PROSPECTUS 2017







Premier SGPC Institutes

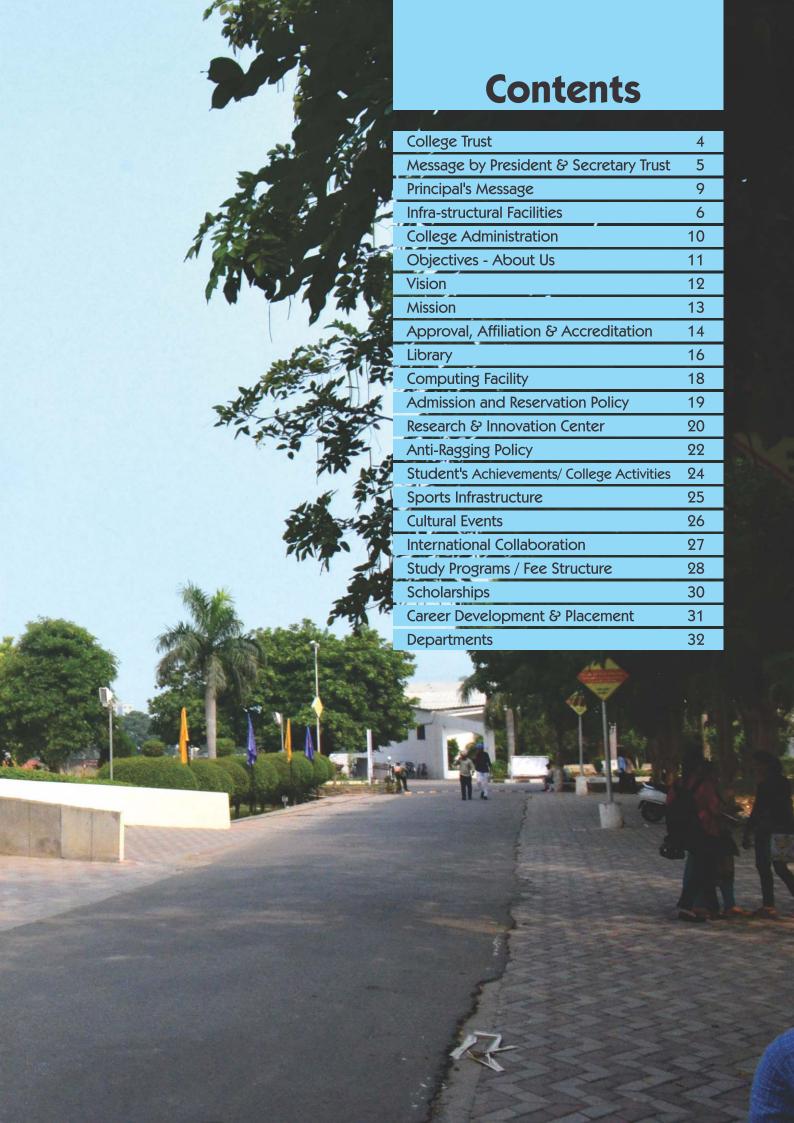
BABA BANDA SINGH BAHADUR Engineering College

Baba Banda Singh Bahadur

(1670 – 1716)



With the grace of Guru Gobind Singh Ji, Madho Dass, a Bairagi Saint was transformed into a great warrior known as Baba Banda Singh Bahadur. The Guru assigned him the holy task of punishing the tyrant rulers of Punjab and bestowed him with five arrows from his own quiver. Under the leadership of this awe inspiring & dynamic personality, the downtrodden and deprived people of Punjab defeated the despotic rulers and rose to power. This opened flood gates of prosperity for the people of Punjab and changed the destiny of India.



COLLEGE TRUST



S. Balwinder Singh Bhundar Member of Parliament



S. Surjit Singh Rakhra Former Cabinet Minister, Punjab



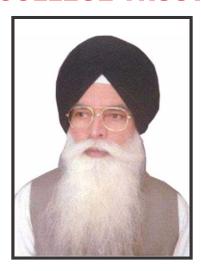
Prof. Prem Singh Chandumajra Member of Parliament



S. Karnail Singh Panjoli, Member, SGPC



S. Prem Singh Advocate, Chairman – The Daily Ajit and Ajit Samachar



Prof. Kirpal Singh Badungar President, SGPC & Trust



Jathedar Tota Singh Former Cabinet Minister, Punjab



S. Maheshinder Singh Grewal Former Advisor to the CM, Punjab



S. Amarjit Singh Dullat Chief Engineer (Retd)



S. Avtar Singh Ria Member SGPC



S. Ravinder Singh Khalsa Member SGPC



Dr. Paramjit Singh Saroa Addl. Secretary SGPC

Message

President's Message

To support the cause of technical education in the state of Punjab, the SGPC – a religious body, known as the mini parliament of the Sikh community, established its 2nd Engineering College at Fatehgarh Sahib in the year 1993 in the name of Baba Banda Singh Bahadur - the great warrior, who laid to rest the tyranny of the Mughals uprooting their empire. The institute is being run by Baba Banda Singh Bahadur Education Trust, Fatehgarh Sahib under the patronage of the SGPC. In a period of around 24 years the college has fully developed into a well-known engineering institute and now it is considered as one of the leading institutes in the country for imparting high quality technical education and providing top class amenities & facilities. It has the honour of being the first institute affiliated with PTU to get its courses accredited by the NBA - the hallmark of quality education, infrastructure, facilities, amenities etc. The college has state-of-the-art infrastructure highly qualified, experienced and dedicated faculty. It is the first college in PTU to start B.Tech. Agriculture Engineering.

To cater to the need of diploma-level technical education in the area, Baba Banda Singh Bahadur Polytechnic College was set up at Fatehgarh Sahib in 2006. The college provides modern infrastructural and technological support to facilitate teaching, learning and overall development of students. The college education system looks beyond employment and concentrates on individual development by imparting them skills for life time relevance. Academic excellence and holistic education define learning at the college. Within a period of 10 years, it has become one of the most sought-after institutes for admission.

Considering the need and demand of the area, Baba Banda Singh Armed Forces Preparatory Academy was established at Fatehgarh Sahib in April 2016 for training the selected young boys and girls from Punjab for permanent commission into the armed forces through the National Defence Academy. From 2017 session, a graduate plus integrated course is commencing for girls preparing them for Women Entry Scheme into Defence Forces as Officers through SSCW (NT) scheme.

