



Shaheed Bhagat Singh State University

Moga Road (NH-05), Ferozepur-152004 (Punjab), INDIA

**Established By Punjab Government under Act No. 10 in 2021
(Formerly Shaheed Bhagat Singh Technical Campus, Ferozepur)**

Placement Brochure



★ AICTE Approved ★ COA Approved ★ UGC Autonomous

★ NAAC Accredited Courses



Our Vision & Mission

Brochure Contents

Description	Page No.
Our Vision & Mission	01
Messages	02
Training and Placement Team	03
University & Courses Offered	04
Our Eminent Alumni	05-08
Computer Science & Engineering	09-10
Mechanical Engineering	11-12
Electronics & Communication Engineering	13-14
Electrical Engineering	15-16
Chemical Engineering	17-18
Civil Engineering	19-20
Master of Computer Applications	21
Applied Science & Humanities	22
Polytechnic Wing	23
Student Activities	24
Placement Cell in Media	25

About SBSSU

The Institute was established by the Government of Punjab in 1995 with the name Shaheed Bhagat Singh College of Engineering and Technology as a tribute to the great martyr Shaheed Bhagat Singh. In academic year 2011-12, it was upgraded to the status of a technical campus and rechristened as Shaheed Bhagat Singh State Technical Campus and thereafter in 2021 it is upgraded to Shaheed Bhagat Singh State University Ferozepur. The University is committed to induce quality in Engineering, Management and Science graduates registered for diploma, UG, PG and Doctoral courses. The Technical Campus, with its lush green state-of-the-art campus spread over 98 acres is situated on Ferozepur-Moga Road NH-05, about four Kilometres away from the Ferozepur Cantt. The Institute has got accreditation from NAAC in March 2015. The technical campus has got autonomous status from UGC for a period of 6 years in May 2015.

In 2009, Ministry of Human Resource & Development, Government of India recognized this institute and covered under World Bank assisted project of Technical Education Quality Improvement Programme, Phase-II and sanctioned funds of Rs. 10 Crore for the same. A highly experienced and stable faculty of about 150+ members, mostly with doctoral degrees from IITs, is the biggest strength of the institute. In 2014, institute's five B.Tech. programmes, viz. CHE, CSE, ECE, EE and ME got accredited by National Board of Accreditation, with collective efforts from all corners of the institute and encouraging support of Board of Governors.

Our Vision

To be identified as preferred destination for professional studies responsive to industrial and societal needs of the country.

Our Mission

1. Imbibing versatility, adaptability and yearning for excellence amongst students with highest ethical values as their inner strength.
2. Development of technically competent manpower with requisite analytical, theoretical and managerial skill and practical exposure.
3. All round development of students, staff and faculty by providing conducive environment and infrastructure for learning, skill development and research.

Messages

Sh. Harjot Singh Bains, Honble Technical Education Minister Govt. of Punjab- Cum-Chairman BOG



Shaheed Bhagat Singh State University, Ferozepur was established by State Government in 2021 for the development of Ferozepur border area. I am happy to see that this institute is rising much above expectations of everyone. Alumni of the institute have made their mark in various fields and their achievements stand as a testimony to our endeavors and their hard work. SBSSU is an institute where students are equipped with the necessary skills that create successful technocrats and global leaders who can steer the world in the direction of growth and development. I, on behalf of SBSSU, invite your company to visit our institute for University Placements and other purposeful academic activities of mutual interest.

Dr. Sushil Mittal, Honble Vice Chancellor

In Pursuit of Success through Excellence, I am pleased to welcome students to Shaheed Bhagat Singh State University (SBSSU), Ferozepur. SBSSU stands for imparting quality education which will not only prepare them for their academics but to face challenges of current times at global level. University has developed partnership at national & international level with top ranked universities, renowned corporates and institutions for academic exchange and training of students. We are producing not only students who are job ready but who are job creators, entrepreneurs and future leaders. We also lay great stress on campus placements. Our training and placement cell is quite dynamic with impressive placement record. I assure students that SBSSU provides you a great opportunity to excel and succeed. globally, I wish you a bright future. "Join SBSSU if you have Ambition, Dream & Vision to excel in life"



Dr. Gazal Preet Arneja, Registrar

SBSSUFerozepur is first institute that has been upgraded as State Technical University in 2011 by the Punjab Government. Its five Under Graduate courses have been accredited by National Board of Accreditation on the basis of Outcome Based Education. Training & Placement Office at SBSSU plays a key role in finding a bright future for our students and also provides an opportunity for them to choose their career in areas of their interest. Various national and multinational companies, reputed public sector undertaking, etc. regularly visit us for University Placements. Many of our students are currently heading various leading organizations and shouldering vital responsibilities in both India and abroad. The institute maintains very good relationship with the recruiters and all possible hospitality is extended to them. I am quite sure that students of our institute will prove themselves capable enough to meet the challenges of modern technical world.



Dr. Vishal Sharma , Co-ordinator CDC



SBSSU, Ferozepur carries a legacy of more than 20 years as one of the premier institutes of the region. Technological advancements are changing the world and it becomes a challenging task to cater the needs of the industry and society. However, I am feeling proud in saying that SBSSU is facing the challenge successfully. The institute is contributing to developmental needs of the industry, society and the country on a whole. This is possible due to outstanding efforts of the faculty and bright students who get admission after facing significant competition.

Our alumni have achieved tremendous success in all spheres and this bears an eloquent testimony to our efforts. I take pride in cordially inviting you to participate in our endeavor and look forward to welcoming you to the recruitment program.

Er. Inderjeet Singh Gill, Co-coordinator CDC



SBSSU invite esteemed organizations to visit our campus for the recruitment. Your visit shall provide a platform to utilize the technical knowledge and will motivate young talent of our students establishing a synergetic interface. Besides, we also invite the companies to take Final/ Pre Final year students to be a part of your team. It would be our proud privilege to welcome you and the recruitment process can be organized at SBSSU, Ferozepur.

Mr. Retaish Uppal, Co-coordinator CDC



Training & Placement Team



Dr. Parampreet Kaur
TPI-CE
tpice@sbsstc.ac.in
78888-12165



Mr. Surinder Singh
TPI-CHE
tpiche@sbsstc.ac.in
82838-01469



Mr. Navtej Ghumman
TPI-CSE
tpicse@sbsstc.ac.in
94639-26475



Ms. Bindu Bala
TPI-CA
tpimca@sbsstc.ac.in
81465-89807



Mr. Jugraj Soni
TPI-EE
tpiee@sbsstc.ac.in
94171-31424



Mr. Chakshu Goel
TPI-ECE
tpiece@sbsstc.ac.in
98724-62315



Mr. Munish Kumar
TPI-ME
tpime@sbsstc.ac.in
96535-17234



Dr. Kamal Khana
TPO-PW
kamalkhanna@sbsstc.ac.in
95010-25533



Dr. Baljit Singh Bhullar
TPI-BSC & MBA. M.COM, B.COM
baljit@sbsstc.ac.in
99884-46122



University and Offered Courses

Salient Features

- ✓ **Campus:** The campus is equipped with Bank, ATM, Post Office, Nestle Cafe & Verka Booths, Shopping Complex and a Health Center.
- ✓ **Internet Connectivity:** Campus is fully connected with 34Mbps Internet Leased Line via Wired and WiFi LANs.
- ✓ **Hostels:** Separate hostels for Boys and Girls with Computer Labs, Internet connectivity and Cooperative Mess facilities.
- ✓ **Placements:** Many multinational/national companies vizz. Infosys, Wipro, Sonalika, Nestle, Sopra Staria etc. recruit our students.
- ✓ **Library:** Well stocked library with online & print international and national journals, magazine, text and reference books.
- ✓ **Power:** Hotline with three DG Sets for power backup.
- ✓ **Polytechnic Wing:** Punjab Government established Polytechnic Wing in 2009 under NABARD scheme to run 3-year diploma courses.
- ✓ **Fee:** Student pay fee as per Government rules; No donation; No management quota; No capitation fee and No any other hidden expenses
- ✓ **Reservation:** Reservation policy and Fee Waiver admissions as per Government rules.

