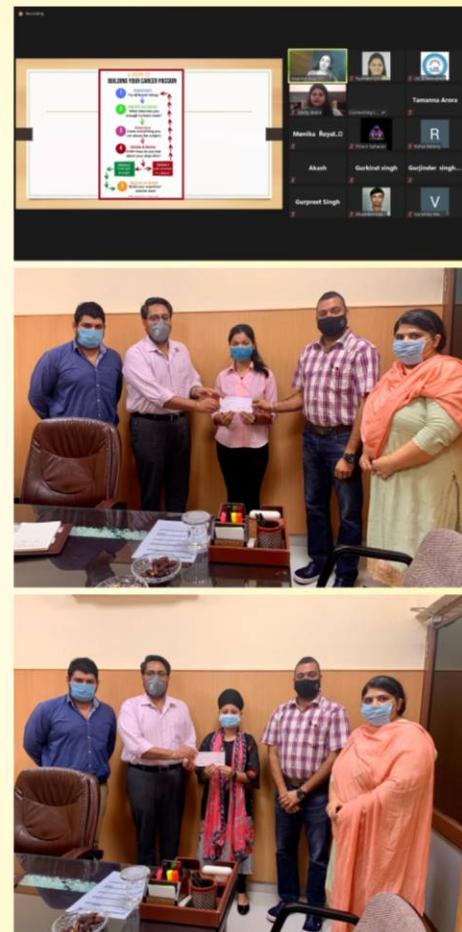
To channelize the energy of students amidst the lockdown due to COVID-19 pandemic, LKCTC, Jalandhar organized an online fest 'e-SPARDHA, 2020'. A variety of creative events were conducted online during the e-fest. The e-fest was planned to motivate and encourage the students so that they can manifest their creativity during the lockdown. An overwhelming response was received as more than 700 students participated from 75 different institutes all around the region. The major events planned were LAN Gaming, Indo vs. Exotic Look Challenge, Crossword, IQ Hunt, Circuit Mania and Quiz – Iconic Buildings in the World.

## E-Khushamdeed-2020

Lyallpur Khalsa College Technical Campus, Jalandhar, School of Engineering, organized six day online induction program “e- KHUSHAMDEED-2020” for the students admitted for the session 2020-2021. Newly admitted students were given an opportunity to interact with eminent personalities from academia and industry where they shared their experiences and challenges of both the fields and narrated their perspectives on how to bridge the gap between the academia and industry. Students were made familiar with the protocols they have to abide by and the code of conduct during their stay in college. A session was held by Dr. Divya Kalra on wellness and active life style to stay healthy and happy. A poster making competition was organized for the newly enrolled students on “BEING AN ENGINEER”, in which students participated with full enthusiasm and passion.

## E-Farewell “Sayonara-2020”

In order to bid adieu to the Final year students, during upheaval caused by Covid-19, an E-Farewell was organized by School of Engineering at Lyallpur Khalsa College Technical Campus. The event started with the welcome speech by Director LKCTC. He explained that our endeavor is to make our students good team members, firm decision makers and efficient leaders. The event proceeded with a motivational speech by Col. Sanjay Shandil and Ms. Neeti Trehan Soni (Managing Director, Dreamwavers, Jalandhar). Event also included various performances by students.



# Corporate Social Responsibility Initiatives

Lyallpur Khalsa College Technical Campus, under its Corporate Social Responsibilities (CSR) Cell, has initiated various Awareness and Social Service Campaigns.



A team of Civil Engineering Department of Lyallpur Khalsa College Technical Campus met Mayor, Municipal Corporation, Mr. Jagdish Raj Raja and submitted to him a report on cracks developing on BMC Flyover. To give live exposure, students were taken to the BMC flyover to make visual inspection of the site without taking any soil samples and design reports. The report outlines the possible causes of the cracks and possible solutions discussed with Mayor, Mr. Jagdish Raj Raja.



The Cell initiated awareness campaign “COVID-19 VACCINATION” in various sectors of education to spread factual and timely information and updates on COVID-19 and its vaccination. The main objective of campaign was providing prompt, simple and focused communication on vaccine availability, safety and timelines, ensuring understanding and acceptance of the phased and prioritized approach to overcome concerns of population waiting for vaccination and building public confidence on the safety and efficacy of the new vaccine. The campaign concluded with a poster making competition on 'FIGHT AGAINST CORONAVIRUS' portraying a creative approach to spread awareness and boost self-confidence of the individuals to stand together against COVID-19.



