



# SHAHEED BHAGAT SINGH COLLEGE OF ENGINEERING & TECHNOLOGY

(Polytechnic Wing)

Moga Road, Ferozepur – 152 004

(Established by the Punjab Government)

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## **POLYTECHNIC WING**

### **I. INTRODUCTION**

The Government of Punjab has established a new Polytechnic Wing in the year of 2009 in the existing campus of SBSCET with an objective to make optimal utilization of existing available resources and to accelerate the development process of the State in general and this border region in particular.

The new building for Polytechnic Wing has been established in the college campus and will be handed over to the college very soon. The Polytechnic Wing is affiliated to Punjab State Board of Technical Education & Industrial Training (PSBTE & IT) and follows the semester system of education. The academic year is divided into two semesters, July to December and January to June. Board examinations are held at the end of each semester. The examination schedule, eligibility to appear in the examination etc. are prescribed by the Board. All the branches of Polytechnic Wing are recognised by AICTE, New Delhi.

At present Polytechnic Wing offers 3 years Diploma level programmes in Computer Engineering (60), Electronics & Communication Engineering (120), Electrical Engineering (60) and Mechanical Engineering (120) disciplines with total sanctioned intake of 360 as per detail given below:--

Name of 3 – years Diploma Programme	Sanctioned Intake	
	1 <sup>st</sup> year	2 <sup>nd</sup> year LEET
Computer Engineering	60	12
Electronics & Comm Engineering	120	24
Electrical Engineering	60	12
Mechanical Engineering	120	24
<b>Total</b>	<b>360</b>	<b>72</b>

## **II. PUNJAB STATE BOARD OF TECHNICAL EDUCATION & INDUSTRIAL TRAINING, CHANDIGARH**

The Punjab State Board of Technical Education & Industrial Training is an autonomous statutory authority created under “The Punjab State Board of Technical Education & Industrial Training 1992 Act” for regulating and controlling academic standards in Institutes of Technical Education and for making admissions & conducting examinations in Polytechnics and Industrial Training Institutes. The address of State Board is “Punjab State Board of Technical Education. Plot No.1, Sector -36 A, Chandigarh” and website is “[www.punjabteched.com](http://www.punjabteched.com)” / “[www.punjabteched.net](http://www.punjabteched.net)”.

The Board is carrying out the following major activities: -

1. Admission.
2. Registration of students.
3. Conduct of Examination.
4. Certification of the pass out students.
5. Revision of Curricula.

### **III. ADMISSION IN FIRST YEAR DIPLOMA**

#### **1. ADMISSION PROCEDURE:--**

The JET 2011 was conducted on 15<sup>th</sup> May, 2011 and the result was declared on 22<sup>nd</sup> May, 2011. Candidates who qualify the JET shall be eligible to apply for admission to various courses. All candidates desirous of applying for admission shall be required to register on the counseling websites to participate in the online counseling.

#### **2. ELIGIBILITY FOR ADMISSION:--**

1. The candidate must have passed the Matriculation examination or equivalent examination in Mathematics, Science (Physics, Chemistry & Biology) and English from any recognized Board. Apart from the above basic education qualifications, the general eligibility criteria shall be as contained in Punjab Government, Department of Technical Education and Industrial Training Notification No. 13/2/2010-1TE-2/68 dated 06/01/2011, which can be seen in Part-IV of the JET-2011 Prospectus.

2. There shall be cut-off marks for qualifying in the JET-2011 as under: 10% of total JET marks for General and other categories and 5% of total JET marks for SC/ST category candidates.

3. There is no lower or upper age limit for admission.

4. Admission of candidates, who fulfill all other conditions for admission, shall be effected on the basis of the relative merit in Joint Entrance Test, subject to reservation of seats as per policy of Government.

#### **3. PROCEDURE FOR ON-LINE COUNSELING**

National Informatics Centers (NIC), New Delhi has been entrusted to accomplish the task of Software development, testing and implementation of Web based ON-LINE OFF CAMPUS counseling for admissions to all AICTE approved technical diploma level courses being run in all technical institutions in the State.

#### **4. STATE WISE ALLOCATION OF SEATS:**

85% seats will be reserved for the candidates from within the State and 15% will be open to candidates from other states. The eligibility criteria for 85% seats will be that the candidate must be a resident of Punjab State in terms of Punjab Govt. Department of Personnel and Administrative Reforms (PP-I Br.) letter No. 1/395-3PP1/9619 dated the 6th June 1996 and letter No. 1/3/95-PP-II/81 dated the 1st January, 1999 and should have passed qualifying examination from any recognized Board/University.