ACADEMIC PROGRAMMES

*Computer Science Engineering
*Electrical Engineering
*Electronics & Comm. Engineering
*Mechanical Engineering
Master of Computer Applications
Bachelor of Computer Applications
Chemical Engineering
Civil Engineering

PGDCA
B.Sc. Agriculture
M.Com
B. Architecture
B.COM
B.Sc. Non Medical/ Applied Physics
B.Sc Computer Application & Electronics
B.Sc Computer Science

* Both B.Tech & Diploma

Our Placed Alumni



Kulwant S. Navodian (IAS)
Income Tax Department
Government of India



Neeraj Soi (IAS)
Indian Revenue Services
Government of India



Ravi Chauhan (IES)
Indian Telecom Services
Ministry of Comm. & IT



Rupinder Kaur Sran (PCS)
Deputy Supdt of Police
Government of Punjab



Rajiv Goyal
Lieutenant Colonel
Indian Army



SB Reddy
Vice President
Accenture, Chennai



Jasleen Kaur
Associate Director
KMPG Consulting Services



Dhiraj Mahajan
Assistant Professor
IIT Ropar



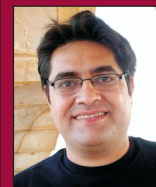
Deepak Rajwani
Deputy Manager
NTPC, Noida



Sandeep Mittal
DGM Strategic Sourcing,
Lava International Ltd



Rohit Sood
General Manager,
Material Management,
Havells India limited



Rahul Chibber
Assistant Professor
IIT, Jodhpur



Amit Gupta
Associate Consultant at
Global Logic Noida



Anoop Jain
Master Black Belt (Asia
Pacific & Middle East
Region), IDEMIA



Puneet Singla
Director
Amdocs, Gurgaon



Ramesh Kamboj
Industrial Engg & Mgmt
Branch Service Head
(J &K), LG Electronics India
Pvt Ltd.



Rajnish Singh
Mechanical Engg
Assistant Professor
Kamla Nehru Institute of
Technology (Govt.
Autonomous), Sultanpur UP



Pritipal Singh
Industrial Engg & Mgmt
Senior Program Manager in
GE Aviation, USA



Saurabh Gupta
HPS India Direct Sourcing
Leader,
Honeywell International



Amit Behl
Asset Engineer Mechanical
MIEAust CPENG RPEQ,
Australia



Vaneet Arora
Associate Partner, IBM,
USA



Varun Wadhwa
General Manager, Tikona
Infinet Pvt. Ltd.



Nitin Bansal
Lead Project Manager,
Baker Hughes, A GE
Company (erstwhile GE Oil
and Gas)



Sahil Ghai,
Sr. Manager, NTPC
Limited



Narinder Kumar
Procurement Manager,
LG Electronics India Pvt.
Ltd



Ranjeet Singh Narang
Vice President,
CareerNet Consulting



Deepak Aggarwal
Projects Manager - SAP,
Deloitte Consulting GmbH,
Germany

Our Placed Alumni



Saumitra Bhaskar Mishra
Capgemini
Security analyst



Naveeta Rajput
Tata Consultancy
Services Data Analyst
(System Engineer)



Rakesh Kumar
Accenture
Application development
analyst



Aditi Khurana
Infosys
System Engineer



Himanshu Patel
Oracle India Pvt. Ltd
Application Developer



Govind Kumar
IQUESTBEE TECHNOLOGY
Salesforce developer



Gagandeep Kaur
Flipkart
UI Engineer



Diksha Palta
Tech Mahindra
Software engineer



Simran Verma
Padmini VNA
Mechatronics limited



Manish
VVDN TECHNOLOGY



Ashutosh Maurya
VVDN Technology



Saurav Kashyap
Padmini VNA
Mechatronics limited



Aditya Kumar Jha
Padmini VNA
Mechatronics Ltd.



Shivam Kumar Maurya
Grauer & Well India Ltd.



Vivek Kumar Maurya
Al Naddha, Oman



Rishi Raj
Kochin Shipyard Ltd.



Kaushal Kishore
British Telecom, Gurgaon



Saurav Singh
Capegemini



Naresh Bhardwaj
Cognizant Technology
Solutions



Diya Arora
Genpact



Jyoti
Capgemini Technology
Services India Ltd.



Khushpreet Punia
Infosys



Sandeep Srivastava
Capgemini Technology
Services India Ltd.



Vishal Langeh
Konkan Railways



Rajan Priyadarshi
ConQsys Pvt Ltd



Ankit Kumar
Mphasis



Avinash Arya
ZScaler

S.No.	Student Name	Package	Designation	Company Name
1.	Alisha	13 LPA	Analyst	Cervello
2.	Lakshay Handa	6.0 LPA	Associate Engineer	Zscaler
3.	Satyam Singh	6.0 LPA	Associate Engineer	Zscaler
4.	Saumya Jayati	4.5 LPA	Associate System Engineer	IBM
5.	Sukhjeevan Singh	6.0 LPA	Software Engineer	MAQ Software
6.	Manisha Prakash	5.0 LPA	Test Engineer	Softdel System Pvt. Ltd
7.	Gagandeep Kaur	6.0 LPA	Software Engineer	MAQ Software
8.	Neeraj Kumar	6.5 LPA	Junior Data Scientist	algo8.ai
9.	Naresh Kumar	6.5 LPA	Software Engineer	Sopra Steria
10.	Nishant Kumar Singh	6.80 LPA	Contant Engineer	Prowizard Inc
11.	Avneet	6 LPA	PGET	Hexaware
12.	Chetanaya Aggarwal	7 LPA	BDA	BYJU'S
13.	Diksha Palta	8 LPA	Software Engineer	Tech Mahindra
14.	Mr. Ranvir Kumar	7.20000 LPA	Junior Engineer	Border Road Organization
15.	Mr. Surinder Singh	7.20000 LPA	Junior Engineer	P.W.D. B & R, Punjab
16.	Santosh Kumari	6 LPA	Software Engineer	MAQ
17.	Ankit	6 LPA	Full Stack Developer	eNest
18.	Ashutosh	6 LPA	Full Stack Developer	eNest
19.	Anushka Gupta	5 LPA	Software Engg	Jio Platforms
20.	Riya Ganguly	5 LPA	Software Engg	Jio Platforms
21.	Manas Bhardwaj	5 LPA	Software Engg	Jio Platforms
22.	Ayush Pandey	5 LPA	Software Engg	Jio Platforms
23.	Shikha Thakur	4.2 LPA	Software Engg	Accenture
24.	Onkar nath ojha	5 LPA	Software Engg	Jio Platforms
25.	Esha Aggarwal	3.5 LPA	Software Engg	Infosys
26.	Saurav Mehta	5 LPA	Technical Solution Consultant	Hewlett Packard Enterprise India Pvt Ltd. (HPE)
27.	Riya Ganguly	6 LPA	Engineer Trainee	SOPRA STERIA - Noida
28.	Kajal Kumari	6 LPA	Engineer Trainee	SOPRA STERIA - Noida
29.	Dhruv Manktala	6 LPA	Engineer Trainee	SOPRA STERIA - Noida
30.	Lovepreet Singh	6 LPA	Engineer Trainee	SOPRA STERIA - Noida
31.	Shubham Kumar	7.5 LPA	SAP ABAP Developer	Infosys Limited
32.	Rahul Dubey	10 LPA	Business Development Trainee-Sales	CloudThat Technologies Private Limited
33.	Shailesh Kumar	10 LPA	Business Development Trainee- Sales	BYJU'S
34.	Sarvesh Mishra	10 LPA	Business Development Associate	BYJU'S
35.	Chandan Kumar Bhardwaj	10 LPA	Product Specialist	BYJU'S
36.	Anand Shekhar Singh	10 LPA	Business Development Associate	BYJU'S
37.	Prasant Kumar	10 LPA	Business Development Trainee-Sales	BYJU'S
38.	Manas Bhardwaj	7 LPA	System Engineer	TCS
39.	Dhananjay Shukla	8 LPA	Business Development Associate	BYJU'S
40.	Kunal Kumar	6 LPA	Pway Engineer	Ministry of Indian Railways
41.	Anmol Rana	3.36 LPA	Graduate Engineer Trainee	TCS
42.	Mr. Atul Kumar Jha	5 LPA	Highway Site Engineer	Shivalaya Construction Co.Pvt. Ltd.
43.	Mr. Pavitar Singh	5 LPA	Junior Draftsman	Deptt. of Soil and Water Conservation
44.	Damanjeet	5LPA	Software Development	Hoping Minds
45.	Virendra Kumar Yadav	4 LPA	Programmer Analyst Trainee	Cognizant Technology Solutions India Pvt. Ltd.
46.	Suraj Kumar Saw	4 LPA	Programmer Analyst Trainee	Cognizant Technology Solutions India Pvt. Ltd.