The students joining these prestigious institutions would get quality education & training with topclass facilities & amenities and, I am sure, they would become good citizens and contribute to the welfare of humanity.



Prof. Kirpal Singh Badungar President, SGPC & Trust

Secretary's Message

We have witnessed phenomenal growth in technical education in the country, in recent times. This has been possible mainly by the private sector institutions off-loading the government expenses and contributing immensely to the growth of technical education at diploma, under-graduate and post-graduate level. The massive turnout from these institutions provided the much needed professional manpower to boost the economy. Baba Banda Singh Bahadur Engineering College and Baba Banda Singh Bahadur Polytechnic College, known as top-class Sikh minority institutes, came into existence in the year 1993 and 2006 respectively at Fatehgarh Sahib, the most precious and sacred land in the world, where the younger Sahibzadas of Guru Gobind Singh ji - Baba Zorawar Singh ji and Baba Fateh Singh ji were bricked in alive. The main objective of establishing these institutes, under BBSB Education Trust, by the SGPC was to uplift the regional students, who were deprived of engineering education opportunities as compared to their counterparts in other states. The college campus exhibits professional environment prevailing among the students and the faculty. The labs, equipped with the latest set-ups of international repute, reflect our professional commitment to the industry. You will be amazed to see how beautifully the institution has created the facilities for the students - every aspect has been taken care of as far as the all-round development of the students is concerned.

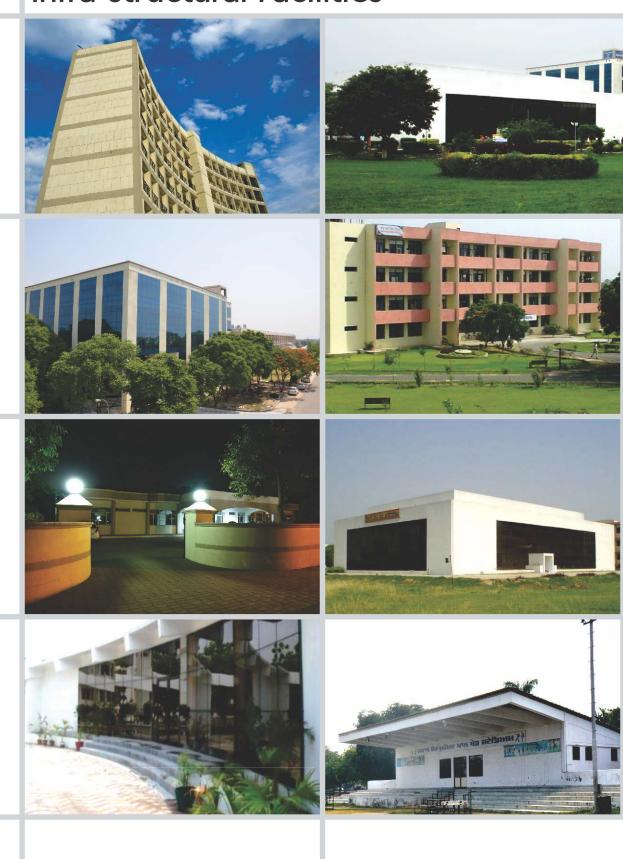
To provide guidance, motivation and training along with formal education to the youth to join armed forces, where the strength of Sikh Officers has drastically reduced, BBSB Armed Forces Preparatory Academy was started in April 2016 at Fatehgarh Sahib. The Academy conducts two integrated courses - NDA with 10+2 for male students and WES with Graduation for female students. To achieve the aim of the Academy, a team of experienced & expert faculty and trainers along with a team of advisors from Armed Forces, has been appointed.

I wish all the students achieve excellence in their respective areas and bring name & fame to their Alma mater.



Dr. Paramjit Singh Saroa Secretary, Trust

Infra-structural Facilities

















Welcome to BBSBEC

Baba Banda Singh Bahadur Engineering College, Fatehgarh Sahib, was established in the year 1993, by Baba Banda Singh Bahadur Education Trust formed under the patronage of Shriomani Gurudwara Prabandhak Committee, Sri Amritsar, with the approval of the Govt. of Punjab. The college was a dream project of Panth Ratan S. Gurcharan Singh Tohra, who was President of SGPC at that time. There was paucity of quality institutions of higher education in the region, and students especially from rural backgrounds found it difficult to attain higher education in the region. Hence a need was felt to have an institute of excellence, in this region which will cater especially to the rural strata of the society and provide them equal chance of acquiring quality higher education without moving far from their homes.

The college is approved by the A.I.C.T.E, New Delhi, Ministry of H.R.D, Govt. of India and is affiliated to Maharaja Ranjit Singh Punjab Technical University, Bathinda. The college has earned accreditation from the NBA (AICTE) and International Accreditation Organization (IAO) for various programmes.





Principal's Message

Currently, globalization is rapidly increasing, bringing with it expanded personal mobility; access to knowledge across borders; and in such scenario, the importance of education has become manifold. The twenty first century undoubtedly belongs to the men and women of strength and excellence in professional fields. Undoubtedly basis of democracy is freedom of individual development. Spirit of free enquiry ensures intellectual progress. The pursuit & practice of truth regardless of consequences should be only ambition of institutions of higher education. Education is a powerful tool for peaceful social transformation, overall development and prosperity of any Nation. It should be free from shackles of ignorance, prejudice and unfounded belief. Education is an important index of human development. Higher Education is indeed a vital tool for intellectual, cultural, aesthetic development and a means for achieving wider social aspirations.

Baba Banda Singh Bahadur Engineering College is a premier institution of higher education. We endeavour to nurture our biggest asset; our students as holistic global citizens driven by human values and wisely equipped to excel at global level. We focus on each student, to bring out their full potential and empower them with a 'Winning Attitude'. The college is going through great transformation process and is aspiring to touch greater heights through our staff and dear students. It will be our goal to create programs which match the interests and needs of the Industry and our graduates; to maintain and build upon the positive relationships e.g. Language skills, Personality development, on campus Industrial training, greater interaction with parents through Mentor system and PTA, continuous up-gradation of Labs etc. Our Campus is well equipped and aesthetically laid out to assist students in become an important part of the society. They are trained to identify challenges, convert those into opportunities and apply their technical and human skills to excel.

