LKCE
NEWSLETTER
May 2019

About LKCE

The Lyallpur Khalsa College of Engineering got established in 2013 under the aegis of Khalsa College Lyallpur Education Charitable Trust. The Institute is located in the heart of city on a prime piece of land. It was established with an aim to impart engineering education to the students to make them competent, motivated engineers and scientists. The institute as a first step will provide the education in the field of Mechanical Engineering, Civil Engineering, Electronics & Communication Engineering and Computer Science & Engineering disciplines, the most sought after disciplines at present due to the huge potential for the industry absorbing the good students in these fields and very rapid investments taking place in the region.

Our Chief Patron

Sardar Sukhbir Singh Chatha

Advisor

Dr. R.S.Deol

Editor-in-Chief

Dr. Pooja Dhand

Coordinator

Dr. Pawanpreet Kaur

Highlights

Alumni Meet
Annual Sports Day
Innovance-2019
Workshops
Industrial Visits
Internship Drive

Institutional Events

5th Annual Sports meet-2019 was organized on 22nd March.

WOMEN'S DAY

DRUG AWARENESS SEMINAR

NSS Committee organized an event on the occasion of International Women's day in their campus on 8th mar 2019 as a salute and respect to the female faculty members..

An awareness Seminar was organized by NSS Committee of LKCE on 13th March on menace and prevention of Drugs.

Innovance 2019
An Inter School Competition

LKCE in NEWS

Students show skills in college tech fest

OUR CORRESPONDENT

JALANDHAR, APRIL 5

An inter college tech-fest 'Innovance-2K19' was organized at Lyallpur Khalsa College of Engineering in which students from 25 colleges and universities participated and showcased their talent.

Jatinder Jorwal, chief administrator PUDA, JDA, assistant commissioner MC graced the occasion as chief guest. Various events Power-Point presentation, cartooning, rangoli, group dance, solo dance, quiz, poster making, project display, bridge making, on the spot photography, treasure hunt and among other events were held.

Sardarni Balbir Kaur, President Governing Council congratulated the staff and students for organizing the event. She said, through such events students get a platform to showcase their talent and enhance their skills.

Jatinder Jorwal presented prizes to the winners. He said that these students are the future of nation and these types of events not only help them to excel in academics but also improve their overall personality and help them compete with other students in a positive and healthy way.

Jalandhar Tribune Sat, 06 A 2019 https://o

Sayonara 2019
Farewell to final year students was organised on 20th April 2019

ALUMNI MEET-2019

An Alumni Meet-2019, with the participation of students from the all the departments (ME, CE, ECE & CSE) was organized on 22nd Feb 2019 .

ICETEM-2019

First International Conference was organised by LKCE and KCL-IMT on Emerging Trends in Engineering & Technology on 27th April 2019.

Department of
Civil Engineering

Workshops/Guest Lectures

Guest Lecture was delivered by Dr. Navdeep Singh, Assistant professor at NIT Jalandhar on the topic **'Utilization of Coal Bottom Ash in Recycled concrete Aggregates based on Self Compacting Concrete blended with Metakaoline.'** that was held on February 22,2019.

Workshop on 'Cement and Concrete' was conducted by Mr. Randher Singh Bajwa,Technical Service Manager, and team of DURATON CEMENT

Workshop on **'Soft skill and Personality development'** was delivered by Mrs. Neetu Mahajan, Motivational speaker that was held on February 20,2019.

Mock interview was conducted by Er. Gurpreet Singh, Executive Engineer from PUDA, Amritsar that was held on March 1,2019.

Industrial Visit to Ready Mix Concrete, Hot mix plant at Lambra on April 2,2019.

GATE QUALIFIED STUDENTS CE (2015-2019)

SUMITA

HUNNEY SINGH

MERIT HOLDERS OF DEPARTMENT OF CIVIL ENGG.

