

message

from the CEO's desk



Chandra Mohan
Chairman
Governing Council



Manish Trehan
CEO & Member Secretary
Governing Council

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Today's customer is totally different from what he was a decade ago. In today's cut-throat global competition, he takes 100% delivery of performance, reliability and service for granted. His decision is dictated by aesthetics and sensual excitement and, all that at the lowest price. Now that we have joined the global economy, whole-hearted adoption of TQM by every Indian industry and business has become critical for survival.

This application-focused Programme launched in 2005, has been developed by the best of practicing managers and experts to equip young professionals to apply latest TQM techniques at their own work-places. Techniques are universal and can be applied in every industry, service or at home and, in every organization or field. Join the new brigade of India's managers formally trained in this priority field and advance your career.

With a unique structure, content, delivery and examination system, the Programme is specially tailored for convenience of working professionals. I am sure you will enjoy joining it and it will benefit you.

God Bless.

Business in India is witnessing rapid change. Facing the new challenges, requires a new cadre of professionals with intellectual curiosity, ability to think futuristic and knowledge of contemporary concepts.

This B.Tech. Programme with a specialization in TQM, is a first-of-its-kind professional degree programme, delivered through distance learning, which has the potential to transform the future of young working professionals and entrepreneurs in our country.

The innovative curriculum, with a total focus on application-based learning, addresses a key requirement of our technical education system. A combination of Industrial Engineering, Management and TQM in the curriculum multiplies its utility.

A rich collaborative culture – blend of academics, industry interface and continuous innovation makes the School a wonderful place to learn. We shall strive to create a truly unparalleled academic experience of “self-paced” learning, which provides opportunities that bring lifelong competitive advantage to you and your organizations.

Welcome to our “School of Excellence” for a professionally rewarding and enriching experience.

governing council

Chairman

Chandra Mohan

Chairman, Board of Governors,
Punjab Engg. College (Deemed University)
& formerly, Vice-Chairman & MD,
Punjab Tractors & Swaraj Group.

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Vice Chancellor,
Punjab Technical University &
Principal Secretary,
Technical Education, Punjab

Sarojini Gautam Sharda, PCS

Registrar,
Punjab Technical University

Dr. O P Bajpai

Director,
University Institute of Engg. & Tech.
Kurukshetra University

Sachit Jain

Executive Director,
Vardhman Group of Companies

S C Bagrodia

Chairman,
Winsome Group of Companies

JS Bedi

Chairman,
Gian Jyoti Institute of
Management & Technology

Ranjeet Bedi

Educationist

Dr. Aneet

Dean Academics,
Gian Jyoti Institute of
Management & Technology

Member Secretary & CEO

Manish Trehan

B.E., MBA (IIM-A)

towards global competitiveness

Programme Objectives

- ◆ To provide opportunity for career advancement in a fast-growing field
- ◆ To create Professionals who are ready to implement world-class TQM practices

Radical Innovations

- ◆ **Distance Learning Programme**
No dislocation of personal life, career or income
- ◆ **Credit-based courses**
Semester system; exams every 6-months
- ◆ **Flexible completion**
6-Semester programme
Can be completed in 3-6 years
- ◆ **Affordable fees**
Due to non-profit charter of School
- ◆ **Open-book exams**
Focus on application of knowledge
- ◆ **Innovative curriculum**
Course material developed by top-class practicing Managers and Professionals to meet industry needs

Designed to inculcate

- ◆ Spirit of observation, questioning & self-exploration
- ◆ Skills for scientific and creative thinking
- ◆ Habit of self-learning, reading & net-search
- ◆ Ability to work in team
- ◆ Perseverance

Course Mix

- ◆ Quality Management
- ◆ Industrial Engineering
- ◆ General Management
- ◆ Skills Development

programme structure

The Programme

This is a credit based programme spread over 6 semesters. There are a total of 31 courses (subjects), including 3 electives (in 6th semester).

There are 4-6 courses per semester of 3 to 15 credits each (Total 160 credits for the full programme).

Courses include:

- Minor Project (5 Credits) in 4th Semester
- Major Project (15 Credits) in 6th Semester.

Time for Completion

Minimum time : 3 years

Maximum time : 6 years

Semester Pattern

Semester pattern is adopted for the programme due to the following reasons:

- Reduced learning load
- Two exams in the year make it easier to qualify for working professionals.
- Semester-wise payment of fees is easier for working professionals.

Credit System

Credit-based system is followed for flexibility. A credit point is a rough measure of the study hours expected for effective learning.

One credit is equivalent to 25 hours of study effort, which includes time spent on course material & books; Exercises & assignments; Contact sessions; Projects; Exams. Thus, a 5-credit course involves 125 study hours.