Maj. Gen. (Dr) G.S. Lamba, VSM (Retd)
Principal

COLLEGE ADMINISTRATION

Maj. Gen. (Dr) G.S. Lamba, VSM (Retd)

Principal

Dr. Lakhwinder Singh

Dr. A.P.S. Sethi

Dr. Virinder Singh

Dr. Amritbir Singh

Dr. Hardeep Singh Ryait

Dean Academics

Dean Student Affairs

Chief Security Officer

Dean Examination

Dean R&D

Dr. J.S. Oberoi

Dr. H.S. Bhatti

Dr. Lakhvir Singh

Prof. R.S. Uppal

Prof. Jasbir Singh Ratol

Prof. B.S. Bhullar

Prof. N.P. Singh Deo

Dr. Gursewak Singh Brar

Dr. Baljit Singh

Dr. Niraj Bala

Dr. Manpreet Kaur

Head, Training & Placement Cell

Head, Applied Sciences Deptt.

Head, Mechanical & Indl. Engg. Deptt.

Head, Electronics & Comm. Engg. Deptt.

Workshop Superintendent

Head, Management Studies

Head, Civil Engg. Deptt.

Head, Electrical Engg. Deptt.

Head, Computer Sc. & Engg./IT Deptt.

Head, Research & innovation Centre

Coordinator, Alumni Cell

Er. Manpreet Singh

S. Ram Singh

Ms. Sukhwinder Kaur

Prof. J.S. Raina

S. Amarjit Singh Sethi

S. Balkar Singh

S. Sukhjit Singh

Executive Engineer

Dy. Controller of Examination

Librarian

Director Physical Education

Superintendent Establishment

Superintendent Accounts

Superintendent Academics





OBJECTIVES

- To serve as a model of education in technology by innovative teaching methods.
- To keep industry orientation in the curricula to meet the R& D challenges of the 21st century.
- To make the students aware of the environmental and energy conservation concerns of the planet.
- To maximize the students' potential by expanding the awareness of the educational career opportunities.
- To cultivate entrepreneurship spirit in the students.
- To inculcate human values & scientific temper with the ultimate objective of moulding the youth to work for the betterment of mankind.



- A Premier SGPC Technical institute, one of the renowned institutes in North India.
- Established by BBSB Education Trust, under the patronage of the SGPC, in 1993.
- Approved by the AICTE and affiliated to MRSSTU, Bathinda.
- One of the leading institutions in Engineering
 Technology the most sought-after for admission.
- Seven B.Tech., six M.Tech. and MBA courses.
- Accreditation Twice by the NBA, by Institution of Engineers (India), and IAO for five years.
- Huge Green & Clean Campus spread over 90 acres with international standard facilities
- State-of-the-art Labs in all the Departments.





Baba Banda Singh Bahadur Engineering College seeks to enrich the academic experience of students to help them meet the evolving needs of society. We aspire to realize our Vision as follows:

- Conduct UG programs that integrate global awareness, comm. skills and team building across the curriculum.
- Run Graduate education programs to prepare students for interdisciplinary engineering research and advanced problem solving with focus on career advancement.
- Provide an atmosphere that facilitates personal commitment of students to the educational success.
- Provide Leadership and service to meet society's needs
- Provide state-of-the-art facilities and effective delivery of high quality content by qualified faculty members and build the notion of lifelong learning
- Conduct scholarly activities that create & transfer cutting-edge knowledge in the area of engg. & technology
- Inculcate a high regard for ethical principles and an understanding of human and environmental realities
- Create a highly successful alumni base that contributes to the global society.

Approval | Affiliation | Accreditation



- Affiliated to MRS Punjab Technical University, Bathinda
- Approved by All India Council for Technical Education, New Delhi
- Courses Accredited twice by the National Board of Accreditation, New Delhi
- Courses Accredited by the Institute of Engineer (India), New Delhi









Admission and Reservation Policy

ADMISSION POLICY FOR B.TECH. PROGRAMMES

- Admission will be based on the JEE merit.
- 2/3rd seats are filled through central counseling by the university, 1/3rd by Management on merit.
- Apart from other State Govt. reservations, the College has reservation for rural and Sikh minority candidates.
- The details of statutory reservations are given in MRSPTU Information Brochure.
- The candidates need to stake claim of the reservation while registering for admission at the university portal.
- If no registration is claimed, the candidate is treated as a "General Category Candidate".

A) RURAL RESERVATION

All the seats (except seats offered to other states candidates) are for bonafide residents of Punjab. They are required to produce a 'Punjab Residence' Certificate. However, 70% of the Punjab State Quota seats are to be filled from the rural area.

A candidate may avail the benefit of rural reservation if he/she satisfies the following conditions:

- His/her parents are permanently residing in the rural area as defined above.
- ii) He/she has studied for a minimum period of 5 years from a recognized/affiliated school located in rural area.
- iii) He/she has passed 5th/8th/10th or 10+2 from a school/college located in rural area.

Sons/Daughters of defence personnel/Ex-Defence personnel residing permanently in rural area are exempted from clause (ii) & (iii).

The following additional certificates/attested copies should be submitted along with the application form by the candidates who wish to seek admission under the Rural Reservation. The formats of the same are given in the MRSPTU Information Brochure.

NOTE: Unfilled seats, if any, shall be converted to General Category.

B) 50% SIKH MINORITY QUOTA – SIKH RELIGION EXAM ON 14.5.17

For admission under this quota the candidates must qualify the Sikh Religion Examination (SRE), conducted by the SGPC. Admission will however be made on the basis of JEE merit. Further details are available at sre@bbsbec.ac.in.

C) MANAGEMENT QUOTA

The Government of Punjab, has declared a "Management Quota" to the tune of one third of the total seats. Moreover, out of the "Management Quota" a maximum of 5% of the total sanctioned seats shall be filled from amongst Non-Residing Indian (NRI) / Persons of Indian Origin (PIO) / Foreign National Students and other related categories, in accordance with the procedure stipulated in the PTU Information Brochure.

The Management shall fill these seats purely on merit in accordance with the following order of preference:

- I) Merit in JEE/State Government/University Notification
- ii) Marks secured in the qualifying examination, i.e., 10+2 Non-Medical

An advertisement will be published in leading newspapers (National & Regional) regarding the schedule of counseling.

ADMISSION FOR FEE WAIVER SCHEME (FWS)

5% seats over and above the sanctioned intake in each branch are allocated as per Punjab Govt. notification in B.Tech first year under the Tuition Fee Waiver Scheme. The eligibility criteria is the same as notified for other categories. The Waiver shall be limited to the tuition fee as prescribed by MRSPTU. All other fee except tuition fees will have to be paid by the beneficiary. The students should refer to the notification issued by MRSPTU for detailed schedule and eligibility criteria for admission under this scheme.