## Alumni Meet

Lyallpur Khalsa College Technical Campus organized an Alumni Meet in which LKCTC faculty, staff and students welcomed the guests with love and warm smiles. It was a moment of re-living experiences, remembering the anecdotes and laughing once again on the stories that the college campus walls spoke of in silence. The event was a huge success with an overwhelming number of alumni turning up, thus making it a memorable event.

## Social Sensitization

Giving back to society is an important role of an educational institute. LKCTC is well aware about its social responsibility to make our students trustworthy citizens and good human beings. In this light, the Social Sensitization Club at LKCTC organized many activities as part of giving back to society.

### Seminar on traffic rules and regulations

Lyallpur Khalsa College Technical Campus organized a seminar on traffic rules and regulations. The Seminar was organized for the students to make them aware about the traffic rules and road safety. The Commissioner of Police, S. Gurpreet Singh Bhullar (IPS), ADCP S. Kulwant Singh Heer (PPS) and ACP Mr. Jang Bahadur Sharma (PPS) encouraged students to follow the traffic rules. The resource persons for the seminar ASI, S. Shamsher Singh, incharge traffic educational cell and HC, Mr. Ramesh Kumar gave righteous demonstrations for road safety and elaborated the ways in which mishaps can be avoided.

### Awareness Seminar on the menace and prevention of Drug usage

Lyallpur Khalsa College Technical Campus organized an Awareness Seminar on the menace and prevention of drug use. Ms. Indu Aggarwal, Entrepreneur and founder of Disha Foundation for India, Chandigarh delivered an awareness seminar on menace and prevention of Drug abuse. The expert discussed various methods to prevent the menace of drug addiction.

### Wall of Kindness

In order to impart the importance of "Giving is living", "Wall of Kindness" has been established in the premises of LKCTC. The Wall of Kindness is a welfare/charity project that is easy to implement and an effective way to ensure a common place where people can leave clothes, shoes, bed sheets and other useful things to be picked up by the needy.



### Donation to Orphanage

LKCTC undertook the noble task of collecting donation to help orphans & the disabled and conducted "Donation to Orphanage" activity in which the students and staff members contributed generously in the form of cash and kind donations (medicines, clothes, food items etc.) to the "Pinglagarh" orphanage in Jalandhar.

### Tree Plantation and Water Conservation Drive

One large tree can supply sufficient oxygen for four people. In order to disseminate the importance of trees among staff and students, 'Tree Plantation Drive' was organized under the flagship of National Service Scheme to encourage the students to plant trees to save our mother earth and reduce carbon footprint. Saplings including Amla, Lemon, Guava, Moringa etc. were planted in and around the campus and on outskirts of Village Tadha by the students. On this occasion, students also made posters on conservation of water.

### Blood Donation Camp

Social Sensitization club at LKCTC organized a blood donation camp in association with Rotary Club, Jalandhar in which more than 50 students and faculty members donated blood for the social cause.

### World Tourism Day Celebrations

To celebrate World Tourism Day, the Department of HMCT organized a competitive event for the students of Hotel Management. The event hosted Poster making and Collage making competitions on the theme of boosting International Tourism. The students participated in great numbers. Such celebrations are fundamental in bringing awareness in the society and add to the overall development of budding Hospitality students.



## International Women's day

International Women's Day marks a day of celebration and advocacy for women's rights and equality around the world. It is a global day celebrating the social, economic, cultural, and political achievements of women and their contributions towards society. LKCTC took an initiative to provide a platform to female students to discuss and interact with renowned female doctors about their Health and Wellness. The resource persons Dr. Divya Kalra, Dietician & Ayurveda expert and Dr. Shikha Chawla, MBBS (Radiation Oncology) HOD Radiation Oncology, Patel Hospital motivated female students and inspired them to remain healthy as female health is imperative for family and society. Nine Women Principals from different schools were also honored for their contribution to education in the leadership role.

## World Humanitarian day

To celebrate World Humanitarian day, Department of ECE organized "HAME KYA" (Nukkad Natak) in which students presented a street play to raise awareness about humanity and moral values. The theme of the play was "Humans For Humans". Students made humble efforts to shake the conscience of the audience and tried to convert apathy into empathy by this nukkad show. Funds were raised from the college for donation purposes

## Swachh. Bharat Abhiyan

NSS committee of LKCTC organized Swachh Bharat Abhiyan to bring behavioural changes in people and to promote healthy practices which will increase cleanliness awareness among people. The students and faculty of the college took part enthusiastically in cleaning the campus premises and contributed with a sense of responsibility to make India a clean country.

## International Yoga Day

LKCTC organized International Yoga day wherein students and faculty took active part in Yoga and promoted the idea of leading a healthy life. Yoga empowers us enough to discover happiness in making the world a happy place to live in. It helps light up the inner fire for a more fulfilled life.