S.No.	Student Name	Package	Designation	Company Name
47.	Satyam Gupta	4.5 lpa	Programmer Analyst Trainee	Cognizant Technology Solutions India Pvt. Ltd.
48.	Sohit Kumar Patel	4.5lpa	Programmer Analyst Trainee	Cognizant Technology Solutions India Pvt. Ltd.
49.	Sandeep	4.5lpa	Program Analyst trainee	Cognizant Technology Solutions India Pvt. Ltd.
50.	Naresh Kumar	6.5 LPA	Software Engineer	Sopra Steria
51.	Ashish Mishra	4.51 lpa	Software Engineer	Infosys
52.	Danish Chugh	4 LPA	System Engineer	Infosys
53.	Aryan Daftari	4.51 lpa	Software Engineer	Persistent Systems
54.	Ankit Anand	4.5lpa	Software Engineer	Persistent Systems
55.	Abdul Wajid	4.5 LPA	Software Dev Trainee	Machlin SoftwareTechnology
56.	Sharanpreet Kaur	4.5 LPA	Software Dev Trainee	Machlin SoftwareTechnology
57.	Hina Chauhan	4.5 LPA	Software Dev Trainee	Machlin SoftwareTechnology
58.	Manurishi	4.0 LPA	Technical Engineer	Vodafone Idea
89.	Pooja	4.1 Lacs	Associate Engineer Trainee	ERICSSON
60.	Keshav Kumar Mishra	4.2 LPA	Software Trainee	HCL Technologies
61.	Anurag Tiwari	4.25 LPA	Software Trainee	HCL Technologies
62.	Vibhor Gupta	4.25 LPA	Software Trainee	HCL Technologies
63.	Vishal Tripathi	4LPA	Analyst	Capgemini
64.	Rajan Kumar Singh	4LPA	Analyst	Capgemini
65.	Avinash Arya	13 PLA CTC	Associate Cloud Security Engineer	Zscaler
66.	Simran Verma	3.5 LPZ	Graduate Engineer Trainee	Padmini VNA Mechatronics Ltd.
67.	Daljeet Singh	3.2 LPA	Graduate Engineer Trainee	VVDN Technologies Pvt Ltd
68.	Dipesh Kumar Mishra	3.2 LPA	Graduate Engineer Trainee	VVDN Technologies Pvt Ltd
69.	Ankush Aneja	6.5LPA	Graduate Engineer Trainee	Mavenier
70.	Ashutosh Sharma	6.5LPA	Graduate Engineer Trainee	Mavenier
71.	Ashita	3.36 LPA	System Engineer	TCS
72.	Sunny Kumar	3.7 LPA	Software Engineer	Wipro
73.	Gaurav Kashyap	2.4 LPA	GET	Rockman Industries Ltd, Ludhiana
74.	Inderjeet Singh	2.4 LPA	GET	Rockman Industries Ltd, Ludhiana
75.	Chetan Sharma	2.15 LPA	Graduate Engineer Trainee	International Tractros Ltd (Sonalika Tractors)
76.	Sahil	2.15 LPA	Graduate Engineer Trainee	International Tractros Ltd (Sonalika Tractors)
77.	Pankaj Prakash	3.15	Trainee Software	Relinns
78.	Avneet	3.15	Web developer	Relinns
79.	Ajeet Singh	2.6 LACS PA	Jr Embedded Engineer	Advance tech India Pvt Ltd.
80.	Priyanka Gandotra	14.5LPA	Associate Business Support Analyst	ZScaler
81.	Rohit Sharma	14.5LPA	Associate Business Support Analyst	ZScaler
82.	Ankit Mehra	3.5LPA	Data Analyst	eNest Technologies Pvt. Ltd.
83.	Krishnansh	3.5LPA	Data Analyst Intern	eNest Technologies Pvt. Ltd.
84.	sunita	3.5 LPA	Data Analyst	eNest Technologies Pvt. Ltd.
85.	Abrar Hamid Wani	3.5 LPA	Data Analyst	eNest Technologies Pvt. Ltd.
86.	Ayushi Raj	3.5LPA	Data analyst	eNest Technologies Pvt. Ltd.
87.	Manjeet Singh	3.2 LPA	Engineer (PTS)	VVDN Technologies Private Ltd.
88.	KHUWAID MEHRAJ	3.2 LPA	Engineer (PTS)	VVDN Technologies Private Ltd.
89.	Anubhav	3.2 LPA	Engineer (PTS)	VVDN Technologies Private Ltd.
90.	Reetika mittal	6 LPA	Business Development Associate	Registerkaro
91.	Jatin Verma	7 LPA	Business Development Associate	BYJUS

Computer Science & Engineering

Department of Computer Science & Engineering was established in 1996 with an initial intake of 40 students. To fulfil societal demands, department has increased the annual intake for UG degree to 120. The department aims to be identified as a preferred destination for professional studies responsive to industrial and societal needs of the country. Highly qualified, experienced and dedicated faculty and good ranked students from across the country are the biggest strength of the department. In addition, the infrastructure and laboratories are upgraded from time to time with state-of-art facilities. The department has been accredited by National Board of Accreditation, in 2018, under outcome based process of accreditation. Our graduates have been well placed in top companies like Amazon, Infosys, IBM, Microsoft, TCS, Accenture, Amdocs, HCL, Cognizant, HP, Cognixia, Cogniter, Wipro, Mind Infotech and Tech Mahindra etc. .

S. No.	Faculty Members	Designation	Qualification
1.	Dr. Sunny Behal	HOD & Associate Professor	Ph.D., M.Tech., B.Tech.
2.	Mrs. Daljeet Kaur	Associate Professor	Ph.D.*, M.Tech., B.Tech.
3.	Mr. Japinder Singh	Associate Professor	M.S., B.Tech.
4.	Mr. Navtej S. Ghumman	Associate Professor	Ph.D.*, M.E., B.Tech.
5.	Dr. Sonika Jindal	Associate Professor	Ph.D., M.Tech., B.Tech.
6.	Dr. Vishal Arora	Assistant Professor	Ph.D., M.Tech., B.Tech.
7.	Mr. Pawan Luthra	Assistant Professor	Ph.D.*, M.Tech., B.Tech.
8.	Mr. Gagandeep Luthra	Assistant Professor	M.Tech., B.Tech., UGC NET

Seven (07) more junior faculty members

* Pursuing

Graduate Attributes

On completion of B.Tech. in Computer Science and Engineering, our graduate are able to attain following attributes

- ü Attain ability to apply knowledge of mathematics, science and Engineering fundamentals appropriate to the domain.
- ü Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- ü Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- ü Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- ü Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.



Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

☑ The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

☑ Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

☑ Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

☑ Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

☑ Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

☑ Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

☑ Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Major subjects studied during B.Tech. degree

Third Semester

Digital Electronics
Data Structure and Algorithm
Object Oriented Programming
Mathematics III
Foundation Course In
Humanities

Fourth Semester

Discrete Mathematics
Computer Organization &
Architecture Operating
Systems Design and Analysis of
Algorithms Environmental
Sciences Universal Human
Values 2

Fifth Semester

Enterprise Resource Planning
Database Management System
Formal Language & Automata
Theory Software Engineering
Computer Networks
Elective – I
Constitution of India

Sixth Semester

Compiler Design
Artificial Intelligence
Elective II
Elective III
Open Elective I
Project I

Seventh Semester

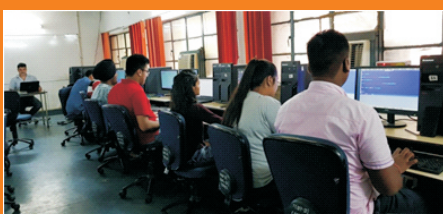
Network Security and Cryptography
Data Mining and Data Warehousing
Open Elective II
Elective IV, Elective, VProject II

Eighth Semester

Semester Training



Setting and Testing LANs



Mechanical Engineering

Department of Mechanical Engineering was started in 1995 with an annual intake of 40 students which is now increased to 120 students. A competent and professional team of faculty, mostly with Ph.D. degrees from reputed universities, is backing up the steady growth and development of the department. Students are impelled to take up industrial training, innovate and implement new project ideas that help them to sharpen their engineering skills.

Graduate Attributes

After B.Tech. in Mechanical Engineering, the graduates

- ✓ shall have the ability to identify, analyze, design and realize mechanical systems to meet requirements of industry and academia.
- ✓ shall have the ability to use fundamental concepts, contemporary computational and IT techniques.
- ✓ shall have the competence in experimental practices, data interpretation and ability to apply mathematics to formulate and solve complex engineering problems.
- ✓ shall be able to communicate effectively in both oral and written forms.
- ✓ shall have the ability to plan, schedule, and execute engineering projects.
- ✓ shall have all round personality enabling them to function in multi-disciplinary teams within realistic constraints such as economic, environmental, social, ethical and sustain-ability.
- ✓ shall have the buoyancy for self-education and ability for life-long learning.
- ✓ shall be able to participate and succeed in various competitive examinations for higher studies and various mechanical engineering jobs.

S. No.	Faculty Members	Designation	Qualification
1.	Dr. T. S. Sidhu	HOD & Professor	Ph.D., M.Tech., MBA, B.E.
2.	Dr. Tejeet Singh	Professor	Ph.D., M.Tech., B.E.
3.	Dr. Arun Kr. Asati	Professor	Ph.D., M.Tech., B.E.
4.	Mr. Sukhwant Singh	Associate Professor	B.E.
5.	Dr. Vaishali Goyal	Associate Professor	Ph.D.*, M.Tech., B.Tech.
6.	Dr. Gazal Preet Arneja	Professor	Ph.D., M.Tech., MBA, B.Tech.
7.	Dr. Manjinder Singh	Associate Professor	Ph.D., M.Tech., B.Tech.
8.	Dr. R. P. Singh	Associate Professor	Ph.D., M.Tech., B.Tech.
9.	Mr. J. K. Aggarwal	Associate Professor	Ph.D.*, M.Tech., B.Tech.
10.	Mr. Munish Kr. Dhir	Associate Professor	Ph.D.*, M.Tech., B.Tech.
11.	Dr. D. P. Kashyap	Associate Professor	Ph.D., M.Tech., B.Tech.
12.	Mr. Gurnam Singh	Associate Professor	Ph.D.*, M.Tech., B.Tech.
13.	Mr. Jwala Prashad	Assistant Professor	Ph.D.*, M.Tech., B.Tech.
14.	Dr. Sukhjinder Singh	Assistant Professor	Ph.D., M.Tech., B.Tech.
15.	Mr. Veerpal Soi	Assistant Professor	M.Tech., B.Tech.
16.	Mr. Hitesh Uppal	Assistant Professor	Ph.D.*, M.Tech., B.Tech.
17.	Dr. Baljeet Singh	Assistant Professor	Ph.D., M.Tech.

Five (05) more junior faculty members

* Pursuing



Major subjects studied during B.Tech. degree

Third Semester

Strength of Materials- I
Theory of Machines-I
Machine Drawing
Applied Thermodynamics -I
Manufacturing Processes – I
Engineering Materials & Metallurgy

Fourth semester

Strength of Materials – II
Theory of Machines – II
Fluid Mechanics
Applied Thermodynamics – II
Manufacturing Processes-II

Fifth Semester

Mathematics-III
Design of Machine Elements – I
Computer aided Design and Manufacturing
Mechanical Measurement and Metrology
Industrial Automation and Robotics
Automobile Engineering
Industrial Training

Sixth Semester

Design of Machine Elements II
Heat Transfer
Fluid Machinery
Statistical and Numerical Methods in Engineering
Non-Traditional Machining/
Material Management
Minor Project

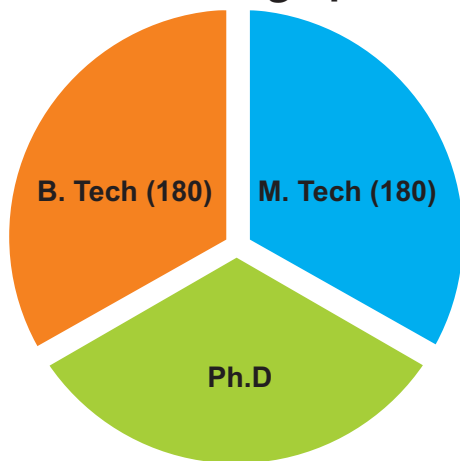
Seventh Semester

Software Training
Industrial Training

Eighth Semester

Industrial Engineering and Management
Refrigeration and Air Conditioning
Mechanical Vibrations
Total Quality Management
Human Resources Management
Major Project

Student's Demographics



List of Laboratories

- * CAD/CAM
- * Refrigeration & Air Conditioning
- * Industrial Automation & Robotics
- * Fluid Machinery
- * Strength of Materials
- * Industrial Engineering
- * Dynamics of Machines
- * Theory of Machines
- * Metrology
- * Heat Transfer
- * Machine Tools
- * Measurement and Control
- * I C Engines
- * Non Traditional Machines
- * Workshop
- * Fluid Mechanics

Other Infra structural Facilities

- * Conference Hall
- * Department Library
- * 06 Drawing Halls
- * Committee Room



Refrigeration & Air Conditioning



Mechanical Measurements



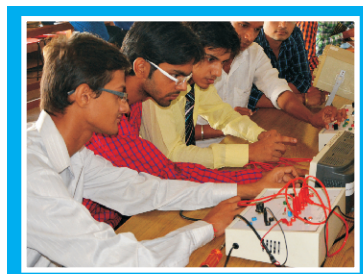
Automobile Engineering

Electronics & Communication Engineering

Department of Electronics & Communication Engineering was established in 2002 to offer B.Tech. degree course with annual intake of 40 students. This annual intake increased to 60 in 2006 and 90 in 2009.

To meet the increased demand of industry & academia, department started part-time M.Tech. degree with annual intake of 25 students in 2009 in institute's PTU Regional Center and AICTE New Delhi approved full-time M.Tech. course in 2010 with an intake of 18 students.

S.No.	Faculty Members	Designation	Qualification
1.	Dr. Vishal Sharma	Head & Associate Professor	Post Doc, Ph.D, M.Tech
2.	Dr. Rajni	Professor	Ph.D., M.E., B.Tech.
3.	Dr. Sanjeev Dewra	Associate Professor	Ph.D., M.E., B.E.
4.	Dr. Jaswinder Kaur	Associate Professor	Ph.D., M.Tech., B.Tech.
5.	Mr. Inderjeet Singh Gill	Associate Professor	Ph.D.*, M.Tech., B.E.
6.	Dr. Vikram Mutneja	Associate Professor	Ph.D., M.Tech., B.Tech.
7.	Mrs. Geeta Arora	Associate Professor	M.Tech., B.E.
8.	Dr. Amit Grover	Assistant Professor	Ph.D., M.Tech., B.Tech.
9.	Mr. Chakshu Goel	Assistant Professor	M.Tech., B.Tech.
10.	Ms. Navdeep Kaur	Assistant Professor	M.Tech., B.Tech.
11.	Dr. Vivek Soi	Assistant Professor	Ph.D., M.Tech., B.Tech.
12.	Mr. Karamjeet Singh	Assistant Professor	Ph.D. *, M.Tech., B.Tech.
13.	Ms. Ramandeep Kaur	Assistant Professor	M.Tech., B.Tech.