ADMISSION FOR LATERAL ENTRY IN B.TECH. PROGRAMME

20% seats of the total intake of a branch of engineering are available for admission in Lateral Entry scheme in B.Tech. 3rd semester directly. The seats available under the scheme are:

Branch	Total Seats
Civil Engineering	24
Computer Science & Engineering	36
Electrical Engineering	24
Electronics & Communication Engg.	24
Information Technology	18
Mechanical Engineering	36
Agriculture Engineering	12

ADMISSION POLICY FOR M.TECH. PROGRAMMES

All those candidates who have passed B.Tech. with atleast 50% (45% in case of candidate belonging to reserved category) in aggregate shall be eligible. The preference shall be given to GATE qualified candidates. The basic educational qualifications for admission to the branches available at the college are mentioned below.

From the Academic Session 2012-13, 85% seats are for candidates belonging to the Punjab State and 15% are open to candidates from outside the State. The reservation policy of Government of Punjab, including the admission under the Foreign Nationals/Persons of Indian Origin/Kashmiri Migrants, shall be followed for admission to the M.Tech. programme. The candidates are advised to stake claim of the reservation at the time of registering for admission at MRSPTU. If no reservation is claimed at the time of registration, the candidate shall be treated and considered as a "General Category Candidate".

Course	Eligibility
CAD/CAM	B.E./B.Tech. in Mechanical/Industrial/Production/Manufacturing/Welding/Material Science/Metallurgy Engg
CSE	B.E./B.Tech Computer Science & Engineering/Information Technology
CSE (Cyber Security)	B.E./B.Tech. Computer Science & Engineering/Information Technology/ Electronics & Communication Engineering/ Electronics & Instrumentation Engineering
ECE	B.E./B.Tech. Electronics & Communication / Electronics & Instrumentation / Applied Electronics/ Instrumentation & Control/ Electrical & Electronics Engineering/M.Sc. (Physics) (with specialization in Electronics)
Instrumentation &	B.E./B.Tech. Electronics & Communication / Electronics & Instrumentation / Applied Electronics/
Control Engg.	Instrumentation & Control/Electrical & Electronics Engineering/ M.Sc. (Physics) (with specialization in Electronics)
Power System	B.E./B.Tech in Electrical Engineering/Electrical & Electronics Engineering/Electrical and Instrumentation Engineering/Electrical and Power
	Engineering/Electrical Devices and Power Systems/Electrical Engineering Industrial Control/Electrical Instrumentation and Control
	Engineering, Electrical Power System/Instrumentation/ Instrumentation Engineering/ Instrumentations & Control Engineering/Electronics
	& Instrumentation Engineering/Applied Electronics Engineering/Applied Electronics and Instrumentation Engg.

Research & Innovation Center



ONGOING RESEARCH PROJECTS

The competence and capability of BBSBEC faculty has fetched a research grant of more than **Rupees 10 million** in the recent years from various govt. regulatory and funding agencies. The current ongoing research projects are:

Scheme	Funding Agend	cy Name of the coordinator	Amt Sanctioned
A research project entitled "Development of Thermal Spray Coatings to Control Wear during High-Temperature Applications- Phase II"	DST	Dr Manpreet Kaur	Rs. 31,84,500/-
Research Promotion Scheme (RPS)	AICTE	Dr Niraj Bala/Er. Amandeep Singh	Rs. 21,90,000/-
Fast Track Scheme for Young Scientists	DST	Dr Niraj Bala	Rs. 24,85,000/-
Heliostat based Solar Park (Heating and Generation Combined)	DST	Dr HS Ryait/ Prof. RS Uppal	Rs. 9,19,844
SEED/TIDE project – Study and Development of SEMG Based Exoskeleton Knee	DST – SERC	Dr HS Ryait	Rs. 32,00,000/-

Promoting Patenting Process



PATENTS

Invigorating the students has always been the key point in academic culture of Baba Banda Singh Bahadur Engineering College and on these lines the college has an active Incubation Center through which the students and faculty of the college are motivated to bring in innovative ideas for resolution of any practical problem. Three new inventions have been successfully filed for patents by the college students/faculty in the last year under guidance of the faculty members and active support of college management.

Title	Inventor's name	Status
ESCALATOR OVERLOAD PROTECTION SYSTEM	Akul Patel Akul, Amritpal SinghRaikhy, Jaskirat Singh, Prof. Simarpreet Kaur	Patent filed
A NOVEL METHOD TO ENHANCE THE PEAK GAIN AND GAIN BANDWIDTH OF ELLIPTICAL RE-CONFIGURABLE WIDE BAND FRACTAL ANTENNA	Prof. Jaspal Singh Khinda	Patent filed
PROTECTIVE THERMAL SPRAY COATING COMPOSITION FOR AGGRESSIVE HIGH- TEMPERATURE BOILER STEEL	Dr. Niraj Bala	Patent Filed

Anti-Ragging



ANTI-RAGGING POLICY

The college has zero-tolerance policy towards the nuisance of ragging and follows the anti-ragging guidelines issued vide F.No.37-3/Legal/AICTE/2009.

Sub:Prevention and prohibition of Ragging in technical Institutions, Universities including Deemed to be Universities imparting technical education.

F.No.37-3/Legal/AICTE/2009 – In exercise of the powers conferred under Section 23 read with Section 10 (b), (g), (p) and (q) of AICTE Act, 1987, the All India Council for Technical Education, hereby makes the following Regulations:-

1. Short title and commencement:-

(IThese Regulations may be called the All India Council for Technical Education (Prevention and Prohibition of Ragging in Technical Institutions, Universities including Deemed to be Universities imparting technical education) Regulations 2009.

(ii) They shall come into force on the date of the notification.

2. Objectives:-

In view of the directions of the Hon'ble Supreme Court in SLP No. 24295 of 2006 dated 16-05-2007 and in Civil Appeal number 887 of 2009, dated 08-05-2009 to prohibit, prevent and eliminate the scourge of ragging including any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student, or indulging in rowdy or undisciplined activities by any student or students which causes or is likely to cause annoyance, hardship or psychological harm or to raise fear or apprehension thereof in any fresher or any other student or asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student, with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student, in all higher education institutions in the country, and thereby, to provide for the healthy development, physically and psychologically, of all students, the All India Council for Technical Education, (AICTE) brings forth these Regulations.

