

# **Shaheed Bhagat Singh State Technical Campus, Ferozepur**

Progress Report-2012-13

**THE INSTITUTE** has witnessed an all round growth in all its curricular, co-curricular and Extra-curricular activities viz. Teaching, Research, Placements. Some of the major achievements are given below:

## **I Innovations**

This Institute was established in the year 1995 by Govt. of Punjab as an Autonomous body registered under the Societies Act. The Institute has a well-planned lush green campus spreads over 98 acres in a pollution free environment. It was started with intake of 240 students, which was subsequently increased to 350 students. This Institute has made a number of innovations in the field of Technical Education. It offers programmes in Engineering, Sciences and Management both at the undergraduate and at the postgraduate levels. It also offers 3 years diploma level programmes.

Up to the year 2010, the annual intake of students was 350. However, now the total intake of the students has been increased from 350 to 1200 students. Now the Institute is running 5 Diploma courses, 6 B.Tech courses, 5 M.Tech and Ph.D courses, MBA, MCA, and BSc (IT) courses.

Last year, the Institute has also started Part Time B.Tech Programme under the IGNOU for working officials of PSEB, PWD, Public Health and Industry.

The Institute is running Super-50 programme of PTU Jalandhar, in which free education, coaching, boarding and lodging facilities are given to 10+2 students.

Now, the institute is planning to start B.Tech. courses in the 2<sup>nd</sup> Shift.

## **II Students and Placement**

High ranking students of AIEEE examination join the Institute every year. The Institute has a large number of girls on its rolls and they perform extremely well. The admission process of the Institute is completely transparent and merit is the only criteria for admission to the Institute. The Institute does not have even a single seat in Management Quota.

The placements record of our institute has become impressive over the years. The Institute has successfully organized job fests in the year 2010, 2011 and 2012 for all the State Managed Engineering Institutes of Punjab.

Companies like INFOSYS; Pro India Group, Noida; Absolute Sports Pvt. Ltd.; Piford Technologies; Betasoft and Unit Nexus have visited the campus for placement after September 2012 and about 55 students were placed in these companies and various companies like Enbake Consulting, Escorts Faridabad (Nuts & Bolts Division), Escorts Faridabad (Tractor Division), Grundfos-Chennai, Nestle India Ltd., MAX India Ltd., Sonalika Tractors, Vibe Tech Solutions etc have scheduled their visit for campus placement in the month of June-July 2013.

This is the only Institute among the State Managed Engineering College in Punjab which has organized 4 job fests during the last three years. More than 300 students were placed in these job fests. Further, consistent efforts are being made for placement of those who will be graduating in 2013. Our students are getting placed in reputed firms/companies with pay packages ranging from 3 lakhs to 5 lakhs per annum.

Our prime consideration has been to prepare young men and women to act as leaders for the promotion of the economic, social and industrial development of

the country. We feel proud when we find that a large number of our alumni have made names for themselves and contributed significantly by setting up industries, software companies and other enterprises in India and abroad. They are also contributing to the growth of this Institute in many ways.

Two professional agencies SKIDT, Amritsar and TRINITi, Chandigarh were engaged to train the final year students and to polish their professional skills & to prepare them for the upcoming placement drives.

Again, this institute is the first among the Govt. managed Engg colleges to take initiative to start such extra classes by hiring specialized professional agencies as such professional skills are essential for the selection of students in various MNC's along with technical skills.

### **III Co-Curricular and Extra Curricular Activities:**

Participation in curricular, co-curricular and extracurricular activities is must for the overall development of personality of the students.. The Institute has 08 different societies for promoting co-curricular and extra curricular activities namely:

- Indian Society for Technical Education (ISTE)
- Society for Extra Curricular Activities (SECA)
- Society for Electrical Engineering (SEE)
- Society for Mechanical Engineering (SFME)
- Chemical Engineering Society (CHESS)
- Society for Electronics and Communication Engineering (SELCOM)
- COMPUWAVE
- Eco-Friendly Group
- NSS and NCC Units

These societies organize various functions from time to time and all students of the Institute are encouraged to participate in co-curricular and extra curricular activities. With exposure to such activities, our students gain deep insights into areas of teamwork, interpersonal skills, leadership, problem solving & managerial intelligence.