VIJAY
CE-5th
SGPA 8.93

Md. MURTAZA KAMAL
CE-5th
SGPA 8.93

GAUTAM KUMAR
CE-5th
SGPA 8.49

NANDINI
CE-3rd
SGPA 8.0

MUSKAN
CE-5th
SGPA 8.76

POONAM
CE-5th
SGPA 8.76

LUBNA JAN
CE-3rd
SGPA 8.59

SHUBHAM
CE-3rd
SGPA 8.1

INDERJEET
CE-5th
SGPA 8.34

JASMEEN
CE-5th
SGPA 9.24

EKTA KHANNA
CE-5th
SGPA 8.93

PARVEJ
CE-5th
SGPA 8.45

STUDENT ACHIEVEMENTS in TECHFEST "INNOVANCE 2019"

S. NO.	NAME	SEMESTER	EVENT	POSITION
1	Dawinder Singh bedi	8th	Photography	2nd
2	Shivam	4th	Cadd-o-mania	2nd
3	Anmol Rattan	4th	Quiz	1st
4	Karan	8th	Group Singing	1st
5	Neeraj			
6	Shivam Gogna	8th	Quiz	2nd
7	Amardeep Singh			
8	Navneet Singh			
9	Shivam gogna	8th	Project display	3rd
10	Sunil			
11	Dushyant			
12	Charandeep Sandhi			
13	Upinder			
14	Charandeep Sandhi	8th	Treasure Hunt	1st
15	Dushyant			
16	Vidya Sagar			
17	Sunil			
18	Navneet Singh			
19	Inderjeet	6th	Treasure Hunt	2nd
20	Md. Murtaza Kamal			
21	Arvind			
22	Jasmeen			
23	Poonam			
24	Poonam	6th	Bridge It	3rd
25	Lovepreet			
26	Inderjeet			
27	Jasmeen			
28	Arvind			
29	Sunanda	6th	Bridge It	1st
30	Tarun			
31	Lovelesh			
32	Sandeep Singh			
33	Pankaj Kumar			

STUDENT ACHIEVEMENTS in ANNUAL SPORTS MEET 2019

SR. NO.	NAME	SEMESTER	EVENT	POSITION
1	Sunil	8th	Chess	2nd
2	Sumita	8th	Carrom	3rd
3	Parvej Aalam	6th	Carrom	1st
4	Rajiv	6th	Lemon Race	1st
5	Sarabjeet Singh	6th	Long Jump	3rd
6	Muskan	6th	Long Jump	1st
7	Gurbaz Singh Bhinder	6th	Shot Put	1st
8	Poonam	6th	Needle Thread Race	1st
9	Sapna			
10	Karan	8th	Volley Ball	1st
11	Rahul Minhas	8th		
12	Pawandeep	8th		
13	Shubham	4th		
14	Harish	4th		
15	Sukhpreet	4th		
16	Students of Civil Engineering Bagged FIRST POSITION in Tug of war			

STUDENT ACHIEVEMENTS in Techfest "COLORS" Held at CT INSTITUTE

SR. NO.	NAME	SEMESTER	EVENT	POSITION
1	Parvej Aalam	6th	Project Display	2nd
2	Vijay Kumar			
3	Sukhjeet Singh			
4	Ravi			
5	Shubham			
6	Rajiv			

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

Guest Lectures/Workshops/Expert Talks

Guest Lecture was delivered by Dr D.S Rao, Professor CSE (19 Jan 2019) on topic "Self Assessment Report" on 10th Jan 2019.

One day Workshop on "Database Server Management" was organized on 27th March 2019 and the resource person was services Mr. Gaurav Sharma from O7

Industry Visits

An industrial visit to PUNCOM, Mohali was organized for CSE-4th Sem on 20th Feb, 2019.