The details could be found at

http://www.aicte-india.org/anti.php. The college has also formed an Anti-Ragging Squad to keep a check on such issues in campus and also to take strict action against the culprits. The details of the squad are:



Students' Achievements / College Activities



Our All Round Achievers

Sports Infrastructure



Cultural Events



Winners of Youth Festival continuously for four years

International Collaboration

Sheridan college, Ontario Canada MoU and Program INTERNATIONAL PROGRAM IN ENGINEERING & TECHNOLOGY (3-Year and 2-Year Courses)

Sheridan

SHERIDANCOLLEGE.CA





B.Tech (4 Years)

M.Tech(2 Years)

MBA (2 Years)

	Intake
Civil Engineering	120
Computer Science & Engineering	180
Electrical Engineering	120
Electronics & Communication Engineering	120
Information Technology	90
Mechanical Engineering	180
Agriculture Engineering	60
CADICALL	40
CAD/CAM	18
CAD/CAM Computer Science & Engineering	18 18
	. •
Computer Science & Engineering	18
Computer Science & Engineering Computer Science & Engineering (Cyber Security)	18 18
Computer Science & Engineering Computer Science & Engineering (Cyber Security) Electronics & Communication Engineering	18 18 18
Computer Science & Engineering Computer Science & Engineering (Cyber Security) Electronics & Communication Engineering Instrumentation & Control Engineering	18 18 18 18

Fee Structure in INR

Program		1st to 8th Semester				
B. Tech & MBA		45000 Per Semester			5000	
Program	1st SEM	2nd SEM	3rd SEM	4th SEM	Annual Charges	
M. Tech	45000	40000	40000	30000	5000	

SC/ ST/ OBC Category (Wherever the state Govt is giving grant / stipend to eligible students, no Component of university fee is charged. Only misc specific charges are to be paid)

Program	Per Semester	Annual Charges
B. Tech, M.Tech & MBA	3000	5000

Registration charges 1000 (non Refundable)
Security Charges 3000 (Refundable and applicable to General Category only)
Hostel security Charges 2000 (Refundable)

Der cemester		University Counseling fee I Professional uniform (Blazer-Trouser Shirt-Tie) I Workshop protective or coat I Identity Card I Personality Development certificate Training I Industrial Software training	
Regular	9000	weeks industrial training Hill Tracking event Professional club membership Parent teacher association	
AC		fund I Memberships for Swimming Pool, Gymnasium, Lawn tennis I Outdoor playground facilities I 24 hours gated security & Power back <mark>up I Wi-Fi campus connectivity I AC Auditorium Movie Charges I Theatre events I Subscription fee for onl</mark> ine international research journals I Convocation fee.	

PENALTIES: Delay in the payment of any kind of fee will attract a fine of Rs.50/- per day. Individual absence from class without permission will attract a penalty of Rs.10/- per class and Rs.50/- for mass bunk per occasion.

FEE REFUND POLICY: The refund of fee upon surrender of a seat would be made as under:

In the event of a student/candidate withdrawing before the starting of the course, the entire fee collected from the student, after a deduction of the processing fee of Rs.1000/-, would be refunded. Should a student leave after joining the course and if the seat consequently falling vacant has been filled by another candidate by the last date of admission, the fee would be refunded after proportionate deduction of monthly fee and proportionate hostel rent, as applicable.



Scholarships

Scholarship Awarding Agency	Scholarship Name/Nomenclature	Benefits (In Rs.)	Duration
GOVERNMENT SPONSORED SCHOLARSHIPS	Merit Cum Means Scholarship For Minorities (Sikhs, Muslims, Christians, Jains, Budhhists and Parsis) (www.momascholarships.gov.in)	Upto max. of 30,000/- (As per Govt. regulations)	Annually
	Post Matric Schemes For SC/ST (www.punjabscholarships.gov.in)	Tuition fee + allowance, (As per Govt. regulations)	Annually
	Post Matric Schemes For BC/OBC (www.punjabscholarships.gov.in) Special Scholarship Scheme (SSS)	(As per Govt. regulations) 37,250/-	Annually Annually
AICTE	For J-K Students Scholarship For Single Girl Child Scholarship For Differently Abled	30,000/- 30,000/-	Annually Annually
SIKH HUMAN DEVELOPMENT FOUNDATION	Nishkam Sikh Welfare Council Scholarship (www.nishkam.in)	27,000/-	Annually
guru Harkrishan Educational Society, Chandigarh (Regd.)	Scholarship for Needy Students	6,000/-	Annually
	SGPC Scholarship for J&K Girls students only. Top 5 rankers of J&K (Girls)	Full fee exempted	For Full course duration
	Bibi Bhani Ji Scholarship for Sikh Religious Entrance (SRE) merit holders Scholarship Schemes: Top 3 rankers of SRE Next 3 top rankers of SRE	20,000/- 10,000/-	For one academic year only
	Baba Zorawar Singh Ji Baba Fateh Singh Ji Scholarship for Excellence in Sports Category: International Level achiever and medalist National Level achiever and medalist	30,000/- 10,000/-	For one academic year only
	Diwan Todar Mal Ji Scholarship for Excellence in Cultural Events Category: Inter-University level achiever and medalist Inter-Zonal level achiever and medalist	10,000/- 5,000/-	For one academic year only
BABA BANDA SINGH BAHADUR ENGG. COLLEGE SCHOLARSHIPS	Bhai Gurdas ji Scholarship Scheme for Excellence in Academics at University Level: First Position achiever Second Position achiever Third Position achiever	20,000/- 10,000/- 5,000/-	For one academic year only
	Baba Banda Singh Bahadur Scholarship for Excellence in Academics	25,000/-	For one academic year only
	Giani Ditt Singh Scholarship for Excellence in Religious Activities	25,000/-	For one academic year only
	Baba Ajay Singh Scholarship for Excellence in Sports	25,000/-	For one academic year only
	Mata Gujri ji Scholarship for Excellence in Extracurricular Activities	25,000/-	For one academic year only
	Baba Moti Ram Mehra Scholarship for Needy Students (Conditions Apply)	15,000/-	Per semester for fu



CAREER DEVELOPMENT & PLACEMENT

The Training and placement cell maintains strong industrial and corporate relationship. The students are groomed in technical and soft skills during the pre-placement sessions conducted from time to time. The state of the art facilities which include air conditioned auditorium, interview rooms and conference halls facilitate an aurora for the effective functioning of the T & P activities. The students are encouraged and motivated to inculcate cutting edge skills driven to enhance their employability. The students themselves make liaison with the industry/corporate people by attaining professional memberships of ISHRAE, SAE, ISTE &, IEEE.