* Pursuing

Major Subject studied during B.Tech. Course

Third Semester

Mathematics III
Electronic Devices
Digital System Design
Electromagnetic Waves
Network Theory
4-Week Institutional Training

Fourth Semester

Analog Circuits
Microprocessors and Microcontrollers
Data Structures & Algorithms
Signals and Systems
Environmental Sciences

Fifth Semester

Analog and Digital Communication
Digital Signal Processing
Linear Integrated Circuits
Control Systems
4-Weeks Industrial Training

Sixth Semester

Wireless Communication
Computer Networks
Optical Fibers & Communication
Microwave and Antenna Engineering
Professional Elective-2
Open Elective-1
Project-I

Seventh Semester

Professional Elective-3
Professional Elective-4
Professional Elective-5
Open Elective-2
Open Elective-3
Indian Constitution
Essence of Indian Traditional Knowledge
Project-II & Report

Eighth Semester

Semester Software/Industrial
Training & Project

Major Subject studied during M.Tech. Course

First Semester

Advanced Mathematics for Engineers
Electronics System Design
Data Communication Network
Advanced Comm. Systems
Neural Network & Fuzzy Logic
Lab - I

Second Semester

Optical Communication Systems
Digital Speech & Image Processing
Information Theory and Coding
Elective - I
Elective - II
Lab - II

Third Semester

Elective - III
Elective - IV
Project
Seminar

Fourth Semester

Dissertation

Major Elective/Professional Elective Subjects

Satellite Communication
Artificial Intelligence
VLSI Design
Digital Image
and Video Processing
Robotics and Embedded systems

AC & DC Motors
Power Electronics
Internet of Things (IoT) & Cloud Computing
Wireless
Sensor Networks
Information Theory and Coding

Artificial Neural Networks
Soft Computing



Departmental Society

Society of Electronics & Communication Engineering (SELCOME)

Established in March, 2004, department is running students society with the name “Society of Electronics & Communication Engineers (SELCOME)” to promote the welfare of students by providing them a platform to enhance their overall personality by organizing technical events such as expert talks, seminars, workshops, quizzes, paper presentations, group discussion etc. The society aims at inculcating a never ending quest for knowledge in students and transforming them into dynamic and innovative personalities. On the whole, society provides opportunity to the students by providing them a platform to enhance not only their technical skills but also their managerial and inter-personal skills.

Laboratories

Digital Electronics Lab
Analog Devices and Circuit Lab
Communication Lab
Microwave Lab
Microprocessor & Microcontroller Lab

VLSI Lab
Signals & Systems Lab
Digital Signal Processing Lab
Project Lab

Graduate Attributes

Graduates of Electronics and communication Engineering are expected to have

- ☑ ability to analyze the problem, identify and formulate the computing requirements for its solution, apply knowledge of computing, mathematics, science and electrical engineering fundamentals.
- ☑ Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- ☑ Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- ☑ Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- ☑ Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- ☑ Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.
- ☑ Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- ☑ Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- ☑ Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- ☑ Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- ☑ Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- ☑ Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- ☑ Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change

Electrical Engineering

Department is producing annually world class Electrical Engineers to meet societal & industrial needs since 2003. Our graduates are known for their abilities to apply their technical knowledge in their professional life. All faculty and staff members are committed to fulfil the vision and mission of the department. The infrastructure and laboratories are upgraded from time to time with state-of-art facilities. Industrial visits, expert talks, workshops and short term courses are regular activities of the department to keep faculty and students updated.

Graduate Attributes

Graduates of Electrical Engineering are expected to have

- ☑ ability to analyze the problem, identify and formulate the computing requirements for its solution, apply knowledge of computing, mathematics, science and electrical engineering fundamentals.
- ☑ capabilities to design, implement, and evaluate the problems in the areas of electrical engineering i.e. power, control, machines, energy and Instrumentation to meet desired needs with appropriate consideration for public health & safety and environmental aspects.
- ☑ skills to design and conduct experiments, analyze and interpret data, use modern tools, skills and techniques for electrical engineering problems.
- ☑ aptitude to participate, contribute and succeed in competitive examinations and take up higher studies in leading universities in India and abroad.
- ☑ understanding of professional, legal, security, ethical, cultural and social issues and responsibilities; and ability to foresee the impact of engineering solutions on individuals, organizations and society.
- ☑ ability to communicate effectively with a variety of audiences and to function efficiently individually and in teams, including diverse and multidisciplinary manpower, to accomplish common goals.
- ☑ understanding of engineering and management principles and apply these to one's own work, as a member and a leader in a team to manage projects and to engage in continuing professional development.
- ☑ Technical Accomplishments: Demonstrate the fundamental principles, knowledge and skills to design, develop, evaluate and operate basic electrical engineering systems for the solution of problems in an economical, efficient, safe, and environmentally acceptable manner.
- ☑ Innovation and Creativity: To make graduates utilize their skills and resourcefulness to invent, design and realize novel technology; to involve in understanding and implementing new ideas in the engineering profession, research and higher studies.
- ☑ Professional Development: To promote student awareness of the life-long learning and to introduce them to professional morals and codes of professional practice.
- ☑ Communication and Teamwork: Ability to communicate effectively and to interact professionally with others at the work place and to develop team workmanship to function productively on multidisciplinary group projects.
- ☑ Ethics and Social Values: To make the students sensitive towards human, social and ethical values.

S. No.	Faculty Members	Designation	Qualification
1.	Mrs. Navneet Kaur	HOD & Asstt Professor	M.Tech., B.Tech.
2.	Ms. Anupam Mittal	Assistant Professor	Ph.D.*, M.Tech., B.Tech.
3.	Mrs. Maninder Kaur	Assistant Professor	M.Tech., B.Tech.
4.	Dr. Harinder Pal Singh	Assistant Professor	Ph.D., M.Tech., B.Tech.



Two (02) more junior faculty members

* Pursuing



Major subjects studied during B.Tech. degree

Third Semester

Engineering Mathematics-III
Electronic Devices and Circuits
Circuit Theory
Electrical Measurements & Instrumentation
Transformer and DC Machines

Fourth Semester

Microprocessor
Electrical Engineering Material
Electromagnetic Fields Theory

Fifth Semester

Asynchronous Machines
Disaster Management
Electric Generation & Economics
Power Plant Engineering
Power Electronics

Sixth Semester

Power System-I (Transmission & Distribution)
Electric Power Utilization
Sensors & Transducer
Non-Conventional Energy Sources
Synchronous Machines

Seventh Semester

Non Linear & Digital Control System
Power System-II
Human Resource Management
Extra High Voltage Alternating Current

Eighth Semester

Power System Analysis
Energy Auditing and Management
Energy Efficient Machines
Microcontroller and PLC
Project Work

Major subjects studied during M.Tech. degree

First Semester

Research Methodology
Power System Analysis and Design
Advanced Power Electronics
Advanced Electrical Machines
Digital Control System

Second Semester

Power System Operation and Control
Advanced Relaying and Protection
Modeling and Dynamics of Electrical Machines
Elective – I
Elective - II

Third Semester

Elective - III
Elective - IV
Project Seminar
Dissertation (Synopsis)

Fourth Semester

Dissertation

Elective - I

Intelligent Techniques and Applications
Industrial Drivers and Automation
Renewable Energy Resources
High Voltage Engineering and Test Techniques

Elective - II

Special Electric Machines
Microprocessor and Microcontroller
Real Time Instrumentation
Optimization Techniques

Elective - III

Energy Efficient Machines
Power System Dynamics and Stability
EHVAC and HVDC
Transmission System
Power System Transients

Elective - IV

Power System Reliability
Power System Planning
Load and Energy Management
Organization and Finance in Power Sector



Chemical Engineering

Department of Chemical Engineering was started in 1996 to cater to the requirements of chemical industry. The department has highly experienced and dedicated faculty & staff with educational background from renowned institutions in the country. The intake of the department is 15 at present. Department of Chemical Engineering endeavors to develop the competencies in the students for any challenge in their professional practice and contribute to society. Students are encouraged to take up projects, which will help them to sharpen their Chemical Engineering skills in practice.