## Fire Drill Activity

In order to ensure safety of students in the campus, Fire Drill activity was conducted for the students of BHMCT. Engineer Deepak Mattoo (CEO, Stop Fire Pvt. Ltd., Ludhiana) acquainted the students with the fire safety steps along with the skill and technique of using a fire extinguisher.

## Punjab Jagriti March

"Panjab Jagriti March"- A rally for Punjabi language was conducted to preserve and promote the language. The students of UG classes along with the faculty members showcased great vigour and respect for their mother tongue by participating ardently in the Rally.

## Promotion of Organic Home Grown Vegetable Consumption

Lyallpur Khalsa College Technical Campus in collaboration with Horticulture Department, Govt. of Punjab organized an event for "Promotion of Organic Home Grown Vegetable Consumption". Students and faculty members were made aware about the importance of Vegetables and Kitchen Gardening. Kits containing seeds of vegetables brought from Horticulture Department, Govt. of Punjab were also sold at no profit no loss to promote Organic Home Grown Vegetable Consumption.



## Celebration of 550th Birth Anniversary of Guru Nanak Dev Ji



LKCTC celebrated the 550th Prakash Purab of Shri Guru Nanak Dev Ji on 15th November, 2019. The program started with path of Shri Sukhmani Sahib, followed by shabad kirtan and langar. Sardarni Balbir Kaur (President, Governing Council) addressed the devotees to follow the principles and teachings of Shri Guru Nanak Dev Ji like Kirat Karo, Naam Japo and Vand Chhako. The celebration was marked by the presence of various other dignitaries of KCL Group.

## Basant Panchmi Celebrations



Lyallpur Khalsa College Technical Campus celebrated Basant Panchami with lot of enthusiasm & fanfare. Director LKCTC, Dr. S.K. Sood highlighted the importance of Basant Panchami and said that the festival is usually considered to mark the onset of spring emulating the light yellow mustard flowers in the field. Basant Panchmi is also a festival that honours Maa Saraswati, the Goddess of Knowledge, Music and Art. The students showcased the vibrant tradition of Punjab depicting the spirit of inner freedom, creative pride and zest for life and participated with great enthusiasm in Kite Flying Competition. Students with the most innovative and eco-friendly kites were appreciated and awarded.

## Lohri Celebrations



The harvest festival of Punjab – Lohri was celebrated by LKCTC to keep the traditions and culture alive in students as it helps in developing feelings of unity, brotherhood and eliminates barriers like caste, creed, religion etc. In this light, LKCTC celebrated Lohri festival and students enacted in a play based on life of Dulhabhatti. The students pledged to become good human beings and to serve the society in a better manner.

## Diwali Fest



As an initiative to inculcate the spirit of entrepreneurship among the students and to motivate them to celebrate Green Deepawali, LKCTC organized Diwali Fest. This maiden event turned out to be a grand success, wherein the students were given a platform to showcase their creative ideas and transform them into products and services. Students participated in the event with full zeal and fervor and organized various stalls exhibiting interior decoration items, customized envelopes and bookmarks, games, nail art, gift items, water bottles, hand-made products, decorative candles, diyas, food items, etc. The fest also featured the participation of students of LKCTC and Lyallpur Khalsa College for Women in various competitive events such as PPT Presentation, Rangoli, Face painting, Collage Making, Poster Making and Salad Making. The Principals of some of the leading schools of Punjab were invited to grace the fest and were awarded with S. Balbir Singh Memorial Award for Educational Excellence.

## 71st Republic Day Celebrations



IVBP (Institutional Values & Best Practices) Committee of LKCTC organized an event to mark the celebration of 71st Republic Day. A number of competitive events were organized such as Rangoli, Stamp designing, Poster making, Debate and Duet song on Patriotism, wherein the students participated in huge numbers.

## Rakhi Celebrations



The festival of Rakhi was celebrated by giving a chance to students to exhibit and sell their hand-made rakhis. The students came up with creative rakhis and gifts. Thus their leadership and business skills were honed through this exercise.



## Annual Sports Meet

The sports field is a place where young men and women are able to learn the rules of living, playing, losing and winning. These activities are essential for students to provide them a break from academic rigor and to learn team spirit. To facilitate this, LKCTC organized Annual Sports Meet covering a wide variety of sports events such as 10 meter Race, Sack Race, Chess, Badminton, Volleyball, Long Jump, Basketball, Cricket, and many more. The sports meet was inaugurated by the Chief Guest Mr. Rajinder Singh, Ex- Olympian (Hockey). The chief guest in his address complimented the students for their performance in March past and appreciated the students for their punctuality and interest in sports activities and emphasized the importance of students' participation in sports. The overall championship was bagged by the Department of Computer Science Engineering. Rajkumar, Student of Computer Science and Engineering was chosen as Best Sportsperson – Male and Kanika, Student of Computer Science Engineering got the award of Best Sportsperson – Female.