ACADEMIC ACHIEVEMENTS

Neha
CGPA(9.14)
CSE 7th

Kiranjot Kaur
CGPA(8.95)
CSE 7th

Twinkle Punj
CGPA (8.82)
CSE 7th

Kajal Satija
CGPA(8.77)
CSE 7th

Pooja Rani
CGPA(8.73)
CSE 7th

Manmeet Kaur
CGPA (8.64)
CSE 7th

Mrinaal
CGPA (8.64)
Cse 7th

Anjali
CGPA(8.5)
CSE 7th

Ekta
CGPA(8.5)
Cse 7th

Shweta Bhatia
CGPA(8.5)
CSE 7th

Swekcha Shukla
CGPA (8.45)
CSE 7th

Shruti Thakur
CGPA (8.36)
CSE 7th

Kashish Kumar
CGPA(8.32)
CSE 7th

Lipika Kholi
CGPA(8.27)
CSE 7th

Kavita Sharma
CGPA (8.05)
CSE 7th

Ruby Kala
CGPA(8.6)
CSE 5th

Manpreet Kaur
CGPA (8.32)
Cse 5th

Komalpreet
CGPA (8)
CSE 5th

ACADEMIC ACHIEVEMENTS

LOVISH
CGPA(9.23)
CSE 3rd

Taranpreet Kaur
CGPA (9.19)
CSE 3rd

Samanpreet Kaur
CGPA (9.15)
CSE 3rd

Rosy
CGPA(9.4)
CSE 3rd

Shtakshi
CGPA (9.4)
CSE 3rd

Gurkirat
CGPA (9)
CSE 3rd

Mamta
CGPA (8.6)
CSE 3rd

Shabnam
CGPA (8.6)
CSE 3rd

Ranjna
CGPA (8.38)
CSE 3rd

Jyoti Sharma
CGPA (8.08)
CSE 3rd

Ashish Atwal
CGPA (8.08)
CSE 3rd

Hitesh
CGPA (8)
CSE 3rd

STUDENT ACHIEVEMENTS in INTER COLLEGE COMPETITIONS

Varinder Singh
CSE 3rd
Photography (1st)

Manpreet Kaur
CSE 5th
Poster Making (1st)

Manpreet Kaur
CSE 5th
Poster Making (1st)

Karandeep Singh
CSE 5th
Code Debugging (1st)
Query Optimization(1st)
Won a prize of Rs. 18000 in
Hackathon held at IIT Ropar

Reetika Chauhan
CSE 5th
Code Debugging (2nd)

DEPT. OF ELECTRONICS & COMMUNICATION ENGG.

LEARN FROM GOOGLE

"LEARN from GOOGLE" was organized on 15-02-2019 with the aim to provide learning skills to students

INDUSTRIAL VISIT

One day Industrial visit to "PunCom Mohali" was organized on 21-Feb-2019. The students gained deep insight into the growing telecommunications, networking and broadband needs of major organizations and service providers in the country.

WORKSHOP ON "IOT AND ARDUINO"

A Hands-on Workshop on "IOT and Arduino" organized for the students on April 2,2019 to enhance the technical and practical skills of students on how to program NodeMCU board with the Arduino IDE.

FACULTY ACHIEVEMENTS

• Nancy Gupta, Jyoti Saxena and Kamaljit Singh Bhatia, "Optimized Metamaterial Loaded Fractal Antenna using Modified Hybrid BF-PSO Algorithm", Accepted in Neural Computing and Applications-Springer, SCI indexed (4.213 Impact factor), 2019.

• Shally Gujral, Harjit Pal Singh, Kamaljit Singh Bhatia, and Nancy Gupta, "Different Techniques for Bandwidth Enhancement of Fractal Antennas-A Review", Proceedings of 4th International Multi-Track Conference on Sciences, Engineering & Technical Innovations, Jalandhar, October 5-6, 2018.

• Monika Tuteja, Harjit Pal Singh, Kamaljit Singh Bhatia, and Nancy Gupta, "Bandwidth Enhancement of Microstrip Patch Antennas using Metamaterials: A Review", Proceedings of 4th International Multi-Track Conference on Sciences, Engineering & Technical Innovations, Jalandhar, October 5-6, 2018.