Department is presently being headed by Dr. Balpreet Kaur Ph.D. in Chemical Engineering from Thaper Institute of Engg. & Tech (TIET) , Patiala. She is actively involved in research, expert talks and has been undertaking funded projects. He is also intensively involved in curriculum up gradations in Chemical Engineering at the university level.

Graduate Attributes

Our Graduates of Chemical Engineering are can demonstrate

- ☑ proficiency in the areas of processing, reaction engineering, transport phenomenon, dynamics and control.
- ☑ proficiency in use of basic principles of science and mathematics for solution, economic analysis and optimization of chemical engineering problems.
- ☑ the ability to visualize and work in industrial environment.
- ☑ the ability to design various types of equipments and plant.
- ☑ skills to use modern engineering tools, software and equipments.
- ☑ knowledge of professional and ethical responsibilities.
- ☑ the ability to communicate effectively in both verbal and written form.
- ☑ awareness of the environmental and contemporary issues.
- ☑ the ability to work as a team for some common cause.
- ☑ confidence for self education and ability for life-long learning.
- ☑ the ability to analyze and understand relevant data.
- ☑ preparedness to successfully compete in competitive examinations like GATE, GRE, and CAT and take up higher studies in leading universities in India and abroad.

S.No.	Faculty Members	Designation	Qualification
1.	Dr. Balpreet Kaur	Head & Associate Professor	Ph.D., M.Tech., B.Tech.
2.	Dr. Rajeev Arora	Associate Professor	Ph.D., M.E., B.E.
3.	Dr. Rajiv Kumar Garg	Professor & COE	Ph.D., M.Tech., B.Tech.
4.	Dr. Pankaj Kalra	Associate Professor	Ph.D., M.Tech., B.E.
5.	Mr. Surinder Singh	Assistant Professor	Ph.D.*, M.Tech., B.E.
6.	Dr. Amit Arora (on Lien)	Associate Professor	Ph.D., M.Tech., B.Tech.

* Pursuing



Department Society

Chemical Engineering Students Society

Established in Nov. 2000, ChESS is a student-run society being formed by the Dept. Of Chemical Engg. with an aim to promote true academic excellence in the field of Chemical Engineering, holistic growth in line with the university and national objectives, service and leadership in industry and society, and the promotion of Chemical Engineering profession. The purpose of the society is also to promote and co-ordinate the academic activities of the members of the Society and to cultivate a spirit of mutual assistance and co-operation amongst the students. The Society also aims at interacting with various Chemical industry across the country and invite eminent personalities in this field to deliver talks of technical importance.



Major subjects studied during B.Tech. degree

Third Semester

Mechanical Operations
Chemical Process Calculations
Fluid Flow
Strength of Materials
Chemical Engineering Thermodynamics

Fourth semester

Engineering Mathematics - III
Chemical Process Industries
Mass Transfer - I
Heat Transfer
Chemical Process Instrumentation
Chemical Reaction Engineering - I

Fifth Semester

Numerical Methods in Chemical Engg.
Industrial Pollution Control
Mass transfer -II
Process Dynamics and Control
Polymer Science & Engineering

Sixth Semester

Chemical Reaction Engineering-II
Optimization Techniques
Energy Engineering
Engineering Materials
Transport Phenomenon
Petroleum Refining Engineering

Seventh Semester

Software Training
Industrial Training

Eighth Semester

Chemical Process Simulation
Process Engineering & Economics
Polymer Reactor Design
Safety in Chemical Plants
HRM / TQM

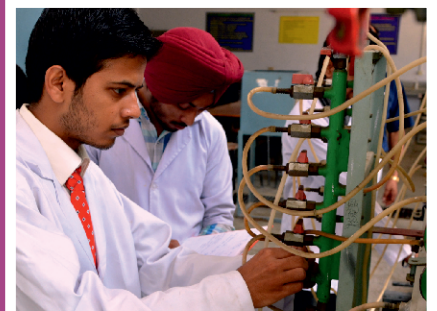
Laboratories	Major Equipment
Heat Transfer Lab	Open Pan Evaporator, Single Effect and Double Effect Evaporators, Baby Boiler, Shell & Tube Heat Exchanger, Heat Pipe Demonstrator, Pin Fin in Natural and Forced Draft, Double Pipe Heat Exchanger
Fluid Flow Lab	Centrifugal Pump, Gear Pump, Venturimeter & Orificemeter, Losses in Pipes, Losses in fittings, V-notch, Bernoulli equation verification
Mechanical Operations Lab	Fluidized Bed, Jaw Crusher, Ball Mill, Cyclone Separator, Automatic Sieve Shaker, Froth Floatation, Plate & Frame Filter Press, Batch Sedimentation
Computational Lab	22 nos PCs, Printers, ACs, LCD Projector, Softwares- MATLAB, Chem CAD
Mass Transfer Lab	Rotary drier, Natural Draught Tray drier, Sieve Tray Distillation Column, Automated Distillation Column, Packed Bed Absorption, Liquid-Liquid Extraction, Vapour Diffusivity Measurement, Batch Crystallizer, Wetted Wall Column
Chemical Technology Lab	Muffle Furnace, High Temperature Furnace, Tensile Testing m/c, Injection moulding m/c, compression moulding m/c, bomb calorimeter, 2 Roll mill, Gas Chromatograph, UV Spectrophotometer
Chemical Reaction Engg & Enviro. Engg Lab	CSTR, PFR, Cascade of CSTRs, Isothermal Semi-batch reactor, RTD in CSTR, RTD in packed bed, BOD incubator, High Volume Sampler, DO meter, Water & Soil Analysis Kit, MW Reactor
Process Instrumentation, Dynamics & Control Lab	Interacting & Non-Interacting Tanks in Series, PLC trainer, Flow Control Trainer, Cascade Control, Control Valve Characteristics, Dead Weight Pressure Tester, P&I controller, Temperature Control Trainer
Waste Management, Effluent Treatment & Recycling Lab	BET Surface Area, CHN Analyzer



Petrochemical Refining



Process Control



Chemical Reaction Setup

Civil Engineering

Department of Civil Engineering was started in the year 2011 to cater to the requirements of construction industry with an intake of 60 students. Later on the intake of the Department was increased to 120 in the year 2015. The department has highly experienced and dedicated faculty & staff with educational background from renowned institutions in the country. Department of Civil Engineering endeavors to develop the competencies in the students for any challenge in their professional practice and contribute to society. Students are encouraged to take up projects which help them to sharpen their skills practically in the field of Civil Engineering.

Department is presently being headed by Dr. Dr. Dapinder Deep Singh. He is having a keen interest in research activities including publications, funded projects, and expert talks etc.

Graduate Attributes

Our Graduates of Civil Engineering are can demonstrate

- ☑ proficiency in the areas of processing, reaction engineering, transport phenomenon, dynamics and control.
- ☑ proficiency in use of basic principles of science and mathematics for solution, economic analysis and optimization of chemical engineering problems.
- ☑ the ability to visualize and work in industrial environment.
- ☑ the ability to design various types of equipments and plant.
- ☑ skills to use modern engineering tools, software and equipments.
- ☑ knowledge of professional and ethical responsibilities.
- ☑ the ability to communicate effectively in both verbal and written form.
- ☑ awareness of the environmental and contemporary issues.
- ☑ the ability to work as a team for some common cause.
- ☑ confidence for self education and ability for life-long learning.
- ☑ the ability to analyze and understand relevant data.
- ☑ preparedness to successfully compete in competitive examinations like GATE, GRE, and CAT and take up higher studies in leading universities in India and abroad.