#### **IV Estate**

1. We have constructed new teaching block in which 08 lecture halls/tutorial halls are near to completion and will be occupied within one month. The construction work for the remaining 16 lecture halls/tutorial room has been started and likely to be completed by August 2013.
2. Construction of one more Girl Hostel has already started and likely to be completed by July 2013.
3. The institute got a grant of rs. 2 Crore from AICTE for the construction of Boys' hostel and Foundation stone has been laid for the construction of said hostel @ Rs. 5 Crore. The construction work is likely to start in June 2013.
4. All formalities for the construction of Gymnasium @ Rs. 84 lacs has been completed and work is likely to start in June 2013.
5. Seminar Room and Conference room were renovated.
6. In the last year we have planted more than 3000 trees/ saplings.
7. Nescafe booth and Verka Milk Booth are opened in the Institute during last years. It is also planned to start a fast food mall near the boundary wall of the Institute.
8. A beautiful park in an area of about 10 acres has been developed last year with proper seating arrangements, fountain, and shed.
9. Tractor and movable water tank were purchased for maintaining college lawns and plants.

10. Glowing sign boards are installed for each building, hostel, residential areas, and for other utilities.
11. Quotable quotes have been displayed at different locations in for encouragements and motivation to staff and students
12. All class rooms are being converted into smart class rooms and nearly 80 CCTV cameras are being installed at various locations of the campus.
13. The Institute website has been upgraded and all emails of faculty and students are being provided at Institute domain.
14. All complaints of houses, hostels and teaching blocks related to civil, electrical maintenance etc etc are made online.

## **V Sports**

The students of this Institute participate in every activity of athletics and sports at the University levels. The Institute organizes Athletic Meet every year. The Institute has playgrounds for Hockey, Football, Basketball, Volleyball, Cricket, Lawn tennis, Badminton, Yoga, etc. The institute has a state of the art Gymnasium. **It is worth mentioning here that this is the first college in Punjab where water is given to all the playgrounds through Sprinkle System.**

The college has won Gold Medal in PTU inter college weight lifting Championship, PTU inter college Yoga Championship (Both boys and Girls), and PTU inter College athletics Championship. The college has also won Silver Medal in Power lifting Championship and athletics championship.

Every year, college has arranged night cricket, football and volleyball tournaments to provide healthy environment to students.

## **VI Houses and Hostels**

The Institute has installed WI-FI internet connectivity in the campus and internet connections are given to all Hostels and staff residences through dedicated fiber optic network.

This is the first college among the state managed engineering colleges which has provided dedicated internet connectivity to residences and hostels. The Institute has about 120 houses for faculty and staff. We have established computer lab in every hostel of boys and girls.

The Institute has 3 boys' hostels and one girl hostel and all the hostels have cooperative Mess facility. Geysers and water coolers fitted with Water Purifiers are provided on every floor of all hostels. The Institute has two generators of 125 KVA and 250 KVA rating to provide 24 hours power back up facility to hostels and college buildings. Recently, the Institute has also got HOT LINE power supply from PSEB.

Construction of one more Girl Hostel has already started and likely to be completed by July 2013 and one more Boys' hostel will start in June 2013.

## **VII Sponsored Projects**

In the year 2011-12, the Institute's faculty got 09 sponsored projects from AICTE, New Delhi worth Rs. 48.73 lacs for modernization of laboratories, promotion of research, organizing faculty development Programmes etc..

The Institute also got a grant of Rs. 10 Crore from Punjab Govt under Technical Education Quality Improvement Programme. Again I am happy to announce that our Institute is leading the other Govt. managed Engineering college for procuring the equipment under TEQIP scheme of MHR GOI.

The Institute also got a grant of Rs. 2.00 Crore from AICTE in April 2013 for the construction of Boys Hostel.

Sh. Surjit Kumar Jiani ji, Hon'ble Forest and Labour Minister Punjab and Sh. Sher Singh Gubhaiya, Hon'ble Member of Parliament have given a grant of Rs. 5.00 Lakhs each (Total Rs. 10.00 Lakhs) for developing Gymnasium in the Campus.

### **VIII Accreditation Status**

The Institute has applied to the National Board of Accreditation to get the accredited status.

Recently, all Head of Departments, senior faculty TEQIP Teams and Director of the Institute (15 members) has attended workshop on accreditation organized by NBA at Patiala. And again on 9-10 May, the above said faculty is attending workshop at Patiala arranged by NBA nodal Centre.