• Pallavi Sharma, Gurmanik Kaur, "Review on Data Mining Techniques for Prediction of Chronic Kidney Disease", in International Journal of Engineering Trends and Technology (IJETT), Volume 63 Number 1 – September 2018.

• Jasmeen Kaur attended One-day National Seminar on "Educational Empowerment & Teacher Sustainability" at S.B.H.S.M Khalsa College of Education, Mahilpur and presented the paper entitled "Teaching and Learning in Engineering".

Academic Achievements

Ekjot Singh (1730828) ECE 3rd Sem 8.58 SGPA

Tushar (1730837) ECE 3rd Sem 8.0 SGPA

Sunidhi Srivastava (1730940) ECE 5th 8.89 SGPA

Anjali (1632654) ECE 5th 8.89 SGPA

Harwinder Singh (1632658) ECE 5th 8.52 SGPA

Aakriti Srivastava (1730925) ECE 5th 8.19 SGPA

Extra-curricular Activities

Gurveer Singh: 2nd Position in Lan Gaming in Symphonic 2019

Aakriti Srivastava: 1st in 3 leg race & 2nd in Table Tennis in Annual Sports meet-2019

Anjali: 2nd in 100m race, Lemon race & Long Jump; 3rd in Needle pin; 3rd in Electro captious (Tech-Fest)

Simran Kaler: 2nd in Lemon race, 3rd in 3 leg race;

Ekjot Singh: 2nd in Presentation (Tech Fest); 3rd in 3 Leg race in Annual Sports Meet 2019

1st in Electro Captious; 3rd in Technojam (TechFest); 2nd in Learn From Google event

1st in Chess in Annual Sports meet-2019 3rd in Learn From Google event

Simranjit: 3rd in 3 leg race in Annual Sports Meet 2019

Tushar: 1st in Presentation (Tech Fest); 3rd in 3 Leg race in Annual Sports Meet 2019

Simardeep:3rd in 3 leg race in Annual Sports Meet 2019

STUDENT ARTICLES

WIRELESS CHARGING

By Aakriti Srivastava
B.Tech ECE 6th Sem

Wireless charging is the vibrant topic of the year .The trend of wireless charging is increasing in market and share of wireless charging in selling market is increasing. Thus in curious mind of engineers like us the question comes that how actually does all this happens.

So here is the answer. The wireless charging concept was first introduced by Nikola Tesla in late 19th century with his demonstration of magnetic resonant coupling. This theory describes the ability to transmit electricity through the air by creating a magnetic field between two circuits a transmitter and receiver. This was a concept which didn't come into practical situation for more than 100 years. Now the concept has come into practical existence too which is based on inductive power transfer (IPT).

The charging process is divided into two circuits:

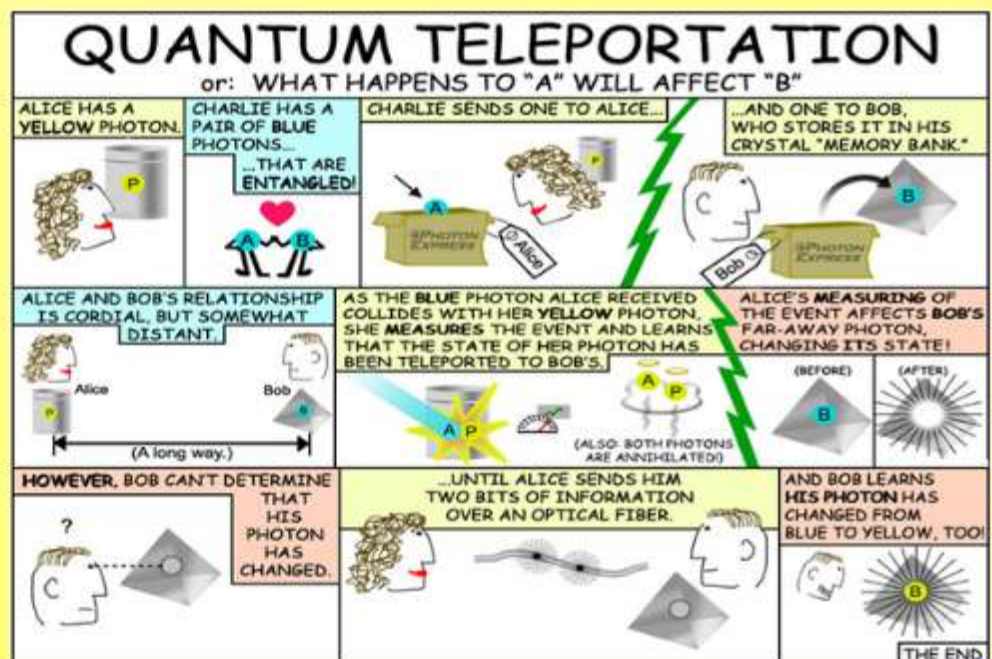1) Transmitter circuit   2) Receiver circuit