Certificate / Advanced Diploma / Degree

On Completion of

| | |
|--------------|---|
| 2nd Semester | Basic Course in TQM (Certificate from School) |
| 4th Semester | Advanced Diploma from University |
| 6th Semester | B.Tech. Degree from University |

programme scheme

SEMESTER

- 1**
- ◆ Quality : Historical Perspective and Concepts
 - ◆ Business Focus and Economics of Quality
 - ◆ Essential Principles of Science
 - ◆ Essential Principles of Mathematics
 - ◆ Customer Focus and Satisfaction

SEMESTER

- 3**
- ◆ Measuring Instruments and Metrology
 - ◆ Productivity and Work Study
 - ◆ Quality Control & Inspection
 - ◆ Quality Improvement Tools - II
 - ◆ Communication Skills
 - ◆ Operations Management

SEMESTER

- 5**
- ◆ Organising for Quality
 - ◆ Supplier Relations and Quality Assurance
 - ◆ Design for Quality
 - ◆ Toyota Production System & Lean Management
 - ◆ Six Sigma

SEMESTER

- 2**
- ◆ Essentials of Management
 - ◆ Quality Improvement Tools - I
 - ◆ Fundamentals of Statistics
 - ◆ Standards and Certification
 - ◆ Management Systems : ISO 9000 & 14000 Series

SEMESTER

- 4**
- ◆ Maintenance Management
 - ◆ Materials Management and Industrial Economics
 - ◆ Statistical Process Control
 - ◆ Ergonomics
 - ◆ Minor Project
 - ◆ Effective Presentation Skills (Workshop)

SEMESTER

- 6**
- ◆ Major Project
 - ◆ Elective-I
 - ◆ Elective-II
 - ◆ Elective-III

CHOICE OF ELECTIVES

ELECTIVE I (Choose any one)

- ◆ Quality in Service Industry
- ◆ Safety, Health and Environment Management

ELECTIVE II (Choose any one)

- ◆ Customer Relationship Management
- ◆ Reliability Engineering

ELECTIVE III (Choose any one)

- ◆ Advanced Quality Tools
- ◆ Logistics & Supply Chain Management

programme delivery

Approach

This unique B.Tech. programme is delivered through an integrated education style of academic theory and practical experience. Utilization of Guest Speakers, Seminars, Case Studies, Field Visits and Project Work helps to bridge the gap between theory and practical work.

Study material

The study material, prepared by top-class practicing managers and experts is in printed form. Each 5 credit course comprises 5 modules, with each module roughly equivalent to one credit. All study material for a Semester will generally be mailed at its commencement (to the students who have registered for the semester).

Assignments

To improve student understanding of the topic for application at work, each course is accompanied by carefully designed exercises & assignments. Because of their importance to understanding, a large percentage of marks is assigned to them. For convenience of regular submission, they are also modular. Regular submission for evaluation is compulsory.

E-Counselling

E-Counselling support will also be available. Students can e-mail their questions which will be replied by our experts/ counselors within 24 hours.

Field visits

Field visits to approved Standards Rooms and R&D Labs are included in the Programme. These field visits would provide students a first-hand exposure to state-of-the-art facilities for standardization, testing, R&D etc.

Corporate Speak

"B.Tech-Indl. Engg. & Mgmt. (Spl. In TQM) of PTU is beneficial not only to the participants but also the employers of our region. We find significant improvement in performance of our participating team members. Course is a motivator and confidence enhancer to participants."

Sunil Taneja, Managing Director
Ind-Sphinx Precision Ltd, Parwanoo

"Our employees, who are enrolled for the B.Tech. Programme, find it highly informative and very relevant to their work areas. Subjects like SPC and other related QC Tools are very helpful in analyzing & solving day-to-day work related issues. Faculty and study material are of very high quality."

J. K. Menon, Managing Director
DCM Engineering, Ropar

"PTU's B.Tech-Indl. Engg. & Mgmt. (Spl in TQM) is contributing immensely in upgrading the managerial & decision making skills of the participants; whether they are mechanical diploma holders, electrical diploma holders or from any other stream. The faculty is very knowledgeable & expert in their respective fields."

Arvind Nanda, Vice President - Engine Bearings
Anand Engine Bearings Ltd, Parwanoo

Contact Sessions

During each semester, 8-10 days of face-to-face contact is planned. For convenience of students, every effort will be made to hold Contact Sessions over week-ends.

Sessions will cover:

- Q & A to clear doubts
- Case studies
- Presentations
- Group exercises
- Lectures by guest faculty & business leaders

Through the work of its core team in the field of TQM for many years, the School has already built a strong network with Business Leaders of the region and created a large bank of local case studies to make the Contact Sessions interesting and useful.

