

Information brochure

About

Fund for Improvement of S&T Infrastructure (FIST)



at



LYALLPUR KHALSA COLLEGE
Jalandhar (Punjab) INDIA

About the College

Lyallpur Khalsa College, Jalandhar, the premier historical educational institution of Northern India, is ranked among the top institutions of country. The genesis of this great institution dedicated to selfless-service of humanity dates back to 1908, when it was established first as Khalsa School at Lyallpur (now known as Faisalabad in Pakistan) and later developed into a college in 1926. After its reestablishment in Jalandhar in 1948 following the partition of the country, the college has established itself as a leader in the field of higher education. Currently, it is imparting quality education to more than 7000 students including over 2800 girls.

Synthesizing the best of traditional values with the best of modern knowledge, the college, during decades of its existence, has produced a large number of distinguished alumni who have made the country proud. The list includes the movie and theater icon late Sh. Prithviraj Kapoor, S. Buta Singh, former Home Minister of India, Late S. Balbir Singh, Ex-Member Rajya Sabha and Lok Sabha, S. Iqbal Singh Governor Pudducherry, S. Barjinder Singh Hamdard, Chief Editor Daily Ajit Group of Newspapers, Dr. J.S. Puar, Former Vice Chancellor of Punjabi University, Dr. S.P. Singh, Former Vice Chancellor Guru Nanak Dev University, late S. Bharpur Singh former Chairman P.S.Ed.B., former Hockey Captains Padamshree S. Ajitpal Singh and Padamshree Pargat Singh, famous folk singers S. Malkit Singh and S. Sarabjit Singh Cheema etc.

The college has research oriented world class infrastructure for offering over 40 high level educational programmes at graduate, postgraduate, diploma and certificate level in the streams of Humanities, Commerce, Computer Science and Information Technology, Science and Physiotherapy, which makes it the first choice of students in professional, vocational as well as traditional courses. The College is the only institution in the University to offer two ultra modern vocational courses - B.Voc. (Printing Technology) and B.Voc. (Software System). These two courses have been awarded by the UGC under Vocational Courses Scheme with a financial Assistance of Rs. 1.85 Crore and each of these job

oriented courses is of graduation degree level and of three year duration with 10+2 as eligibility.

To facilitate research, the college runs four research centers - Centre of Historical Studies, Centre for Guru Granth Sahib Studies, Punjab Centre for Migration Studies and Sardar Balbir Singh Centre for Science. These centres hold seminars, symposia, and publish monographs based on genuine research. The college has signed an MoU with National College of Ireland to provide international exposure and world class globally competent education to its faculty and students.

The College has a wide campus of 28 acres with lush green lawns, well-equipped computerized office and library, internet cyber centre and two dedicated leased lines for internet access. It has 107 class rooms and 26 well-equipped science laboratories and instrument rooms. There are separate blocks for each faculty with sufficient number of classrooms, galleries and faculty rooms with internet facility. There are separate hostels for boys and girls built on modern lines.

The College has a fully computerized two storey central library in addition to departmental libraries maintained by different faculties. The spacious library houses over 90000 books including a good collection of rare study material, national, international journals and biographies in Punjabi, English, Hindi and Urdu. It has collaboration with DELNET (Developing Library Network) through which it is connected to 2073 libraries in India and 21 overseas libraries overseas. The library also subscribes to INFLIBNET whereby more than 2100 e-journals, 51,000 e books and a bibliographic database MathSciNet containing more than two million reviews of research articles in Mathematics are made available to faculty members through N-LIST programme. The library is arranged according to DDC 22nd latest edition, and provides open shelf system with Bar Coding facility. The library provides low-cost Internet and reprography services to the users.

The Placement cell of the college has earned respect among the recruiting agencies as well as student community through its professionalism and dedication to recruitment, employment and

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training of the students and by putting them on the pathway to exciting global employment opportunities or further studies. Many firms of international eminence visit the college and arrange for professional industrial trainings in C-DAC, PUNCOM, Spice, and SCL for the college students.

The Youth Welfare Department too works with a student focused approach to ensure for all the students a supportive, individualized and innovative learning experience. The NSS and the NCC wings of the College organize formal extension programmes. A wide range of activities are undertaken ranging from helping victims of the natural calamities to tree plantation and cleanliness drives in villages, from blood donation and pulse polio immunization camps to programmes in social awareness. The department of Physiotherapy runs an OPD where patients of nuero-muscular disorders such as cerebral palsy are offered treatment at nominal charges. The department also organizes health and fitness camps for

neighbourhood community, from time to time.