In case, the residence certificate is found at any stage to be false or incorrect, the admission against Punjab quota shall be liable to be cancelled, without prejudice to any criminal proceedings that may be initiated. Furthermore, the fees or any other amount paid, including advance or security, shall be automatically treated as forfeited.

## **5. RESERVATION:**

The reservation of seats shall be as per Punjab Government, Department of Technical Education and Industrial Training Memo. No. 13/2/05-ITE2/469 dated 20th February, 2006, which is available in Part-IV of the Prospectus (JET-2011).

A candidate shall be eligible to make claim for reservation under one reserved category only. However, the procedure for counseling/ allotment of courses and/ or institutes shall be such that if a candidate is getting a course/ institution higher in his/ her order of preference, as a general candidate, he/ she shall be so regarded, notwithstanding his/ her claim as a reserved category candidate. The seat under the reserved category shall then be offered to the candidates in that very reserved category.

Candidates opting for different reserved categories must attach photocopy of the certificate as proof thereof along with Admission Form. The certificates must be in the format approved by the Government. Specimens of some of the Certificates are given in Part-IV of this prospectus (JET-2011).

Candidates must also bring original certificates as proof of their claim at the time of counseling. Certificate to be produced by a candidate belonging to Backward Class of Punjab in support of his/her claim under this category must not be dated earlier than one year before the first day of the counseling for admission. A certificate more than one year before the counseling date shall not be valid. All certificates for reserved categories must have been issued on or before the last date for reporting at the institute.

## **6. TIME LIMIT FOR COMPLETION OF DIPLOMA COURSE:**

The maximum permissible time limit for completion of diploma course is twice the duration of the diploma course i.e. 6 years in case of 3-year course, 8 years in case of 4-year course etc. A student who has not cleared 1st semester papers shall not be permitted to appear in the papers of 5th semester and similarly a student who has not cleared 2nd semester papers shall not be permitted to appear in the papers of 6th semester.

## **7. REFUND OF FEES:**

In the event of a student/candidate surrendering the seat before starting of the course, the entire fee collected from the student after a deduction of the processing fee of not more than Rs. 1000/- shall be refunded. However if a student leaves after joining the course and the seat consequently falls vacant is filled by another candidate by the last date of admission, the fee shall be refunded after making proportionate deductions of fee and hostel rent (where applicable).

The request for refund of fee should be made to the Board as well as to the concerned institute within 30 days of the end of counseling through online submission of the application in the counseling website.

## **IV. ADMISSION IN SECOND YEAR DIPLOMA (THROUGH LATERAL ENTRY – LEET)**

In addition to this in each of the regular course twenty percent (20%) seats are also available for ITI / 10+2 (Science) / 10+2 (Vocational) passed students in the second year of course through lateral entry. A number of seats in each course is limited to the twenty percent of the sanctioned intake plus number of vacant seats (if any) after first year. The admission of lateral entry students are normally made in the month of June every year by Punjab State Board of Technical Education & Industrial Training on the basis of merit.

It is important to note that the students having passed one year certificate course from recognized ITI can take admission in any of the diploma course through lateral entry.

### **1. Eligibility Criteria**

All those candidates who have passed the following examinations would be eligible for consideration for Lateral Entry 2011-12 in various diploma courses:

a) i) 12th Science with Vocational/Technical OR 10th + (2 years ITI) Students passing 12th Science with Vocational/ Technical subjects or 10th + (2 years ITI) in that order shall be eligible for admission to second year Diploma Courses of appropriate program upto a maximum of 20% of sanctioned intake.

b) Provided however if seats remained vacant then the same will be filled on the basis of inter-se-merit as per the below mentioned eligibility criteria:

i) ITI at least with one year (who passed 10th level School Leaving Examination before admission to ITI courses) from any Institution of Punjab/ Other state.

ii) 10+2 vocational examination in various branches from any institute of Punjab/ Other State.

iii) 10+2 with science from any institute of Punjab / Other state.

iv) Two years certificate course from Sant Longowal Institute of Engineering and Technology, Longowal and have Punjab Domicile.