Minimum attendance of 75% is required in Contact Sessions which carry marks.

Location & time-table of Contact Sessions will be intimated well in advance. It will also be posted on School's website.

Project work

Minor Project (4th semester) and Major Project (Final semester) are a part of the Programme. The projects will focus on application of the principles, tools and techniques learnt during the programme to solve work related problems. Therefore, the projects will be selected from your own organization, in consultation with your Top Management, by our Experts.

excellent learning environment

Infrastructure

The School has excellent infrastructure and modern facilities which assist in conducting the various academic programmes.

Class rooms are air-conditioned and provided with modern audio-visual systems, including LCD projectors. Special efforts have been made to ensure that the class rooms are spacious and well-lit to facilitate the learning process.

The School also has an air-conditioned Conference Room, which is conducive to round-table group discussions.

Library

School has organized an excellent Lending Library cum Bookshop on its premises. Course & other books on TQM, Industrial Engineering and Management topics, Reference books, Case-studies etc. would be available for lending or purchase.

Membership of the library is compulsory for every student.

Details of library facilities & rules, catalogue of books and periodicals, etc. will be available on School website and up-dated regularly.

Students can avail special discount on purchase of books from school book shop.

Faculty

The School has a number of full-time and part-time faculty members, who provide constant feedback to the students, answer their queries and evaluate the assignments. The Academics Department of the School closely monitors these activities.

The faculty members include renowned academicians and top-notch consultants & practicing managers who bring real-life experiences into the contact sessions to enhance student's ability to relate concepts to real life situations.

The diversity of interests among faculty ensures student's exposure to various facets of Learning and Management.

The study material and assignments for each course have been prepared by the faculty members.

faculty

Aggarwal, Vimal (Dr.)
Director,
GJIMT, Mohali

Anand, HS, Wg. Cdr. (Retd.)
Managing Director,
Quality Growth Professionals, Mohali

Bhardwaj, Vinod
Former Business Excellence Manager
Phillips India Ltd., Mohali

Chawla, Naresh
Corporate QA-Head,
KDDL, Parwanoo

Davessar, Viney
Faculty-TQM,
PTU's Gian Jyoti School of TQM &
Entrepreneurship

Dhir, NK, Maj. Gen. (Retd.)
Director
Alphabet Teletec Pvt. Ltd., New Delhi

Goel, KK
Former Dy. Director General
Bureau of Indian Standards

Ghumman, Karminder (Dr.)
HOD MBA-Department,
GJIMT, Mohali

Gupta, IML
Former Scientist E-II,
Central Scientific Instruments Organisation,
Chandigarh

Gupta, RP (Dr.)
Former Chairman, UBS
Panjab University, Chandigarh

Huria, Ashok
Hon. Secy., National Safety Council, N. Zone
Former DGM - Safety, HMT, Pinjore

Kalra, JC
Former Director- Projects & Group
GM-QA, RITES India, New Delhi

Kapoor, Vijay
Principal Consultant
PTU's Gian Jyoti School of TQM &
Entrepreneurship

Khurana, KL
Process & Design Consultant,
Former Head of Chemicals Division,
Ranbaxy Laboratories, Mohali

Magazine, TK
Consultant in Supply Chain Management,
BPR and Change Management, Chandigarh

Nanda, Anil
Former GM,
Federal Mogul Goetze India Ltd., Patiala

Nehru, Anil
Former Director - Technical,
Pfizer India

Prasher, Anupama
Faculty-TQM,
PTU's Gian Jyoti School of TQM &
Entrepreneurship

Prasher, AK (Dr.)
Prof., Department of Applied Sciences,
Punjab Engineering College, Chandigarh

Rathnam, Saideep CV
Dean, Anand University,
Anand Corporate Services, Parwanoo

Sharma, DD (Dr.)
Professor & Head of Entrepreneurship
Development & Industrial Coordination
Department, NITTTTR, Chandigarh

Singh, Saravjit
Consultant, Product & Project Management,
Former GM, Mahindra & Mahindra

Singh, Devendra
Senior Faculty-TQM,
PTU's Gian Jyoti School of TQM &
Entrepreneurship

Sibia, SS, Colonel (Retd.)
Senior Faculty-TQM,
PTU's Gian Jyoti School of TQM &
Entrepreneurship

Singh, Manjit
Air Vice Marshal (Retd.), Chandigarh

Singh, Surinder, Brig. (Retd.)
Senior Faculty-TQM,
PTU's Gian Jyoti School of TQM &
Entrepreneurship