## LKCTC Achievements in Academics

S.NO	COURSE / BRANCH / SEMESTER	STUDENT'S NAME	Merit Position (IKG-PTU ETE)/SGPA
1	BBA – II	Disha	10th Position
2	BBA – IV	Ramneet Kaur	5th Position
3	BBA – IV	David John	8th Position
4	BBA – IV	Paras Arora	8th Position
5	BBA – IV	Riya	8th Position
6	B. Com (Hons.) – II	Jasleen	7th Position
7	B.Com (Prof.) - IV	Jaspreet Kaur	3rd Position
8	B.Com (Prof.) - IV	Jasmeen Kaur	4th Position
9	B.Com (Prof.) - IV	Sapna	4th Position
10	B.Com (Prof.) - IV	Sunita	5th Position
11	B.Com (Prof.) - IV	Manan Kapoor	5th Position
12	B.Com (Prof.) - IV	Dakshit Girdhar	7th Position
13	B.Com (Prof.) - IV	Denis	8th Position
14	B.Com (Prof.) - IV	Yashika Bhardwaj	8th Position
15	B.Com (Prof.) - IV	Simmi	8th Position
16	B.Com (Prof.) – VI	Rohit Jassal	9th Position
17	B.Com (Prof.) – VI	Gurpreet Kaur	10th Position
18	B.Com (Prof.) – VI	Neetu	10th Position
19	MBA – II	Navdeep Kaur	1st Position
20	MBA – II	Saloni	2nd Position
21	MBA - II	Pooja Jassal	3rd Position
22	MBA - II	Sonia	4th Position
23	MBA - II	Harjinder Kaur	8th Position
24	MBA - II	Pooja Saini	8th Position
25	MBA - IV	Rohini	6th Position
26	MBA - IV	Kuljit Kaur	7th Position
27	BCA -II	Nikita Nayyar	4th Position
28	BCA -II	Vishali	5th Position
29	BCA -IV	Anshu Kumari	4th Position
30	BCA -IV	Kudrat	4th Position
31	BCA -IV	Sudhanshu Gupta	7th Position
32	BCA -VI	Kajal	1st Position
33	BCA -VI	Charu Arora	10th Position
34	BCA -VI	Nandini Choudhary	10th Position
35	BCA -VI	Rishika	10th Position
36	MCA -II	Avtar Lal	1st Position
37	MCA -II	Amanpreet Kaur	2th Position
38	MCA -II	Mandeep Kaur	5th Position
39	MCA -II	Pravita Am	7th Position
40	MCA -II	Parul Chadha	9th Position
41	MCA - IV	Loveneet Kaur	2nd Position
42	MCA - IV	Simran Virdi	2nd Position
43	MCA - IV	Vicky Sharma	3rd Position
44	MCA - IV	Radha Rani	4th Position
45	MCA - IV	Rajni	7th Position

## LKCTC Achievements in Academics

S.NO	COURSE / BRANCH / SEMESTER	STUDENT'S NAME	MERIT POSITION (IKG-PTU ETE)/SGPA
49	MCA-VI	Kudrat	3rd Position
50	MCA-VI	Kiran	9th Position
51	MCA-VI	Harleen Kaur	9th Position
52	CSE	Avneet Kaur	9.23 SGPA
53	CSE	Karandeep Singh	9.23 SGPA
54	CSE	Komalpreet	9 SGPA
55	CSE	Manpreet Kaur	9.18 SGPA
56	CSE	Punit Kainth	9 SGPA
57	CSE	Ruby Kala	9.45 SGPA
58	CSE	Uday Singh	9.05 SGPA
59	CSE	Gurlaganjeet Kaur	9.05 SGPA
60	CSE	Monika Jasmeen	9 SGPA
61	CE	Muskan	9.54 SGPA
62	CE	Poonam Kumari	9.39 SGPA
63	CE	Ekta Khanna	9.25 SGPA
64	CE	Mutaza	9.25 SGPA
65	CE	Kamal	9.25 SGPA
66	ECE	Anjali Bargota	10 SGPA
67	ECE	Sunidhi Srivastava	10 SGPA
68	ECE	Aakriti Srivastava	10 SGPA
69	ECE	Harwinder Singh	10 SGPA
70	CE	Nidhi Kumari	5 SGPA
71	CE	Mohit Kumar	7 SGPA
72	CE	Pawan Kumar Mishra	9 SGPA
73	ME	Karan	5 SGPA
74	CSE	Lovish Joshi	6 SGPA
75	CSE	Rosy	10 SGPA
76	ECE	Priya	5 SGPA
77	ECE	Sunidhi Srivastava	10 SGPA
78	CSE 2nd	Shivam Sharma	10th Position/9.21 SGPA
79	CSE 4th	Samanpreet Kaur	5th Position/8.84 SGPA
80	ECE	Priya	5th Position/9.19 SGPA