S. No.	Faculty Name	Designation	Qualification
1.	Dr. Dapinder Deep Singh	Assistant Professor & Head	Ph.D., M.Tech.,B.Tech.
2.	Dr. Bohar Singh	Associate Professor	Ph.D., M.Tech.,B.Tech.
3.	Dr. ParampreetKaur	Assistant Professor	Ph.D., M.Tech.,B.Tech.
4.	Dr. Gurpreet Singh	Assistant Professor	Ph.D., M.Tech.,B.Tech.



Department Society

Infratech Society of Civil Engineers

Infratech Society of Civil Engineers at Shaheed Bhagat Singh State Technical Campus, Ferozepur was started in the year 2013 with the aim to bring the students on a platform where they can share their ideas with their fellow students and Faculty. The members of the society include the undergraduate students from Department of Civil Engineering working together to help them facilitate the overall development of students pursuing Civil Engineering. ISCE provides platform to showcase and sharpen student's talents through a variety of events and activities planned throughout the year. ISCE is a blend of talented students from all fields, committed to enhance the creativity of the students and guiding everyone to zenith.



Major subjects studied during B.Tech. degree

Third Semester

Fluid Mechanics-I
Rock Mechanics & Engineering
Strength of Materials
Surveying
Building Materials & Construction

Fourth semester

Geomatics Engineering
Construction Machinery & Works Management
Design of Concrete Structures-I
Fluid Mechanics-II
Irrigation Engineering-I
Structural Analysis-I

Fifth Semester

Design of Steel Structures-I
Geotechnical Engineering
Structural Analysis-II
Transportation Engineering-I
Environmental Engineering –I

Sixth Semester

Design of Concrete Structures-II
Elements of Earthquake Engineering
Foundation Engineering
Professional Practice
Environment Engineering –II

Seventh Semester

Design of Steel Structures-II
Disaster Management
Irrigation Engineering-II
Transportation Engineering-II
Hydrology & Dams
Traffic Engineering

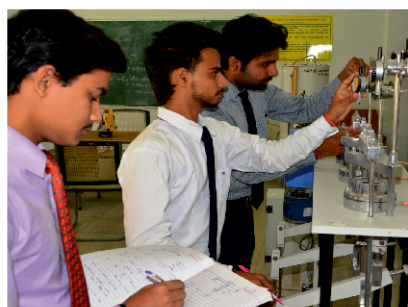
Eighth Semester

Software Training
Industrial Training

Laboratories	Major Equipment
Geotechnical Engineering Lab	Universal Automatic Compactor, Lab Permeability Apparatus, Unconfined Compression Testing Machine, Soil Cone Penetrometer, Standard Proctor Test, Lab Vane Shear Apparatus, Relative Density Apparatus, Modified Proctor Test, Direct shear test Apparatus, Dynamic cone penetration test equipment apparatus, Triaxial Test Apparatus, Standard Penetration Test Equipment, Consolidation test Apparatus, Plastic Limit Apparatus, Core Cutter, Liquid Limit Device, Electric Oven, Sieve Set (Brass Frame), Automatics sieve shaker, Electronic Balance (i) Capacity 300gm x 0.01gm (ii) Capacity 3kg x 0.1gm (iii) Capacity 10kg x 0.5gm (iv) Capacity 20kg x 1gm
Fluid Flow Lab	Centrifugal Pump, Gear Pump, Venturimeter & Orificemeter, Losses in Pipes, Losses in fittings, V-notch, Bernoulli equation verification
Concrete Technology Lab	Concrete Mixer Pan Type, Flexure Testing Machine, Automatic Mortar Mixer, Vibrating Table, Flow Table (Concrete), Vee Bee Apparatus, Compression Testing Machine, Cement Moulds, Concrete Moulds, Vibration Machine, Vicat apparatus, Compaction factor apparatus, Slump test Apparatus, Ultra Sonic Pulse velocity test Apparatus, Density Basket
Transportation Engineering Lab.	Digital Benkelman Beam Test Equipment, Impact Value Test Equipment, Universal Penetrometer, Digital Ductility Apparatus, California Bearing ration machine, Ring and Ball Apparatus, Abrasion Value Test Equipment, Bitumen Extractor, Length Gauge, Sieve Set G.I. Frame 01 set (39nos), Thickness Gauge, Flash and Fire Point, Marshall Stability Test Apparatus
Strength of Materials Lab.	Rockwell Hardness Test, Impact Testing Machine, Spring Testing Machine, Torsion testing machine, Universal Testing Machine
Survey Lab	Fibre Tap 20 m long, Fibre Tap 30 m long, Steel tap 30 m Long, Survey Chain 20 m, Survey chain 30 m, Ranging Rod (Diameter 25mm, length 2 m long), Ranging Rod (Diameter 25mm, length 3 m long), Pedometer, Survey Compass, Pocket Altimeter, Telescopic Alidade, Nautical Sextant, Box sextant, Steel band (30 m long), Steel band (20 m long), Dumpy level, Lifting level, Plain Table, Prismatic compass, Telescopic levelling staff (04 m long), Telescopic levelling staff (03m long), Cross Staff, Prim Square, Octagonal Cross Staff, Hand level, Tangent Clinometers, Ghat Tracer, Vernier Transit Theodolite, Abney level, Auto level, Clinometers, Magnetic compass, Pantagraph, Line ranger, Total Station, Digital Planimeter, Electronic Theodolite
Structure Analysis Lab	Clark Maxwell Reciprocal Theorem Apparatus, Apparatus to verify plastic properties of Different Beam, Continuous Beam Apparatus, Behavior of Column and struts apparatus, Three Hinged Arch Apparatus, Two Hinged Arch apparatus, Deflections Truss apparatus, Redundant Joint Apparatus, Curved member Apparatus, Unsymmetrical Bending apparatus
CAD Lab.	50 nos PCs, Printers, ACs, LCD Projector, Softwares- STAAD-PRO, AUTO CAD
Environmental Engineering Lab	Muffle Furnace, BOD incubator, High Volume Sampler, DO meter, Water Analysis Kit, Water distillation apparatus



Understanding Structural Engineering



Material Testing



Concrete Testing

Master of Computer Applications

Department of Computer Application was established in year 2010 with an objective to enhance quality of professional education in the area of Information Technology. Faculty of the department is highly dedicated for all-around development of students to suit requirements of IT Industry of the country. Students take full advantage of state-of-the-art laboratory facilities. The Department of Computer Applications has been maintaining Exemplary academic record consistently. The Computer Application has been responsible for imparting quality education in various fields of Computer Application Advance DBMS, Big Data, Network Security, Cloud Computing, Digital Image Processing and to equip students with sound knowledge in the business management for nurturing their managerial Leadership and problem solving and other latest research oriented topics. We are also conducting Doctoral Research work in the Computer Applications Department. The notable asset of our Department is its highly motivated, technically qualified and well experienced faculty. Following are the specific objectives of this department:

1. To teach Computer Applications courses at UG, PG levels.
2. To train manpower with a view to protect environment and optimal utilization of Management Skills & IT applications.