**Candidates must bring the following certificates at the time of admission (reporting to the institute) :**

1. Original Certificates:

- Qualifying Examination Detail Marks Sheet
- Matriculation Certificates (Date of Birth)
- Character Certificate from institutions last attended
- Proof of Residence/Domicile Certificate
- Certificate in support of claim under reserved category

○ **Candidates who fail to produce the requisite documents will not be admitted.**

2. Attested copies of above certificates.

3. One recent stamp size photograph.

## **2. Number of Seats:**

<b>Name of the Diploma Programme</b>	<b>Number of seats in 2<sup>nd</sup> year LEET</b>
Computer Engineering	12
Electronics & Comm Engineering	24
Electrical Engineering	12
Mechanical Engineering	24
<b>Total</b>	<b>72</b>

## **3. REFUND OF FEES:**

In the event of a student/candidate surrendering the seat before starting of the course, the entire fee collected from the student after a deduction of the processing fee of not more than Rs. 1000/- shall be refunded. However if a student leaves after joining the course and the seat consequently falls vacant is filled by another candidate by the last date of admission, the fee shall be refunded after making proportionate deductions of fee and hostel rent (where applicable).

The request for refund of fee should be made to the Board as well as to the concerned institute within 30 days of the end of counseling through online submission of the application in the counseling website.

## **V. POLYTECHNIC WING FACULTY AND STAFF**

**Mr. Gazal Preet Arneja**

**Faculty Incharge – Polytechnic Wing**

M.Tech (Indl.) PTU, Jalandhar

MBA (Oper Mgnt) IGNOU New Delhi

B Tech (Indl.) GNDU, Amritsar

### **Department of Mechanical Engineering**

Mr.Gobind

Deptt. Incharge & Lecturer

MBA (Marketing) PTU, Jalandhar

B.Tech (ME) PTU, Jalandhar

Mr.Ritesh Uppal

Lecturer

B.Tech (ME) PTU, Jalandhar

Mr.Kamal Khanna

Lecturer

B.Tech (ME) PTU, Jalandhar

Mr.Rahul Chopra

Lecturer

B.Tech (ME) PTU, Jalandhar

### **Department of Computer Engineering**

Mrs. Anuradha Rani

Deptt. Incharge & Lecturer

M.Tech(CSE) Pbi. Uni. Patiala

B.Tech (CSE) PTU, Jalandhar

Mrs. Richa Sawhney

Lecturer

B.Tech (CSE) PTU, Jalandhar

### **Department of Electrical Engineering**

Mr. Rahul Sharma

Deptt. Incharge & Lecturer

B.Tech(EE)PTU, Jalandhar

Mr. Rakesh Singla

Lecturer

B.Tech(EE)PTU, Jalandhar

### **Department of Electronics & Communication Engg.**

Mr. Gurjeevan Singh

Deptt. Incharge & Lecturer

B.Tech(ECE)PTU, Jalandhar

Mr. Ajay Singla

Lecturer

B.Tech(ECE)PTU, Jalandhar

Mr. Manpreet Singh

Lecturer

B.Tech(ECE)PTU, Jalandhar

### **Department of Applied Science & Humanities**

Mr. Rajnish Kumar

Deptt. Incharge & Lecturer

M.Sc. (Maths) P.U. Chd.

## VI. FEE STRUCTURE

Fee structure of 1<sup>st</sup> Semester Diploma students [2011 batch]

<b>A</b>	<b>Tuition Fee</b>	
i)	Tuition Fee (half yearly)	11000
<b>B</b>	<b>Yearly Fee (Development &amp; Student Activities Fund)</b>	
i)	Development Fund (yearly)	2,750
ii)	Student Activities Fund (yearly)	1,875
<b>C</b>	<b>Hostel Related Fee</b>	
	Room Rent per student	
i)	Single Accommodation	---
	Three Seater Accommodation	1,800
ii)	Other Charges (water supply, fan rent, Electricity charges & Securities charges)	300
iii)	Hostel Maintenance Fund & Hostel Mess Establishment charges	300
iv)	Mess Equipment & Utensil Fee	50
<b>D</b>	<b>Miscellaneous Fund</b>	
i)	Maintenance of Computer Centre and internet charges	500
ii)	Student Exigency Fund	250
iii)	Power back-up charges	250
iv)	Training and Placement charges	500
v)	Refundable Security (one time)	500
vi)	College Information Brochure Fee	200
<b>E</b>	<b>Board's Charges (to be remitted to the Board)</b>	
i)	Registration Charges (One Time)	100
ii)	House Examination stationary charges (yearly)	100
iii)	Regular Examination Fee (Rs.400/-) + Examination Form Fee (Rs.50/-)	450
	<b>TOTAL FEE (Triple Seater)</b>	<b>Rs.20,925/-</b>
	<b>TOTAL FEE (Day Scholar)</b>	<b>Rs.19,125/-</b>

## **VII. SOCIETIES OF POLYTECHNIC WING:--**

These societies help the Diploma students to give them abundant opportunities to develop their inter-personal skills and explore their creativity. Students are given a chance to organize, co-ordinate and manage the events, so that they can have ability to solve the problem for achieving a goal not just mere participation.