Our Prestigious Recruiters























































































DEPARTMENT OF APPLIED SCIENCES

The Department is dedicated to furthering the excellence of newcomers in applied sciences and communication skills. It provides the students a strong academic and research base required to pursue career in different engineering streams and qualify as promising innovators. A highly qualified faculty includes doctorates, number of research scholars who keep themselves abreast of the latest advancement in applied sciences. Professional trainers are hired for meeting the demand of rapidly changing and increasingly competitive world. Industrial tours and educational excursions are also organized. It has state of the art:

DEPARTMENTAL LABS

Communication Skills Lab Engg. Physics Lab

Digital Language Lab Numerical Analysis Lab

Engg. Chemistry Lab

STUDENTS' ACHIEVEMENTS

Students in the very first year of their degree exhibit marvelous talent in diverse fields ranging from performing arts like dramas, mimicry, one act plays, mine to oration like debate, declamation, poetry recitation and so on. Several students have added new chapters to the glory of the college by achieving envious positions at national and state level.

FACULTY DEVELOPMENT PROGRAMMES

From time to time various faculty development programmers (FDPs) are designed to train and develop entrepreneurship inter personal skills, communication skills ,problem solving skills, problem solving skills, creativity and inputs on resource and knowledge amongst the faculty so that they may further inculcates these skills in their students.

SUMMER TRAINING

At the end of second semester, six week summer training encapsulated with PDP classes, is provided to the students. It helps them in making informed choices about their future career, and explore and research their career plans. Professional trainers are hired for meeting the demands of rapidly changing and increasingly competitive world. Industrial tours and educational excursions are also a part of this training programme.

FACULTY				
Dr. Harbax Singh Bhatti	Uppal	Sh. Bikramjit Singh	Ms. Seema Kapoor	
Dr. Virinder Singh	Dr. Manish Gogna	Ms. Mohinder Pal Kaur	Ms. Mandeep Kaur	
Dr. Amritbir Singh	Mrs. Pardeep Kaur	Rekhi	Ms. Rajwinder Kaur	
Mrs. Sarbjit Kaur Chatha	Ms. Simranpreet Kaur	Sh. Amarjit Singh	Ms. Shalinder Kaur	
Mrs. Sumeet Kaur	Dr. Amarinder Singh	Ms. Jagmohan Kaur	Ms. Harsharan Kaur	
Mrs. Harpreet Kaur	Ms. Harleen Kaur	Ms. Gurpreet Kaur		



DEPARTMENT OF CIVIL ENGINEERING

Civil engineering is a broad field containing many engineering sub-fields, such as structure designing, transportation engineering, environmental engineering, geo-technical engineering and construction engineering. Civil engineers design and supervise the construction of buildings, highways, railways, airports, tunnels, dams, bridges, as well as fluid transport systems. Established in 2011 with 60 intake, the course is offering 120 seats since 2012-13 session. The objective of the department is to impart high quality education to the undergraduates, enabling them to succeed in positions in civil engineering profession.

DEPARTMENTAL LABS

Solid Mechanics Lab Survey Engg. Lab Soil Mechanics & Geo-Technical Lab Fluid Mechanics Lab Transportation Lab

Dedicated, experienced and stable faculty.

Concrete Technology lab
Structure Analysis Lab
Computer Aided Design Lab (CAD LAB)
Environment Engg Lab
Salient Features of the Department

Separate Wi-Fi enabled new civil engineering department building having more than 50,000 sq. feet area. 9 dedicated civil engineering labs equipped with latest state of the art equipment capable of performing all testing and field work assignments. Computers lab equipped with latest hardware (Dell/HP make workstations/PCs) and industry relevant analysis and design software (STAAD Pro V8i with STAAD Foundation Advance & ANSYS Academic Research CFD). Surveying lab equipped with latest Windows based Total Station with GPS imported from **Trimble**, a USA based company and Electronic Theodolites.

Society of Civil Engineering Students (BRICK)

A society of civil engineering students, namely, BRICK (BBSBEC Royal Icon of Construction Kingdom) is working as a student forum for organizing various competitions viz., quiz, model making, CAD modeling, expert lectures, etc.

About Survey Camps

The department successfully organizes survey camps every year to enhance the knowledge of the students.

FACULTY			
Prof. Narinder Pal Singh	Er. Rakhjinder Singh	Er. Prabhpal Singh	Er. Gagandeep Singh
Er. Guljit Singh	Er. Simranpreet Singh	Er. Taranjeet Kaur	Er. Arshjot Singh
Er. Ishatpreet Kaur	Er. Harkomal Kaur	Er. Karamjot Singh	
Er. Manpreet Kaur	Er. Jagmohan Singh	Er. Harman Preet Kaur	



DEPARTMENT OF COMPUTER SCIENCE & ENGG./ INFORMATION TECHNOLOGY

Established in 1993, the Department offers B.Tech in CSE, IT and M.Tech. in CSE, E-Security. Accredited twice by the NBA in 2004 and 2008. Accredited by the Institution of Engineers (India). State-of-the-art centrally air-conditioned Computer Centre set up with a cost of 100 million rupees. Best computing facilities in the region. Own mail server, web server, storage servers. Highly trained and experienced faculty. Advanced facilities for research & development. Industrial visits to supplement the practical knowledge of the students. Emphasis on conceptual development of the students through seminars and conferences. Very strong alumni base across the globe. Placement of students in reputed multi-national and Indian corporate. Award winning performance of students in reputed national and international project competitions. Student Chapters of reputed professional bodies for all round professional development. Community service by organizing "Social Awareness & Medical Camp".