Major subjects studied during MCA

First Semester

Information Management
Object Oriented Programming in C++
Computer Organization and Assembly Language
Accounting & Financial Management
Technical Communication

Second Semester

Mathematical Foundations of Computer Science
RDBMS
Data Structures
Data Communication and Networks
Linux Operating System

Third Semester

Database Administration
Computer Based Opt Techniques
Software Engineering
Java Programming
System Programming (Elective)

Fourth Semester

Data Warehousing & Mining
E- Commerce & Web Application Development
Interactive Computer Graphics
Advanced Operating Systems

Fifth Semester

Embedded Systems
Network Security & Admin
Web Technology
OOAD with UML

Sixth Semester

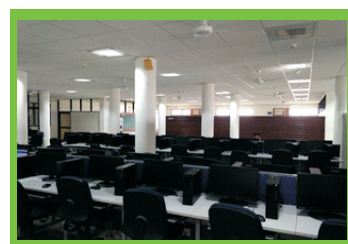
Industrial Training

MCA Faculty

S. No.	Faculty Members	Designation	Qualification
1.	Mr. Anil Bansal	Associate Professor	MCA, MBA
2.	Dr. Gulshan Kr. Ahuja	Assistant Professor	Ph.D, MCA,M.Tech(CSE)
3.	Ms. Bindu Bala	Associate Professor	*Ph.D.,MCA,M.Tech
4.	Ms. Nisha Gupta	Assistant Professor	*Ph.D., MCA,M.S. Software Systems
5.	Mr. Amardeep Chopra	Assistant Professor	*Ph.D.Computer Applications

Three (03) more junior faculty members

* Pursuing



Applied Science & Humanities

The Department of Applied Sciences & Humanities comprises of Applied Physics, Applied Chemistry, Applied Mathematics and Humanities sections. It contributes by teaching basic sciences, common to almost courses all courses running in various departments, during first year studies.

Highly qualified faculty inculcates and pursues the true spirit of Research & Development in Engineering Graduates, Science Post Graduates and Doctoral students. Department is responsible for strong fundamentals of tomorrow's technocrats.

Common UG Subjects

First Semester

- Engineering Physics
- Engineering Mathematics-I
- Communicative English
- Basic Electrical & Electronics Engg.
- Human Values and Professional Ethics

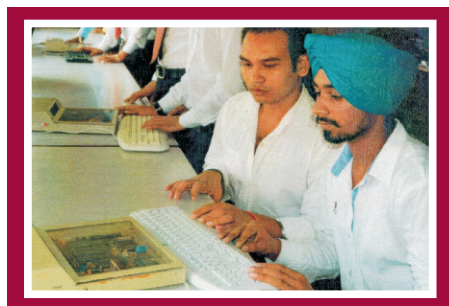
Second semester

- Engineering Chemistry
- Engineering Mathematics-I
- Elements of Mechanical Engg.
- Fundamentals of Computer Programming and IT
- Environmental Science

S. No.	Faculty Members	Designation	Qualification
1.	Dr. Kiranjeet Kaur	HOD & Professor	Ph.D., MA, MBA
2.	Dr. Lalit Sharma	Professor	PostDoc, Ph.D., M.Sc.
3.	Dr. R. P. Singh	Professor	Ph.D., MBA
4.	Dr. Kulbhushan Agnihotri	Associate Professor	Ph.D., M.Phil., M.Sc., B.Ed.
6.	Dr. Rakesh Kumar	Associate Professor	Ph.D., M.Phil., M.Sc., B.Ed.
7.	Mr. K. Sunil Behal	Assistant Professor	Ph.D.*, M.Sc. UGC NET

Four (04) more junior faculty members

* Pursuing



Polytechnic Wing

Polytechnic Wing has established by the Government of Punjab in the year of 2009 under the NABARD scheme in the existing campus of SBSSU with an objective to encourage technical education among rural youth of this border region and to accelerate the development process of the State in general. Polytechnic Wing is running 3-Year Diploma courses in (1) Mechanical Engineering, (2) Computer Science and Engineering, (3) Electronics & Communication Engineering, and (4) Electrical Engineering.

Polytechnic Wing is affiliated to Punjab State Board of Technical Education & Industrial Training (PSBTE & IT) and its all courses are recognized by AICTE, New Delhi.

S. No.	Faculty Members	Designation	Qualification	Department
1.	Dr. Sanjeev Dewra	Principal	Ph.D., M.Tech., BE	ECE
2.	Mr. Gobind	Lecturer	Ph.D*, MBA, M.Tech., B.Tech.	ME
3.	Mr. Retaish uppal	Lecturer	Ph.D*, M.Tech., B.Tech.	ME
4.	Mr. Rahul Chopra	Lecturer	M.Tech., B.Tech.	ME
5.	Dr. Kamal Khanna	Lecturer	Ph.D., M.Tech., B.Tech.	ME
6.	Mr. Rahul Sharma	Lecturer	M.Tech., B.Tech.	EE
7.	Mr. Rajesh Kumar	Lecturer	M.Tech., B.Tech.	EE
8.	Mr. Gurjeevan Singh	Lecturer	Ph.D*, M.Tech., B.Tech.	ECE
9.	Mr. Ajay Kumar	Lecturer	Ph.D*, M.Tech., B.Tech.	ECE
10.	Mr. Manpreet Singh	Lecturer	Ph.D*, M.Tech., B.Tech.	ECE
11.	Ms. Richa Sawhney	Lecturer	Ph.D*, M.Tech., B.Tech.	CSE
12.	Mr. Rajnish Kumar	Lecturer	Ph.D*, M.Sc. (Maths), UGC	MATH
13.	Mr. Chetan Batra	Lecturer	M.Tech., B.Tech.	CSE
14.	Ms. Anuradha Rani	Lecturer	Ph.D.*, M.Tech.,	CSE

* Pursuing



Student Activities

An Engineer can never be successful, if his/her focus is only on studies. Rather he/she must have a well groomed persona with multi-dimensionally developed skills in its armory. Keeping this in view, institute has created numerous platforms where students are given chance to plan, organize, coordinate, manage and participate various events for themselves. Major platforms include:

Society for Extra Curricular Activities (SECA) gives abundant opportunities to develop their interpersonal skills and explore their creativity and innovation. SECA organizes annual cultural-fest *Jashan* for all-round personality development of students.

Indian Society for Technical Education (ISTE) contributes in the production and development of top quality professional engineers needed by the industries and society. ISTE Student Chapter organizes annual national level technical-fests with the name of *Techno-Opus*. These fests motivate students to expose their hidden talents and encourage them to polish their professional skills & ideas.

National Service Scheme (NSS) arouses social consciousness amongst students and provide them opportunity to work for their society. This teaches essence of democratic living and upholds the need for selfless service and appreciation of the other man's point of view. Institute's both NSS units regularly organize cleanliness drives, tree-plantation & blood-donation camps, seminars and educational trips to fulfill the mission of NSS.

National Cadet Corps (NCC) enhances confidence levels, patriotic feelings and lays a sound foundation for interested students to enter into the field of defense services. Institute has two boys and a girls platoon being run by 13 Punjab Battalion.

Industry-Institute Interaction Cell (IIIC) promotes faculty members & students to visit industries to get technological information from the horse's mouth. It also helps us in recognizing industrial problems which can be handled by the institute workforce and refine our course curriculum as per industrial needs.

Departmental Societies are very effective units responsible for all-round development of the students established by respective departments. These societies encourage students to plan and execute technical & non-technical activities, like project demonstrations, written & oral quizzes, mock-interviews, expert talks, and career guidance seminars, etc. for the student of the department. Followings are the names of departmental societies:

S. No.	Department	Society Name
1.	CSE	CompuWave
2.	ME	Society For Mechanical Engineers (SFME)
3.	ECE	Society for Electronics & Comm. Engineers (SELCOME)
4.	EE	Society for Electrical Engineers (SEE)
5.	CE	InfraTech Society of Civil Engineering
6.	CHE	Chemical Engineering Students' Society (CHESS)
7.	MBA & MCA	Computer Applications & Management Society (CAMS)
8.	Polytechnic Wing	Association of Revolutionary Engineering Bees (AREB)

25

Our Major Recruiters



Tap right potential at right times

Shaheed Bhagat Singh State University

Moga Road (NH-05), Ferozepur-152004 (PB)

Dr. S. Mittal	Dr. Gazal Preet Arneja	Dr. Vishal Sharma	Mr. Inderjeet Singh Gill	Dr. Retaish Uppal
Hon'ble Vice Chancellor	registrar@sbsstc.ac.in	tpo@sbsstc.ac.in	tpo@sbsstc.ac.in	tpo@sbsstc.ac.in
	+91-82880-12050	+91-82880-12041	+91-98159-30650	+91-90415-03355