### **CO-CURRICULAR ACTIVITIES**

**AGNEE – THE SPARK** – (Association of Global Novice Electrical Engineers) was established on 26 April 2009 with the aim to give the student a platform of extra co-curricular activities the society organizes various events like quiz competitions, technical seminars and trip to various sites. The society always helps the student to become a perfect electrical engineer. The events organized by the society are under the guidance of electrical department teachers.

**ACES** – (Association of Computer Engineering Students) were also established in 26 April 2011. The society aim is transform its members into perspicacious and innovative individuals besides improving their logical skills. This society updates its every member with the new technology in the field of computer science and engineering the society organizes regular group discussions debates and co-curricular activities which help students in over all personality as individual.

**ACME** – (Association of Cypress Mechanical Engineers) keeping in sight the need of technocrats was established on 26 April 2011 to ensure that all around development of budding engineers. To keep up the pace with the advancing world the society had organized quiz competition debates technical competition also the society organized a field trip to technical institution to keep the students aware of qualities needed to exceed in their respective field.

**ACHIEVERS** – (Association of Creative Heads in Electronic Vision Engineering) It aims at raising the intellect of its electronics students at a creative as well as moral level . it started functioning on 26<sup>th</sup> April 2011 and since then has already been involved in organizing the cultural fest '**VIRSA**' 11. We also aim at providing our student with a n up to date knowledge of the subject by the method of seminars projects works and workshops. Our society is governed by our esteemed faculty in charge who is keenly interested in taking the meaning of electronics and creativity to a whole new level.

### **EXTRA CURRICULAR ACTIVITIES**

**AREB** – (ASSOCIATION OF REVOLUTIONARY ENGINEERING BEES) For a student it is essential to have well groomed personality with multi dimensional developed skills in his armory. Keeping this in view the college has given its students given a platform AREB to give them opportunities to build their personality so that they can

stand in front of the world to beat them. Student are given chance to plan co-ordinate among students and manage the event themselves which help In developing skills in which are developed only with experience.

## **VIII. Detail of students admitted under Fee Waiver Scheme**

- a) List of students admitted under Fee Waiver Scheme during session 2009-10 is enclosed at Annex – A
- b) List of students admitted under Fee Waiver Scheme during session 2010-11 is enclosed at Annex – B

## **IX. Detail of beneficiary students who got Scholarships from State Board: ---**

- a) List of student beneficiary who got Scholarship grant of Rs.12,000/- from State Board during session 2010-11 – Annex C
- b) List of students beneficiaries under Books Grants during session 2009-10 on the basis of their awards in 1<sup>st</sup> Sem (Dec 2009 Exams) – Annex D
- c) List of students beneficiaries under Books Grants during session 2010-11 on the basis of their awards in 2<sup>nd</sup> Sem (May 2010 Exams) – Annex E

## ANNEXURE – A

### LIST OF TOTAL STUDENTS ADMITTED UNDER FEE WAIVER SCHEME (2010-11)

<b>Sr</b>	<b>Name</b>	<b>Father's Name</b>	<b>Date of Birth</b>	<b>JET Rank</b>	<b>Branch Allotted</b>
1	ARJUN SINGH THAKUR	HARI SINGH THAKUR	21.10.1994	6671	Comp Engg
2	JASHANDEEP KAUR	RAJWANT SINGH	20.10.1994	30968	Comp Engg
3	MANDEEP KAUR	KULDEEP SINGH	05.09.1994	1467	Comp Engg
4	SAHIL SHARMA	RAMESH KUMAR	16.06.1995	14487	Comp Engg
5	VISHAL	VINOD KUMAR	05.12.1991	14089	Comp Engg
6	AKHIL CHATRATH	SURINDER KUMAR	13.12.1993	6417	ECE
7	AYUSH GUMBER	PREM BHUSHAN GUMBER	26.04.1994	6261	ECE
8	NISHA	RAJ KUMAR	15.02.1995	4778	ECE
9	PARMINDER PAL SINGH	VIRSA SINGH	17.01.1994	6712	ECE
10	RAHUL SHARMA	RAMESH KUMAR SHARMA	25.01.1994	3428	ECE
11	SUMAN MAURYA	DEENA NATH MAURYA	09.12.1992	5276	ECE
12	AMANDEEP SINGH	DALBIR SINGH	20.10.1994	7873	Mech Engg
13	KUNAL KATARIA	KULDEEP SINGH	14.02.1995	920	Mech Engg
14	NAMAN KATHURIA	JAGAT RAM KATHURIA	14.08.1991	2079	Mech Engg
15	PARAS KATHPAL	PARSHOTAM LAL KATHPAL	17.12.1994	7523	Mech Engg
16	RAVINDER PAL SINGH	RAGHBIR CHAND	02.09.1993	4659	Mech Engg
17	SHAHEEN BHARDWAJ	SHIVINDER KUMAR	26.11.1993	2660	Mech Engg
18	VIKAS	VIJAY KUMAR	26.09.1994	3228	Mech Engg