The purpose of transmitter circuit is to transfer the received voltage into high frequency AC . This high frequency is sent to coil (loop antenna) which radiates the power into free air. Now here comes is the role of receiver circuit antenna coil which gets energy due to IPT and let the receiver circuit to charge.

WiTricity is the poineer wireless charger technology developer.

QUANTUM COMMUNICATION
(FUTURE OF COMMUNICATION)

Gurveer Singh
B.Tech ECE 6th Sem

Recently the researchers of China declare that they send a Photon to the space without any physical medium to a satellite that is 500 km far from Earth. That will happen with Quantum teleportation and thus using the technology for totally hack proof communication and for space communication faster than the speed of light like one can send message from Earth to Mars without any physical channel and without any delay securely.

QUANTUM TELEPORTATION
or: WHAT HAPPENS TO "A" WILL AFFECT "B"

AUGMENTED REALITY VS VIRTUAL REALITY

Jasmeen Kaur
AP,ECE Deptt.

Augmented reality (AR) is an enhanced version of reality created by the use of technology to add some digital information on an image. Or else we can say that AR is a live direct or indirect view of a physical, real-world environment whose elements are augmented by computer-generated perceptual information.

Virtual reality (VR) is a completely computer-generated scenario that simulates a realistic experience. In simple words, it is an artificial, computer generated simulation/recreation of a real-life environment. VR generates realistic images and sounds that put you in the middle of a spectacular imaginary world. AR adds virtual stuff to the real world environment.

AUGMENTED REALITY VS VIRTUAL REALITY

Augmented Reality (AR)	Virtual Reality (VR)
AR is a combination of real and virtual worlds	VR creates entire virtual world
It lets people interact with both real and virtual worlds and distinguish between the two	It's hard to differentiate between what is real and what is not
Generally, it is experienced by using a smartphone, laptop or tablet	This is experienced by wearing VR headsets (mounted or handheld-controlled)
The purpose of AR is to enhance experience by adding virtual components such as digital images and graphics as a new layer of interaction with the real world	The purpose of VR is to create its own reality that is completely computer-generated
Users remain in the real world	Users are transported into a new world
It adds relevant information to the existing real world view	It incorporates heavy graphics to create a virtual environment
It is mostly used for demonstrations, interior designing and mapping	It is used in games, medicine, military, etc
Users maintain a sense of presence in the real world	Senses of users are under the control of the system
Users can move, rotate, scale and manipulate 3D objects in real world	Users can move, rotate and scale 3D objects in virtual world
Users are present at the location of experience	Users are not at the location of the experience
Users can physically move in the environment	Users cannot physically move in the environment

DEPT. OF MECHANICAL ENGG.

ONE DAY WORKSHOP

One day Workshop on OEE (Overall Equipment Effectiveness) was organized by Mechanical Engineering to develop employable and result oriented, skilled candidates by conducting activity based on interactive training and workshop

MOCK INTERVIEW

Aim of this session is to nourish and to aware the students regarding actual practical situations occurs during interviews under various placement drives and experts were called up from CIHT (Central Institute of Hand Tool), Jalandhar.