DEPARTMENT FACILITIES

Web/mail Facilities
Internet Access
Digital Learning
Computing Hardware
Computing Software
Online Course Management System
Network Administration And Website Development

Cell
Wireless Sensor Network Lab
Research & Development Lab
Network Research Lab
Research Publications/
Network And Communication Research Centre
Various Clubs/ Chapters

FACULTY

- Dr. Baljit Singh

 Dr. Kanwalvir Singh Dhindsa

 Er. Harvinder Kaur Grewal

 Er. Amanjot Kaur

 Er. Puneet Mittal

 Er. Preet Kamal Sidhu

 Er. Khayati Marwaha

 Er. Jatinder Singh Saini

 Er. Deepak Aggarwal

 Er. Birinder Singh

 Er. Gurleen Kaur Dhaliwal
 - Er. Sandeep Kaur Dhanda
 Er. Gurleen Sidhu
 Er. Navneet Kaur
 Er. Rupinder Kaur
 Er. Manpreet Kaur
 Er. Gurbahar Singh
 Er. Sukhwinder Sharma
 Er. Gurpreet Kaur
 Er. Rupinder Kaur-II
 Er. Balpreet Kaur
 Er. Jatinder Kaur
- Er. Ravdeep Kaur
 Er. Ramandeep Kaur
 Er. Amandeep Kaur
 Er. Simarjot Kaur
 Er. Preetinder Kaur
 Er. Sandeep Kaur Benipal
 Er. Kamalpreet Kaur
 Er. Ramanjot Kaur
 Er. Simrat Walia
 Er. Gurwinder Singh
 Er. Perminder Kaur
- Er. Ishpreet Singh Virk
 Er. Ravneet Kaur
 Er. Harshdeep Kaur
 Er. Gaurav Sharma
 Er. Amandeep Kaur
 Er. Simrat Kaur
 Er. Preetinder Kaur-II
 Er. Mandeep Kaur
 Er. Sandeep Sandhu
 Er. Atul kumar
 Er. Ramneet Kaur Bhangu



DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Established in 1993, the Department offers B.Tech. ECE and M.Tech. ECE (Regular & Part-Time). Accredited twice by the NBA in 2004 and 2008.

Accredited by the Institute of Electronics & Telecommunication Engineers (India) in 2005. Highly trained & experienced faculty.

Advanced facilities for research & development. Industrial visits to supplement the practical knowledge of the students. Emphasis on conceptual development of the students through seminars and conferences. Very strong alumni base. Mr. Jagnoor Singh awarded with "Distinguished Alumnus Award" by the Uni. Placement of students in reputed multi-national and Indian corporate. Award winning performance of students in reputed national and international project competitions. Student Chapters of reputed professional bodies for all round professional development. Community service by organizing "Social Awareness & Medical Camp".

LABORATORY FACILITIES

The aim is to promote learning with practical implementation, and develop innovativeness. The department has the following labs equipped with all the latest techniques and instruments:

DEPARTMENTAL LABS

Measurements & Inst Lab **Printed Circuit Board Lab Linear Control System Lab** **Object Oriented Programming Lab Digital Signal Processing Lab** Networks & Electronic Devices Lab

FACULTY

Prof. R S Uppal Er. Sonia **Er. Supreet Singh** Er. Daljit Singh Dr. Hardeep Singh Ryait **Er. Jaspreet Kaur** Er. Jaspal Singh Khinda **Er. Navpreet Kaur** Er. Simarpreet Kaur Er. Mandeep Kaur Er. Prabhjot Kaur Er. Dilpreet Kaur Dhillon Er. Harpreet Kaur Er. Sukhjeet Kaur **Er. Tripatjot Singh Panag** Er. Kamaldeep Kaur Er. Jatinder pal Singh Er. Bhalinder Er. Raju Sharma Er. Kiranpreet Kaur Er. Amrit Kaur Er. Karamjeet Singh



DEPARTMENT OF MECHANICAL ENGINEERING

Established in 1993, the Department offers B.Tech. Mechanical Engg. and M.Tech. CAD/CAM. Accredited twice by the NBA in 2004 and 2008. Accredited by the Institution of Engineers (India). Placement of students in reputed multi-national and Indian corporate. Very strong alumni base across the globe. Highly experienced & trained faculty with most of them doctorate and pursuing doctorate. Faculty actively engaged in research, has research projects amounting to Rs.2 Crore. State-of-the-infrastructure and advanced facilities for research & development. Excellent workshops and labs fully equipped with latest & sophisticated equipment & machinery.

Industrial visits to supplement the practical knowledge of the students.

Emphasis on conceptual development of the students through seminars and conferences. MoU with STEP, Ludhiana and NISST, Mandi Gobindgarh for internship. Well established student chapters of ISTE, IEI, SAE and ISHRAE for all round professional development. Beside conventional technical education, emphasis on extracurricular activities. Students encouraged for many industry and university sponsored projects.

DEPARTMENTAL LABS

Mechanical Vibrations Lab
Applied Thermodynamics Lab
Industrial Automation & Robotics Lab
Refrigeration And Air-conditioning Lab
Engineering Materials & Metallurgy Lab

Tribology Lab
Automobile Lab
Heat Transfer Lab
Fluid Mechanics Lab
Computer Graphics Lab

Cad/Cam Lab
Metrology Lab
Industrial Engg. Lab
Fluid Machinery Lab
Theory Of Machines Lab

WORKSHOPS

Central Workshops Machine Shop Welding Shop Smithy Shop
Carpentry Shop Fitting Shop Foundary Shop

FACULTY

Dr. Amanpreet Singh Sethi
Dr. Jaspreet Singh Oberoi
Dr. Lakhvir Singh
Er. Jasbir Singh Ratol
Dr. Bhupinder Singh Bhullar
Er. Narinder pal Singh
Dr. Niraj Bala
Dr. Manpreet Kaur Arora
Dr. Doordarshi Singh
Er. Siddhartha Saha

Er. Maninder Kaur
Dr. Deepak Kumar Goyal
Dr. Sanjeev Bhandari
Er. Amandeep Singh
Er. Balraj Singh
Dr. Sanjiv Kumar
Er. Harpreet Singh Aujla
Er. Amardeep Singh
Er. Rajeev Sukheeja
Dr. Nitin Singla

Er. Harmesh Kumar
Er. Rajmeet Singh
Er. Gurpreet Singh
Er. Gagandeep Singh
Er. Peeyush Gaba
Er. Ishpreet Singh
Er. Arishu Kaushik
Er. Harjit Singh Mangat
Er. Palwinder Singh
Er. Harpreet Singh Nagi

Er. Birdevinder Singh
Er. Gagandeep Singh Kohli
Er. Avtar Singh
Er. Ashish Kumar
Er. Lakhwinder Singh
Er. Meetinder Singh
Er. Sanpreet Singh
Er. Satinder Singh
Er. Gaganjot Singh



DEPARTMENT OF ELECTRICAL ENGINEERING

The Department of Electrical Engineering, established in 2002 and equipped with the latest experimental and computational facilities runs various graduate and post graduate programmes such as, B.Tech (Electrical Engineering) with an intake of 120, Regular M.Tech (Power Systems) and M.Tech (Instrumentation & Control) with intake 18 each and M.Tech (Power Engineering) - Part time with intake of 25 students. The major objective of the department is to impart technical training to the students to promote curiosity and innovativeness among them so that they can cope with the fast changing needs of the industry. Currently, the department is training the students, on ETAP, LABVOLT, LABVIEW, SOLIDOWORKS, MATLAB MULTISIM & PLC based programmes. Students are placed in companies like: Accenture, PSPCL, PSTCL, Bharat Bijli Ltd, Siemens, Jindal, Oswal, A2Z corporations, Green Energy Power Limited, PEPSI bottling plant, and Aarti Steels.