## ANNEXURE – B

### LIST OF TOTAL STUDENTS ADMITTED UNDER FEE WAIVER SCHEME (2009-10)

Sr No	Name	Father's Name	Date of Birth	Basis of Admission	Matric % age	Branch
1	Gurpal Singh	Kikar Singh	09-08-1992	Matric	65	Comp Engg
2	Mandeep Singh	Sohan Singh	13-10-1987	Matric	41.05	Comp Engg
3	Rajinder Kaur	Mehal Singh	01-06-1993	JET	58	Comp Engg
4	Ranbeer Singh	Lakhbir Singh	01-04-1992	Matric	67	Comp Engg
5	Saroj Rani	Makhan Singh	20-12-1992	JET	62	Comp Engg
6	Simran Machhral	Vikas Machhral	27-10-1992	JET	37.2	Comp Engg
7	Akshay Sharma	Ashok Kumar	26-09-1993	JET	59.69	ECE
8	Gurpreet Singh	Kuldeep Singh	22-04-1993	JET	50	ECE
9	Rajwinder Singh	Gurbachan Singh	03-11-1990	Matric	59	ECE
10	Rohit Kumar	Deen Dayal	30-11-1990	Matric	52	ECE
11	Samant Sharma	Ajay Kumar Sharma	16-01-1994	JET	67.29	ECE
12	Suman	Ashok Kumar	19-11-1991	Matric	67	ECE
13	Dharminder Verma	Rati Pal Verma	01-11-1993	Matric	64.1	Mech Engg
14	Hardarshan Singh	Jaspal Singh	13-11-1991	JET	67	Mech Engg
15	Lovepreet Sharma	Bhupinder Kumar	25-08-1992	JET	62.46	Mech Engg
16	Maninder Singh	Sukhdev singh	16-12-1992	JET	75	Mech Engg
17	Pardeep Singh	Shamsher singh	24-02-1992	JET	75	Mech Engg
18	Rajkaran Singh	Dullar singh	16-05-1995	JET	55	Mech Engg

## ANNEXURE - C

**List of student beneficiary who got Scholarship grant of Rs.12,000/-  
from State Board during session 2010-11**

Sr No	Registration No	Name	Father's Name	Present Semester	Branch
1	100716106015	SACHIN LUTHRA	BALDEV RAJ LUTHRA	2 <sup>nd</sup>	ECE

## ANNEXURE - D

**List of students beneficiaries under Books Grants during session 2009-10 on the basis of their awards in 1<sup>st</sup> Sem (Dec 2009 Exams)**

Sr No	Registration No	Name	Father's Name	Present Semester	Branch
1	009715312511	Tushar Bassi	Ranjan Kant Bassi	4 <sup>th</sup>	ME
2	009715312500	Rahul Rajput	Bhanupratap	4 <sup>th</sup>	ME
3	009716105693	Aakash Deep Dhawan	Arun Kumar Dhawan	4 <sup>th</sup>	ECE
4	009716115179	Abhishek Kumar Pandey	Narvdeswar Pandey	4 <sup>th</sup>	ECE
5	009716217636	Kanwarpal Singh	Manjit Singh	4 <sup>th</sup>	Comp Engg

## ANNEXURE - E

**List of students beneficiaries under Books Grants during session 2010-11 on the basis of their awards in 2<sup>nd</sup> Sem (May 2010 Exams)**

Sr No	Registration No	Name	Father's Name	Present Semester	Branch
1	009716217627	Gurpreet Singh	Avtar Singh	4 <sup>th</sup>	Comp Engg
2	009715312511	Tushar Bassi	Ranjan Kant Bassi	4 <sup>th</sup>	ME
3	009715312500	Rahul Rajput	Bhanupratap	4 <sup>th</sup>	ME