## LKCTC Achievements in Cultural Activities

Name of the event/activity	Name of the student who participated	Class/Sem.	Award
National Science Day	Muskaan	CSE 6th	<b>3rd Position, Rangoli</b>
Competition (CT Institute of Engineering, Management & Technology), Jalandhar	Aishlee	CSE 6th	<b>3rd Position, Rangoli</b>
	Navneet Kaur	CSE 6th	Participation Certificate
	Navdeep Kaur	CSE 6th	Participation Certificate
	Harinder Kaur	CSE 6th	<b>Consolation Prize, Declamation</b>
	Simran	CSE 6th	Participation Certificate



## Admission Procedure @LKCTC

### Guidelines

- Admission to MBA, MCA, BHMCT, BBA, BCA & B.Com. (Hons.), B.Tech., B.Sc.-MLS, Diploma will be done strictly on the basis of guidelines issued by IK Gujral Punjab Technical University, Jalandhar.
- The admission form for taking admission in the above mentioned courses can be collected from the registration counter of the Institute.

**Note** Admission in all the courses will be done on the basis of the merit of marks secured in the qualifying examination or otherwise as specified by the University.

**Start of Session** Even Semester - 1st January-30th June      Odd Semester - 1st July- 31st December

### Documents Required\*

1. Admission Form completed in all respects.
2. Original certificates and mark sheets of previous examination passed i.e. 10th, 10+2/Diploma and Graduation (for PG Students).
3. Attested Xerox copies of these documents.
4. Migration Certificate in original from the previous University other than IKG PTU (for UG and PG Students).
5. Residence Certificate.
6. Character Certificate issued by Principal/ Competent Authority of the last Institute attended.
7. Anti Ragging Affidavit attested by Notary.
8. Gap Affidavit (If any) issued by Magistrate.
9. 5 Passport Size Photographs.

\*Additional documents required for SC/OBC students availing Post Matric Scholarship

### Fee Structure

As per the Punjab Technical University/Punjab State Board of Technical Education guidelines as revised from time to time.

### Scholarships

SC/ST, OBC, PwD scholarship will be given as per the norms of UGC, IKG-PTU and Punjab State Govt. policy.

### Refund Rules

As per AICTE/IK Gujral Punjab Technical University Guidelines/Notifications.

### Seat Reservation Policy

As per IK Gujral Punjab Technical University/Punjab Govt./ AICTE Guidelines as revised from time to time.



## Code of Conduct

**To foster a sense of discipline in the institute, the students are expected to observe this code of conduct strictly.**

- Students should be regular and punctual in attending the classes.
- No student will be allowed to enter the premises without the Identity card.
- Students must maintain discipline and decorum in and outside the classrooms.
- Quarrels and disputes should be avoided and self-restraint be exercised within the institute area.
- No damage to the college property will be condoned under any circumstances.
- No student shall indulge in consumption of alcohol / drugs within the college campus and if found guilty will be expelled straightway without giving any reason thereof.
- Students are required to be in college uniform on the days specified by the institute for the same.
- The use of mobile phones in the academic areas of the college campus is strictly prohibited.
- Students should maintain cleanliness in the campus.
- Attendance during functions and placement drives in the institute is compulsory for the students.

### Note:

Note: Institute reserves the right to add to the existing code of conduct as per its own circulars issued from time to time. Students found guilty of infringement of code of conduct shall be liable to punishment in the form of fine, expulsion from the college and withdrawal of admission from the university depending upon the seriousness of the offence.



# Anti Ragging Policy or No Ragging Institution

## Ragging of any form or manner is strictly banned in the campus

Ragging is a notorious practice wherein the senior students get an excuse to harass their junior counterparts, and more often than not, make them easy targets to satiate their own perverse sadistic pleasures. In exercise of the jurisdiction conferred by Article 32 and Article 142 of the Constitution and order of The Honourable Supreme Court, an Antiragging committee is formed in LKCTC. Main objective of Anti Ragging committee is to create ragging free atmosphere in and outside the campus and to create awareness among students regarding acts and punishments pertaining to ragging activities.