QUIZ COMPETITION

To enhance Technical knowledge and knowledge of General studies, Department of Mechanical Engineering organized a Quiz competition on 08/02/2019.

INDUSTRIAL VISITS

To bridge-up gap between theoretical and practical knowledge Department of Mechanical Engineering organized an industrial trip to SANT Valves Located in Jalandhar on 16-02-2019, wherefrom students got the knowledge about various manufacturing processes.

APTITUDE WORKSHOP

To develop the competitive skills in the students,a one-day workshop was organized on Quantitative Aptitude whose resource person was Mr. Wadhwa on 06 March, 2019.

GUEST TALK

An Expert Talk was organized on 08th March'2019. In this session students got the deep knowledge about the basic manufacturing processes, advanced manufacturing processes, positive and negative effects of lubrication and also how to minimize the quantity of lubrication.

Academic achievements of LKCE students

S.NO.	Name of students	University merit position secured	Department
1	Ayush Yadav	9.1	M.E 8th
2	Ranjit singh	9.06	M.E 6th
3	Sourav	8.94	M.E 6th
4	Amarjit singh	8.83	M.E 4th
5	Gurpreet singh	8.83	M.E 4th

Training and placement Activities during the session Jan-June2019

SR. NO	Department	NAME	PLACED INDUSTRY	Date of visit/placement drive	Annual package	No of student placed
1	M.E	JAGJOT SINGH	SUKHJIT STARCH, PHAGWARA	12-03-2019	264000/-	1
2	M.E	DIVYANSH KAUSHAL	GNA GEARS	15-03-2019	216000/-	4
3	M.E	PRABHJOT SINGH	GNA GEARS & SV FOOT WEAR	15-03-2019 & 13-03-2019	216000/-	
4	M.E	RAHUL KUMAR	GNA GEARS	15-03-2019	216000/-	
5	M.E	SARBJEET	GNA GEARS	15-03-2019	216000/-	
6	M.E	Ayush Yadav	SV FOOTWEARS	13-03-2019	180000/-	10
7	M.E	Daljit Singh	SV FOOTWEARS	13-03-2019	180000/-	
8	M.E	Devinderpal Singh	SV FOOTWEARS	13-03-2019	180000/-	
9	M.E	Gurpreet Singh	SV FOOTWEARS	13-03-2019	180000/-	
10	M.E	Happy Kumar	SV FOOTWEARS	13-03-2019	180000/-	
11	M.E	Lalit Kumar	SV FOOTWEARS	13-03-2019	180000/-	
12	M.E	Pankaj Kumar Chaudhary	SV FOOTWEARS	13-03-2019	180000/-	
13	M.E	Parampreet	SV FOOTWEARS	13-03-2019	180000/-	
14	M.E	Vijinder Kumar	SV FOOTWEARS	13-03-2019	180000/-	
15	M.E	Shivam	KROME DISPENSE	13-04-2019	144000/-	5
16	M.E	Jatin Duggal	KROME DISPENSE	13-04-2019	144000/-	
17	M.E	Harpreet Singh Gill	KROME DISPENSE	13-04-2019	144000/	
18	M.E	Shubham Singh	KROME DISPENSE	13-04-2019	144000/	
19	M.E	Arun Kumar	KROME DISPENSE	13-04-2019	144000/-	

TRAINING & PLACEMENT ACTIVITIES

Internship/Placement drive was organized from 11th March 2019 to 18th March 2019 by Training & Placement dept. headed by Mr. Arun Dutta, Deputy Director(T & P)

Date of Visit	Name of the Company
11 Mar,19	Solitaire Infosys
12 Mar,19	Eureka Electrosoft
13 Mar,19	PROMATICS
14 Mar,19	Impinge Solutions
15 Mar,19	SachTech Solutions
18 Mar, 19	Zapbuild Technology
19 Mar, 19	SEBIZ NETSMARTZ

No. of students selected for placements/ internships of

◈ **CSE -42**

◈ **ME- 19**