The department has recently acquired LABVOLT training modules which are precision equipments and are very helpful in understanding Machines, PLC & Renewable Energy basics. The Department can also now simulate electrical grid comprising Renewable & Non-Renewable supply. The instruments have been procured from Canada and these instruments are rarely available in the Engineering Colleges of North India. Rewarding its pursuit to impart qualified training to the students, the University has allotted the department four Industry defined Projects in previous two semesters. It has been working in close tandem with the industry to provide latest software and hardware training modules through its Faculty Development Programmes (FDP):

DEPARTMENTAL LABS

Er. Amarjit Kaur

Power System Lab
Microcontroller And Plc Lab
Electrical Machine Lab
Linear Control System Lab
Computer Aided Power System Analysis Lab

Measurements & Instrumentation Lab Electronic Circuit Lab Estimation And Costing Lab Power Electronics Lab

FACULTY

Er. Amrinder Kaur **Er. Simarpreet Singh** Dr. Lakhwinder Singh Er. Divya Gupta Dr. Gursewak Singh Brar Er. Neeraj Sharma **Er. Manpreet Singh** Er. Simranjeet Singh Er. Rajni Bala Er. Navdeep Kaur Brar Er. Mandeep Kaur Virk Mrs. Tanu Puri Er. Jaspreet Kaur Er. Navjot Kaur Er. Kuldeep Singh Er. Navneet Kaur Panag Er. Amanpreet Kaur Er. Ranvir Kaur Er. Mandeep Kaur Pandher

Er. Maninder Kaur Er. Tejpal Singh Cheema



DEPARTMENT OF MANAGEMENT STUDIES

The Department of Management Studies is one of the best business schools in the northern Punjab. The Department offers cutting edge management programmes to enhance the knowledge, abilities and managerial skills of the students with a motive to meet the multifarious needs of Industry. The Department of Management studies (DMS) established in the year 2008 offers specializations in Finance, Marketing, International Business, Operations Management, Retail Management, Information Technology and Supply Chain Management. The department is offering M.B.A. program in two academic years. The programme consists of 26 courses along with 6-8 weeks internship and industry based projects.

To our students, we offer intellectual depth, abundant resources, and individual attention. We organize large number of academic, cultural and research activities to develop leadership skills of students. The department has a collobartion with Business Standard which conducts a business quiz competition at Punjab level in order to judge their awareness in the fields of Management and current business happenings. Jasdeep Kaur and Ramandeep kaur MBA-1st sem has shared the first position. Poonamdeep Kaur and Manpreet kaur have secured the second and third position respectively.

We are equipped with all the facilities- residential, mess, sports, swimming pool, gym, computer center, auditorium and 24x7 WiFi connectivity. We have state of the art infrastructure. It includes two fully equipped labs with 30 computers each. All the computers have latest operating systems and statistical software's such as SPSS, and Amos. The department has fully Air Conditioned and digital classrooms which are equipped with LCD projector and computer systems. We have a conference room and Group discussion room comprising round table, chairs, computer and LCD projector.

DISTINGUISHED FEATURES

Personality Development Program
Excellent Opportunities for Research
Fortnightly Guest Lectures
Industrial Visits
Research Projects (industry specific problems)

Business News Analysis
Discussions/Quiz
Rich e-library
Panel Discussions
Consulting Assignments

FACULTY

Dr. Bhupinder Singh Bhullar

Dr. Sukhwinder Kaur Dhanda

Dr. Jasleen Kaur Kathuria Ms. Sukhmeet Kaur

Er. Mandeep Singh
Er. Vikram Singh

IMPORTANT PHONE NUMBERS

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Dean R & D	+91 88720 35213
Dean Student Affairs	+91 98550 43335
Dean Examination	+91 88720 35201
HOD Applied Sciences	+91 88720 35211
HOD CSE & IT	+91 94634 46505
HOD Civil	+91 88720 35202
HOD ECE	+91 98556 51466
HOD EE	+91 88720 35214
HOD ME	+91 88720 35205
HOD Agriculture Engg	+91 88720 07780
Head & MBA	+91 98720 68888
Chief Security Officer	+91 88720 16450
Senior Hostel Warden (Boys)	+91 98140 64145
Senior Hostel Warden (Girls)	+91 88720 16435
Training & Placement Cell	+91 88720 35213
Academic Section	+91 88720 16608
Important Numbers for Admissions	
Head, Admission Activities	+91 98720 68888
Joint Admission Director (Bihar)	+91 98889 36363
Dy. Admission Director (Jharkhand & NE States)	+91 93043 92299
Dy. Admission Director (Bihar)	+91 90232 22272

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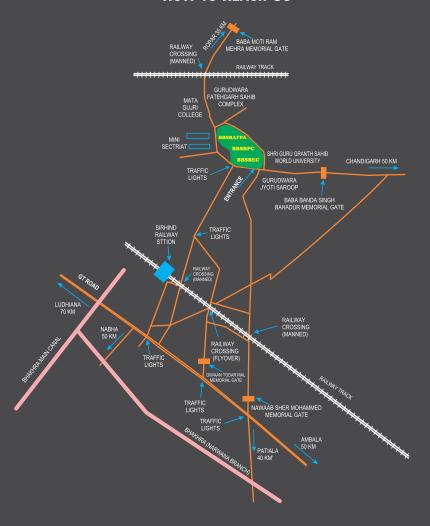


Disclaimer

The statements made in the prospectus and all information contained herein is believed to be correct at the time of publication. However the college reserves the right to make changes and additions to the regulations, conditions governing the conduct of statements, requirements for degree, fee and any other information, or statement contained in the prospectus at any time, without notice. No responsibility will be accepted by the college for hardship or expenses incurred by its students or any other person (s) for such changes, additions, omissions or errors, no matter how they are caused.



HOW TO REACH US



DISTANCE

Nearest Airport (Mohali)	40 km
Nearest Railway Station (Sirhind)	04 km
Ludhiana	65 km
Patiala	40 km
Chandigarh	45 km
Roopnagar	60 km
Ambala	60 km
New Delhi	260 km