### Ragging Means

Any disorderly conduct whether by words spoken or written or by an act with the effect of teasing, treating or handling with rudeness any other student, indulging in rowdy or in disciplined activities which causes or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in a fresher or a junior student or asking the students to do any act or perform something which such student will not do in the ordinary course and which has the effect of causing or generating a sense of shame or embarrassment so as to adversely affect the physique or psyche of a fresher or a junior student.

### Punishment for the student involved/instigating the act of ragging

Depending upon the nature and gravity of the offence, the possible punishments for those found guilty of ragging at the institution level shall be any one or any combination of the following:

- Suspension from attending classes and academic privileges.
- Withholding /Withdrawing scholarship/fellowship and other benefits.
- Debarring from appearing in any test/examination or other evaluation process.
- Withholding results of the candidate.
- Debarring from representing the institution in any regional, national or international meet, tournament, youth festival etc.
- Suspension/Expulsion from the hostel.
- Cancellation of Admission.
- Rustication from the institution for the period ranging from 1 to 4 semesters.
- Expulsion from the institution and consequent debarring from admission to any other institution for a specified period.
- Fine Ranging between Rs. 25,000/- and Rs. 1,00,000/-.
- Collective punishment if persons committing or abetting the crime of ragging are not identified.

### Appeal

Ragging is a problem of the students and by the students; and therefore, the solution to it also lies with the students. With ragging becoming rampant in institutes, it is about time that the student community awakens its conscience to this inhuman practice before more and more innocent students become victims of it and before more and more educational institutes are degraded by it.

### Anti Ragging Committee

S.No.	Member	Designation	Role	Phone No.	Email
1.	Dr. S.K Sood	Director	Chairman	9888521762	Iddirector.kclimt@kclimt.com
2.	Er. Silky Khurana	Assistant Prof. ECE	Coordinator	7009254942	silkykhurana@lkcengg.edu.in
3.	Er. Navdeep Singh	Assistant Prof. ME	Member	7009494162	navdeepsingh@lkcengg.edu.in
4.	Er. Abhishek Sachdeva	Assistant Prof. CE (HOD Dip.)	Member	9781706262	abhisheksachdeva@lkcengg.edu.in
5.	Ms. Ramandeep Kaur	Assistant Prof. AS	Member	9876454319	ramandeepkaur@lkcengg.edu.in
6.	Mr. Rameshwer Singh	Assistant Prof. IT	Member	9417465638	rameshwer.banga@kclimt.com
7.	Mr. Arshdeep Singh	Assistant Prof. HMCT.	Member	9646025859	arashdeep.singh@kclimt.com
8.	Ms. Namita	Office Assistant	Member	9915588676	info@lkcengg.edu.in
9.	Shivam CSE-3rd Year	Representative of Senior Students (Male)	Student Representative	7973018920	shivam.94635@gmail.com
10.	Sourav Joshi CSE-2nd Year	Representative of Junior Students (Male)	Student Representative	7888933446	souravjashi206@gmail.com
11.	Snovia BCA 4th Sem	Representative of Junior Students (Female)	Student Representative	6283169172	snoviahbhatti@gmail.com
12.	Mr. Rajinder Kumar	Retired Bank Manager Indian Overseas	Parent Representative	9463009501	rkumar57in@gmail.com
13.	Mr. Kamal Kishor Sharma	Business Man	Parent Representative	9463572689	shivam.94635@gmail.com
14.	Mr. Darshan Singh	Senior Reporter, Punjab Kesari and Jagbanli	Local Media	9814930236	darshanpk@gmail.com
15.	Mr. Amandeep Singh	Constable, Punjab Police	Punjab Police	7508394328	amansaini167@gmail.com

## Student Speak



"Everyday I am thankful to have picked LKCTC as the institute to graduate from. The faculty members are friendly, experts in their respective fields and always accessible to help and guide the students. There is emphasis on practical learning of concepts rather than limiting the lectures to theory alone. We are tested for how much we have understood and are able to apply that knowledge to solve problems. Well-equipped classrooms make learning interesting."

**--- Gourav,  
B.TECH. CE, 6TH SEM.**



"I am studying at LKCTC as a student of CSE deptt. The institute has certainly lived up to its reputation of being the best professional institute in the region for engineering and management courses. We have the best of the infrastructure, faculty and student support and guidance system in place. Along with academic pursuits, attention is paid to overall development of students through participation in various co-curricular and extra-curricular activities."

**-- Shivam Sharma,  
B.TECH. CSE, 6TH SEM.**



"LKCTC offers everything a student enrolled in a professional degree could ask for. There are learned educators, disciplined environment, host of events for holistic development and state-of-the-art infrastructure to ensure theoretical as well as practical learning. I feel hopeful about my career ahead, especially with the constant guidance we receive about placements and the training we undergo to imbibe the desirable professional attributes."