The name of Lyallpur Khalsa College has become synonymous with excellence in sports. The world class infrastructure with well-maintained playgrounds, quality training and coaching, well equipped conditioning hall for fitness purposes and a host of facilities including scholarship, special incentives and free hostel and mess facility, provide the budding sportspersons of the college an ideal platform for university, state and national level competitions. To promote Hockey in the region, the college has signed an MOU with Hockey Academy of Punjab & Sind Bank. Separate new block for sportsmen has been constructed in the boys' hostel. The College has created history by winning the Teja Singh Samundari Overall Sports Championship Trophy of Guru Nanak Dev University with record points for 12 times, out of which 11 times it has been won consecutively. The College is also the winner of the Overall Cultural Trophy (2014) of Guru Nanak Dev University.

Information about research facilities

1. Central instrumentation lab: in the area of biological, chemical and physical sciences, detailed characterization and in-depth analysis of samples is pre-requisite. In this regard, This lab contains state-of art equipment's dedicated to in-depth analysis of samples dealing with biology, chemistry and physics. The major equipment's are as under:

A. Fluroscence spectrophotometer

B. FT-IR

C. Force tensiometer

D. Electrochemical workstation

E. UV-VIS spectrophotometer

F. GC-FID

2. Computational lab: R & D Computational Lab equipped with 10 latest configuration Computer Systems with structured networking, Uninterrupted Power Supply and Network Printer. This lab is specially designed for data analytics, computation and for hypothesis testing using IBM SPSS. NetSim Simulator Software is also installed in this lab for Protocol Modeling and Simulation, Network R & D applications. Faculty members of the college/outside the college, research scholars and PG students can avail this facility with the permission of the authority for carrying out their research work.

3. Outreach facilities: Under DST-FIST Govt. of India, LKC has established two main facilities as cited above. These facilities are created for sample analysis for various stake holder like pharmaceutical industries, food based industries and other academic institutions. For sample analysis and other services please contact person as indicated in further information section.



**UV-VIS Spectrophotometer
(Model Lambda 365 PERKIN ELMER SINGAPORE)**



**FLUORESCENCE SPECTROPHOTOMETER
(Model LS 6500 PERKIN ELMER SINGAPORE)**



**A.FOURIER TRANSFORM INFRARED SPECTROMETER
(Model SPECTRUM 2 PERKIN ELMER SINGAPORE)**



A.ELECTROCHEMICAL WORK STATION
(Model AUTOLAB 204 METROHM AUTOLAB B.V NETHERLANDS)



A.FORCE TENSIOMETER
(Model K 20 KRUSS GmbH, GERMANY)



GC-FID (Model: GC-2045, Chemtron)

R & D computational lab



CHIEF PATRON

Sardarni Balbir Kaur
President, Governing Council,
and Managing Committee
Lyallpur Khalsa College, Jalandhar

PATRON

Gurpinder Singh Samra
Principal,
Lyallpur Khalsa College, Jalandhar

For any further information:

For Instrumentation Lab

Dr. ArunDev Sharma, Dean Research (8558885524)

Dr. Narveer Singh, Coordinator (9815385058)

Dr. Bhupinderpal Singh, Coordinator (9501006081)

For Computational Lab

Dr. Manohar Singh, Coordinator: (98150-94585)

Information about charges (Rs) of DST-FIST equipment lab

Type of service	Charges for other academic institutes/ industries/R & D Labs			In charge
	Educational institutions	Industries	R & D Labs	
Fluorescence spectrophotometer	200/ spectra	400/ spectra	600/ spectra	Dr Narveer Singh Dr Bhupinderpal singh Dr Arun Dev Sharma
FT-IR	100/ spectra	200/ spectra	300/ spectra	Dr Bhupinderpal singh Dr Narveer Singh
Force tensiometer	100/ sample	200/ sample	300/ sample	Dr Bhupinderpal Singh Dr Harjinder Kaur
Electrochemical workstation (Cyclic voltameter)	200/ sample	400/ sample	500/ sample	Dr Navjot Kaur Dr Harjinder Kaur
UV-VIS spectrophotometer	100/ sample	200/ sample	200/ sample	Dr Geetanjli Dr Arun Dev Sharma
GC-FID	1000/ sample	1200/ sample	1500/ sample	Dr Arun Dev Sharma Dr Inderjeet Kaur
Centrifuge	-	-	-	Dr Gupreet Singh

Payment can be made in cash at fee counter or by online transfer

Account details: 07141000006087,
PUNJAB AND SIND BANK, DEFENCE COLONY, JALANDHAR, PUNJAB, INDIA
IFSC CODE: PSIB0000714,

Principal

Dr GS Samra

18/09/21