Sivaram, Malini
Statistician (M.Sc. - Statistics), Delhi

Verma, GR
Faculty-TQM,
PTU's Gian Jyoti School of TQM &
Entrepreneurship

evaluation

Evaluation Scheme

| Courses (Other than Projects and Workshops) | | Major Project / Minor Project / Workshops | |
|---|-----|---|-----|
| INTERNAL EVALUATION | | INTERNAL | 70% |
| Assignments | 30% | Project Reports/Presentations | |
| Participation in Contact Sessions, Quizzes | 30% | EXTERNAL | 30% |
| EXTERNAL EVALUATION | | Viva-voce by University team | |
| (End Semester University Exam) | 40% | | |

Student will be eligible to appear for the End-semester examination for any Course only after all assignments/ Project work for internal assessment has been submitted.

Examination & Evaluation

- 1. End-Semester University exams**
Will be held twice a year. Schedule will be communicated well in advance to the students by the School.
- 2. All exams are Open-book**
In a radical change in the Indian Exam System, students will be permitted to take the printed study material into the Examination Hall.
- 3. Evaluation System**
To successfully qualify a course, a student will have to obtain at least 40% marks in each component of the course. However, to become eligible for the award of degree, a student must obtain a minimum of 50% of the total marks of all the courses prescribed for the 6 semesters.
- 4.** If a student misses or fails to clear the End-semester exam for any Course(s), he/ she may re-appear (after payment of re-appear fee) in any subsequent end-semester exams.
- 5.** Evaluation and marks declared for final examination will be binding on students. However if a student desires re-evaluation of the paper(s), he/she would have to pay re-evaluation fee as prescribed by the university from time-to-time.
- 6.** If a student does not get minimum 40% marks in the internal evaluation of a course, he/she will have to resubmit all the assignments/project paper of that course, along with the prescribed re-submission fee.

rules & regulations

Identity Card

- Every student will be issued an identity card. The student is required to carry his/her identity card at all times during visits to the School and produce it when ever required.
- In case of loss of identity card, a duplicate card shall be issued subject to a written request from the student at an additional cost of Rs. 200 only.
- The identity card is valid only for the duration of the programme for which a student has got the admission.

Attendance

- Every student is expected to maintain regular attendance during the Contact Sessions. Participation in Contact Sessions has 30% weightage in the overall evaluation. Minimum 75% attendance is required.
- Any student remaining absent for more than 25% hours for a course will not be able to appear in the End-Semester examination of that course.

Award of Degree/Diploma/ Certificate

- A Degree/ Diploma/ Certificate will be awarded to a student only if he/she has obtain a minimum of 50% of the total marks of all the courses prescribed for all the semesters.

In case a student does not clear all the semesters in the maximum time as mentioned in the prospectus, he/she will not be awarded any Degree. In such cases, no refund of fee will be made.

Payment of fee

- The fee must be paid before the start of the semester, as per the schedule specified by the school.
- In case the student does not pay the fee during the specified time, late fee will be charged as per dates communicated by the school.
- The fee is non-refundable in all the cases.

rules & regulations

General

- A Student is expected to observe the decorum while attending contact sessions, field visits and during written examinations.
- The university / school reserve the right to update the programme through the change in methodology, contents, structure and Scheme of Examination from time-to-time.
- School reserves the right to cancel candidature of a student if he/she acts in an unworthy manner.

Revision of rules

University / School reserve the right of change/ modification of rules, which will be applicable to all students, including those admitted earlier.

Registration

University registration for the Programme will remain valid for 6 years from the date of admission. A student will have to pass all the courses and fulfil all other requirements for completion of the degree, including attaining the required aggregate, within this period of 6 years, failing which the candidature of the student shall stand cancelled, and no degree shall be awarded.

Student ID

On grant of provisional admission to the programme, by the School, each student shall be allotted a unique Student Identification Number (SID) for identification and all correspondence with the School.

University Roll Number

Each student will be allotted a University Roll Number (URN) by the University on his/her first admission to this programme. This will be his/her code during the validity of the programme.