**-- Lavankshi,  
B.TECH ECE, 6TH SEM.**



"LKCTC has provided me a platform to realize my potential to make best out of it. The guidance and support of the professors throughout my course was incredible. The education imparted here gives me confidence and direction towards a successful career. I will always be grateful to this institute."

**- Ankush Kotwal,  
B.TECH. ME, 8th SEM.**



"LKCTC has not only helped me in developing the perfect instinct but also has helped in making myself more presentable. I was never a diamond with brilliance, but yes the time spent in this Institute gave me some brilliant cuts."

**- Shifali,  
MBA- 2ND SEM.**



"At LKCTC, the classes are delivered with the right mix of in-class lectures, hands on experience, group assignments. I thank all those pursuits for helping me in building a stronger and a much positive attitude towards life."

**- Bhawna Sharma,  
MBA 4th SEM.**



"Whenever I look back to my journey of 3 semesters at LKCTC I realise that there are so many memories to cherish. Despite ups and downs, I learnt to lead and created a unique identity not only in academics but also in extracurricular activities."

**- Shruti Sharma  
MBA-4th SEM.**



"LKCTC provided me the best platform to groom myself academically as well as personally. I heartily thank the excellent faculty of this Institute for bringing out the best in me."

**- Parjot Kaur  
MCA 4th Sem.**



"Being a student of LKCTC has been a truly stimulating experience, a very worthwhile investment in terms of both personal and professional development."

**- Gurneem,  
BBA 6th SEM.**



"LKCTC has been like a joyride in my life. Studying here is fun, exciting, and like playing in a field of innovation and a great learning experience."

**- Sahibpreet Singh,  
BCA 6TH SEM.**



"My experience in this institute has been nothing short of pleasure. LKCTC for me, has genuinely been an epitome of knowledge, creativity & learning."

**- Snovia Bhatti,  
BCA 4TH SEM.**



"If there is one word to describe this Institute, its STUPENDOUS, be it keeping the students in pace with the changing trends and technologies or inculcating core professional & personal values, the journey at LKCTC has been truly overwhelming. And the supportive faculty made it all the more worthwhile."

**- Amritpal Singh,  
MBA 4TH SEM.**

## Alumni Speak



“I am very grateful to LKCTC for turning me into the person I am today. Every day, every moment spent at LKCTC taught me something. The Faculty members helped shape my future and were always available to answer our queries. The lecturers did not merely teach us, they are more like guides lighting our path to success and a rewarding career ahead. How I wish I could relive the 4 years I spent here.”

**KAJAL SATIJA**

Assistant System Engineer, TCS



“College life sets the tenor for the rest of our professional life. The experiences, the lessons learnt and the personal growth which takes place outside of our comfort zone, goes a long way to ensure we are successful in our pursuits. My time at LKCTC provided all this and more. From a shy, hesitant person, I turned into a confident individual armed with sound professional knowledge of my chosen field. The credit goes to my wonderful teachers at LKCTC who pushed me to explore my potential and do better than yesterday.”

**PARAS DUA**

Developer, TCS



“My MBA degree played a catalyst role in shaping me into a professional capable enough to make a mark in the competitive professional world. Considering the fact that I was a student of LKCTC, Jalandhar, I was apprehensive at first about my career but believe you me the institute left no stone unturned to shape my future in every possible manner. The success and greater heights that I have attained today, I owe it all to LKCTC.”

**VIKRAM RAJA**

Superintendent (Hospital Manager), Guru Teg Bahadur Hospital, Delhi



“I honestly believe that MBA provides a platform for students to start their career on a firm footing. Mt two years at LKCTC gave me immense opportunities to not only increase my knowledge in the subjects that were taught, but also to discover my true potential by participating in various extracurricular programs, academic activities, and inter college fests. I will always remain indebted to my alma mater for my whole life.”

**SAMRIDHI SINGLA**

SEO Executive, Glocify Tech. Chandigarh



“My two years at LKCTC have been excellent and memorable enough to cherish for a lifetime. The years spent over there have been full of learning opportunities that were fun and exciting. The practical exposure that I gained during my studies made me stronger and prepared me to face the tough competition of the corporate world. The success that I have attained today, I attribute it to LKCTC.”

**GURPREET KAUR**

Designer, IKEA, Vancouver, Canada



“LKCTC is all about enlightening minds, encouraging talent, entrusting responsibilities, evaluating failures & enjoying successes. It gives me a sense of pride and achievement to have been a part of such a prestigious institute. I learnt more during my time spent at LKCTC than at any other place. I am grateful to the excellent and dedicated faculty for taking the pains to groom each and every student into a graduate ready to take on the challenges of the corporate world.”