Further, with the active contributions of its faculty, staff and students the Institute is striving hard to make it one of the best Institutes in the state of Punjab and making all round efforts to become deemed University.

### **IX. ERP Solution**

The Institute has procured ERP solution for taking effective and efficient decisions as well as providing timely information to the students and their parents about their results, certificates etc. etc.

With the untiring efforts of Hon'ble Chairman BOG, this Institute will become first institute of Punjab for Implementing ERP solution.

## **X FDP Programmes**

The Institute has organized three Faculty Development Programme on

- (1) Applied soft computing
- (2) Research Methodology
- (3) Materials Engineering in which faculty from different Engineering colleges from India has participated.

One more faculty development Programme is scheduled to be organized during 7-17 May 2013. Similarly, training programmes are arranged in the months of June and July 2013 for Ministerial Staff and Technical Supporting staff.

## **XI Convocation and Alumni Meet:**

The 1st Convocation and 1st Alumni meeting of the college was held in the year 2010-11 and 2nd Convocation and 2nd Alumni meeting was held on 14 Feb. 2013.

## **XII Scholarships**

In the last 2 years, the college has given scholarships to those students whose bread earner has died naturally or accidentally:

<b>Year</b>	<b>Amount</b>	<b>No. of beneficiary students</b>
2010-11	Rs. 10.63 lacs	36
2011-12	Rs.11.50 lacs	17
2012-13	Rs. 4.92 lacs	43

## **XIII Common Facilities**

The Institute is having full-fledged computer center and computer labs in all departments with more than 710 computers. The Institute has increased lease line internet connectivity from 12 Mbps to 24 Mbps and further applying to increase it to 32 Mbps. Internet access is available 24 hours to faculty, staff and students. All faculty members have been given PCs, Lap-top and also provided internet connections in all the Offices and Labs.



Head of Departments have been given facilities of air conditioner and sofa set in their offices. All Head of Departments, Deans and important functionaries have been equipped with official landline & Mobile Phones for efficient and effective communication.

Institute has 141 faculty members, 77 technical supporting staff and 53 ministerial staff. Out of 141, 18 faculty members are Ph.D, and 11 faculty members are doing Ph.D and most of others are having M.Tech degrees. The Institute is actively sponsoring the faculty for higher studies under the Quality Improvement Program (QIP) and Study Leave. Presently 04 faculty members have been sponsored under Study Leave for doing regular Ph.D. They have been given full salary and 25% of basic pay as a study allowance. They have also been allowed to retain their houses in the college campus during the period of study leave.

More than 40 students are pursuing Ph.D in different disciplines in this Institute. About 95 research papers were published in reputed journals and more than 100 papers were presented in national/international conferences by the faculty of this Institute.

The Institute is also sponsoring the faculty members for National and International Conferences. Dr. T.S. Sidhu, Principal and Dr. R.S. Bhatti, Associate Professor were sponsored to present their research paper in Canada/USA in 2011-12.

The Institute is also sponsoring the faculty members for National and International Conferences in India and abroad.

The Institute is having fully equipped central workshop, which caters to the needs of all the Departments of the Institute. All laboratories are fully equipped with State of Art equipment. The Institute is connected through campus wide Networking and EPBAX system. The Institute Library is enriched with Books, Proceedings, Journals, E-Journals and News papers and having one A.C. Reading hall with sitting capacity of 50 students. EDUSAT facilities are installed in Seminar Room for conducting classes of different disciplines.

During last three years, 42 non-teaching staff was promoted and 17 teaching faculty has been given the benefit of Career Advancement Scheme (CAS).

The Institute has a shopping complex, post office, dispensary, Nescafe booth, Verka Booth and Bank with ATM for the facility of staff and students. The Institute has one 52 seater bus, one mini bus, one jeep, one innova car and one ambassador car.

#### **XIV Corporate Social Responsibility**

The institute has a social outlook as well. The Institute has been registered as Vocational Training Provider (VTP) under the Skill Development Scheme of Govt. of India. I feel proud to announce that we are the first engineering college in the state of Punjab to be registered as a VTP under this scheme. We provide hands on training to generally rural & poor candidates and they attend classes with flexi timings either at evenings or at weekends.

Finally I am thankful to all the Faculty and Staff for their cooperation and Support for achieving the targets of the Institution.

**Dr. T.S. Sidhu**

**Director**