admission process

- Candidates need to fill in the application form enclosed with the prospectus, after confirming their eligibility as per the eligibility criteria. Please read the instructions (attached to the application form) carefully and enclose all required attachments. To ensure completeness, please tick the Checklist (attached with the application form).
- Duly completed application forms should be sent to the School alongwith Application processing and Registration fee before due date in the form of Demand Draft drawn in favour of "PTU's Gian Jyoti School of TQM & Entrepreneurship", payable at Mohali/Chandigarh. (Applications received after the cut-off date will not be processed.)
- An acknowledgement slip will be sent to each applicant within 5 days of receipt of the application form.
- All applications will be processed within 10 days of receipt and the status will be communicated to each applicant, by e-mail as well as by post, through an intimation slip. If required, candidates may be called for an interview.
- Candidates who are selected, will be required to deposit 1st Semester fee within 10 days of receipt of the intimation of provisional selection or by due date whichever is earlier. Fee once paid is non-refundable, except Library Security.
- The number of seats for this unique distance learning programme are limited. Admission will be granted on "First-come-First-Served" basis as per the receipt of first schedule of fees.
- Final admission to the programme will be granted by Punjab Technical University after scrutiny of original documents of the participants. Schedule for submission of original documents will be intimated separately to the participants.

Corporate Speak

"B.Tech. Program in Industrial Engineering & Management from PTU's 1st School of Excellence has helped our executives broaden their thinking to manage the cultural diversity in their technical profession. The school is rendering a great service by imparting life-long skills and overall emphasis of business integration in engineering education to the participants in this innovative program."

T. K. Das, Sr. Vice President (Operations)
International Tractors Ltd, Hoshiarpur

student speak



Hardev Singh
Dy. General Manager-Projects
Murli Industries Ltd.
Batch : October, 2005

Gian Jyoti's 1st step to way to make India a developed country is really appreciable. The institute is offering first ever hybrid course, which is having brain of old experienced managers and the strength of young managers from Indian industry.

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The faculty comprises best professionals and executives from Indian Industry. Quality culture is being spread through out the country through its learners, who are from different industries & states.

After joining this course, I personally feel that it has transformed my life by developing my level of thinking & making me quality conscious. When I joined this course 3 years back, I was working as Dy. Manager-Mechanical in a cement grinding unit and now I am working as Dy. General Manager-Projects in a 3 Million Tonne cement plant.

During the execution of Rs. 700 cr. Green Field Project. I and my team (20 Managers & engineers) have brought down monthly man power supply bills from Rs.18 lacs to Rs. 2 lacs by eliminating wastes, without effecting the progress of work.

I joined this programme to gain more knowledge and be part of the 'big picture' in corporate world. This programme has helped me to add value to my working area by implementing TQM concepts to raise the productivity of our organization.

During contact sessions, experiences from different fields are shared and we are encouraged to participate actively which has helped me become innovative.



Suresh Chandel
Asst Manager-Maintenance
JCBL Ltd.
Batch : July, 2006

After joining my current organization in May, 2008, I have helped the company reduce diesel consumption, in the DG set, resulting in savings of Rs.10 lacs per annum. I have also reduced spares cost by 20%. I got many opportunities after mentioning about the B.Tech. programme in my "Resume".

After joining this course I have improved my communication skills and added value to myself as well as to my organization by reducing COPQ in different areas. For such a practical approach and industry proven concepts, I heartily thank every member of TQM Team at PTU's Gian Jyoti School of TQM & Entrepreneurship at Mohali, Punjab.



Lokesh Kumar
Manager Instrumentation
Reliance Industries Ltd.
Batch : January, 2007

B.Tech. Industrial Engineering and Management is totally a practical programme and I have used the knowledge that I learnt during the programme in my organization to solve critical problems. Management appreciated the decisions taken by me and awarded me through promotion and appraisal grade of "excellent" in two successive years.

We had lots of end product waste generation due to engineering breakdowns in our organization. I took this project to reduce engineering breakdowns. I strengthened the preventive maintenance schedules of vital machinery and reduced the engineering breakdowns to nil. I got a special award and a family dinner in a good restaurant. Now I have been promoted and have an independent office cabin.

Four years of B.Tech. with job and family pressures was always a tough decision. But, after 5 years of experience post-diploma, my career had reached a stage, where prospects of growth were limited. So, despite all pressures I opted for this course. It is a unique programme it is more of interactive learning and knowledge sharing. All fellow students come from different industries with huge work experience. It made me realize the vastness of industry and processes. Experienced & dedicated faculty has immensely added to our knowledge. Study Material is useful and simple. Learning is a natural process as part of this B Tech.



Harpreet Singh
Quality Manager (UP)
HDFC Bank Ltd.
Batch : October, 2005

All this knowledge and guidance from faculty has helped me enormously in my career. At the time of joining this B.Tech. programme, I was working in Sigma Freudenberg NOK as Development Engineer. Thereafter, during last three years, I have progressed to the position of Quality Manager (UP) in HDFC Bank. I changed from Manufacturing to Service industry, as I learnt that Quality is applicable everywhere. In the end, I would say, to survive in today's competitive world we have to continually improve our self.

Your next step
for a better **future**

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