**MADHAV**

Director (Web Designer & Developer)  
Bansal Infosys



“Finding the right path to success at the right time is really very important and that's why I had selected LKCTC. The friendly environment, the systematic approach towards imparting education made me a competent individual. The faculties are really very kind and approachable when any need arises. In LKCTC, we are trained for our placements and because of that I was placed in one of the reputed companies for my internship. Today, I am in a good position. Lastly I am really proud to be a part of LKCTC.”

**TWINKLE PUNJ**

HP



“At the very outset I would like to express my heartiest thanks to the LKCTC family. I extend my warm regards to my deptt., the Dept. of COMPUTER SCIENCE & ENGINEERING which has immensely helped me succeed. Entering LKCTC is one of the best things that happened in my life, both on personal and professional front. It has inculcated a lot of intra and interpersonal skills which is one of my key learning by being part of the LKCTC family.”

**AYUSH SHARMA**

Java Developer, Vayam Technology Limited



“Do not forget the prestige that comes with studying Engineering. Everyone knows how much effort is required to qualify as an engineer. I never felt boredom because we were part of various events and activities at LKCTC while pursuing engineering. It is a place where one experiences overall personality development along with best academic exposure. So the element of respect comes naturally. Privileged to be a part of this kind of experience with LKCTC and love the way of teaching.”

**PRABHJOT SINGH**

Pursuing Course in Mobile Application Development  
at Cégep de la Gaspésie et des îles Montreal, Quebec, Canada



“Spending four years at LKCTC has helped me to gain excellent knowledge and the right attitude towards my career through various opportunities like working on case studies and practical demonstrations. Now, I am working with an IT company “Zapbuild Technologies” as the Team Lead of Process coordinators. I would like to thank the ECE department team who ensured that we, the students, are well organized, maintain attention to develop necessary skills, have commendable client facing skills and are full of confidence by organizing numerous sessions with industry experts, communication experts and also, speakers from different technical fields. Various expert talks by professionals and the training modules organized by LKCTC make the students ready for interviews and inculcate strong competitive skills in students.”

**ANU SAINI**

Process Coordinator, Zapbuild Technologies



“Lyallpur Khalsa College Technical Campus, Jalandhar has always believed in helping and guiding its students not only in studies but also in Sports and other cultural activities. Being a National player of basketball, State player of Football and University Gold medalist in Debate competitions, I can say that the proper grooming of a personality is done here. Regular classes held at our college help us to enhance our aptitude and technical skills. Our Placement administration officers also guided and encouraged us at each step thereby helping me secure my placement at such a reputed company.”

**HARMANPREET SINGH**

Senior Business Executive, Jaro Education, Gurgaon, Haryana



“For LKCTC, “The world is here, where are you” is not just a slogan but I lived it in reality. LKCTC is a beautiful and historic place where people from different nationalities meet together to share one common goal, EDUCATION. I had the opportunity to meet with the dynamic and distinguished faculties, who are enthusiastic, friendly patient and highly qualified. With their guidance and constant mentoring I have been able to become a true professional in all the facets of life. Thanks to guidance provided by the Training & Placement Department, without their help I would not have been placed in Grazitti Interaction. I have emerged as a new individual. All Thanks to LKCTC.”

**MUSKAAN**

Salesforce Engineer Grazitti Interactive



# LYALLPUR KHALSA COLLEGE TECHNICAL CAMPUS

## SCHOOL OF ENGINEERING

- Address:** Lyallpur Khalsa College of Engineering  
Cantt. Road, Jalandhar.
- Phone No.:** 0181-2350408, 412, 414, 97817-06262, 9780150400
- Website:** [www.lkcengg.edu.in](http://www.lkcengg.edu.in)
- E-mail:** [admission@lkcengg.edu.in](mailto:admission@lkcengg.edu.in), [info@lkcengg.edu.in](mailto:info@lkcengg.edu.in)
- Facebook:** <https://www.facebook.com/LKCEngg>

## SCHOOL OF MANAGEMENT, HM & IT

- Address:** Opp. Lyallpur Khalsa College, G.T. Road, Jalandhar
- Phone No.:** 0181- 2350405-07, 99143 20506, 94174-65638
- Website:** [www.kclimt.com](http://www.kclimt.com)
- E-Mail:** [admin.office@kclimt.com](mailto:admin.office@kclimt.com), [kclimtjal@gmail.com](mailto:kclimtjal@gmail.com)
- Facebook:** <https://m.facebook.com/lyallpurkhalsacollegetechnicalcampus>