

**SYNOPSIS  
OF  
MANUAL OF  
ACADEMIC AUTONOMY**

**SUBMITTED TO  
UNIVERSITY GRANTS COMMISSION, NEW DELHI**

**THROUGH  
PUNJAB TECHNICAL UNIVERSITY, JALANDHAR**

**SUBMITTED BY  
BEANT COLLEGE OF ENGINEERING & TECHNOLOGY,  
GURDASPUR – 143521 (PUNJAB)**

## **PART-1 : BACKGROUND OF THE INSTITUTION**

Beant College of Engineering & Technology Gurdaspur has been established by the Govt. of Punjab as an autonomous institution through a Registered Society governed by Board of Governors under chairmanship of Hon'ble Minister, Technical Education & Industrial Training, Punjab. This is one of the institutions of Govt. of Punjab established and promoted by the Govt. In addition to this college, there are other Engineering colleges at SBSCET, Ferozepur, GZSCET, Bathinda, MIMIT, Malout and BHSBIET, Lehra Gagha, established by Government of Punjab.

There are three committees for total administrative control of the college, namely,

- (1) Finance Committee of the college chaired by Principal, Secretary, Tech. Education & Industrial Training, Punjab.
- (2) Building and works committee chaired by Principal, Secretary, Tech. Education & Industrial Training, Punjab.
- (3) Equipment and Store Purchase Committee chaired by Director, Tech. Education & Industrial Training, Punjab.

### **Institutional Mission of the Promoting Body**

To provide state-of -the-art knowledge to undergraduate degree courses in different emerging areas of technologies, so as to develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of these professions.

To identify, based on an informed perception of Indian, regional and global needs, areas of specialization to develop sound technically trained Engineers and to encourage them for entrepreneurship initiatives.

### **Institutional Vision of the Promoting Body**

Initially college was started with undergraduate courses in various areas of Engg & Technology . Now college is looking forward to go for accreditation & ISO certification which can ultimately pave the way for Deemed university status for the college.

## **Objectives of the Institution**

The aims and objectives of the Beant College of Engineering & Technology, Gurdaspur are:

1. To train the man power as per the need of state, country and the international market.
2. To expose the students to the latest Technology for various branches of Engineering.
3. To develop the spirit of entrepreneurship amongst the students in industries.
4. To develop close cooperation with industry & educational institution and add commercial value to the academic knowledge.

## **Basic Academic Philosophy of the Institution**

The institution aims to boost the excellent academic environment by ways of introducing the updated teaching aids, improvised teaching methodologies, recruitment of the teaching staff as per AICTE, norms and modernization of various labs under MODROBS, TAPTEC and R&D project schemes of AICTE. This is being strengthened to move forward for the accreditation by the AICTE, New Delhi, of the existing programmes running in the institution.

## **GOVERNANCE AND ACADEMIC & ADMINISTRATIVE MANAGEMENT**

### **Philosophy of Governance**

Governance is done aiming at delivering quality education in different fields of Engineering & Technology . To produce Technical human resource , keeping in view the requirement of the country. Quality Education is the main motive to produce quality Engineer. At the outset it is ensured that people of good quality are recruited and later on all promotional avenues , so as to retain best talent. Schemes like CPF, Medical benefit, GLIS & LTC are in practice as per Govt. rules.

### **Board of Governors**

Constitution of Board of Governors is as follows:

|    |  |             |
|----|--|-------------|
| 1. | Technical Education Minister, Punjab                         | Chairperson |
| 2. | Secretary to the Government of Punjab, Department of Finance | Member      |

|     |  |                                   |
|-----|--|-----------------------------------|
| 3.  | Secretary to the Government of Punjab, Department of Technical Education   | Member                            |
| 4.  | Secretary to the Government of Punjab, Department of Science and Technology, & Environment   | Member                            |
| 5.  | Director, Technical Education, Punjab  | Member                            |
| 6.  | One MLA. holding a Technical Degree  | Member                            |
| 7.  | Not more than two members from amongst Govt. of India/All India Institutions   | Member                            |
| 8.  | Any other two members whose experience is considered relevant to the cause of technical education of management of the colleges. These could also be chosen out of Senior State Govt. Officers | Member                            |
| 9.  | The Vice-Chancellor of the affiliating University or his nominee (Earlier it was GNDU, Amritsar)   | Member                            |
| 10. | Industrial/Technologist in the region to be nominated by the State Government  | Member                            |
| 11. | Industrialist/Technologist in the region to be nominated by the State Government   | Member                            |
| 12. | Nominee of the University Grants Commission  | Member                            |
| 13. | One representative of the faculty from amongst Professors for one year to be nominated by the Chairperson Board of Governors   | Member                            |
| 14. | One representative from other faculty for one year to be nominated by the Chairperson Board of Governors   | Member                            |
| 15. | Chairman/Chairperson, Punjab State Board of Technical Education & Industrial Training, Punjab  | Member                            |
| 16. | Principal of the Beant College of Engineering & Technology, Gurdaspur  | Ex-Officio<br>Member<br>Secretary |

**\*As per requirement of TEQIP-II, notification for the appointment of Chairman (Academician), BOG is awaited.**

Three other committees are as follows:

### **1. Finance Committee**

|    |   |          |
|----|---|----------|
| 1. | Principal Secretary, Govt. of Punjab, Department of Technical Education & Industrial Training | Chairman |
| 2. | Principal Secretary, Govt. of Punjab, Department of Finance                                   | Member   |
| 3. | Director, Technical Education & Industrial Training, Punjab                                   | Member   |

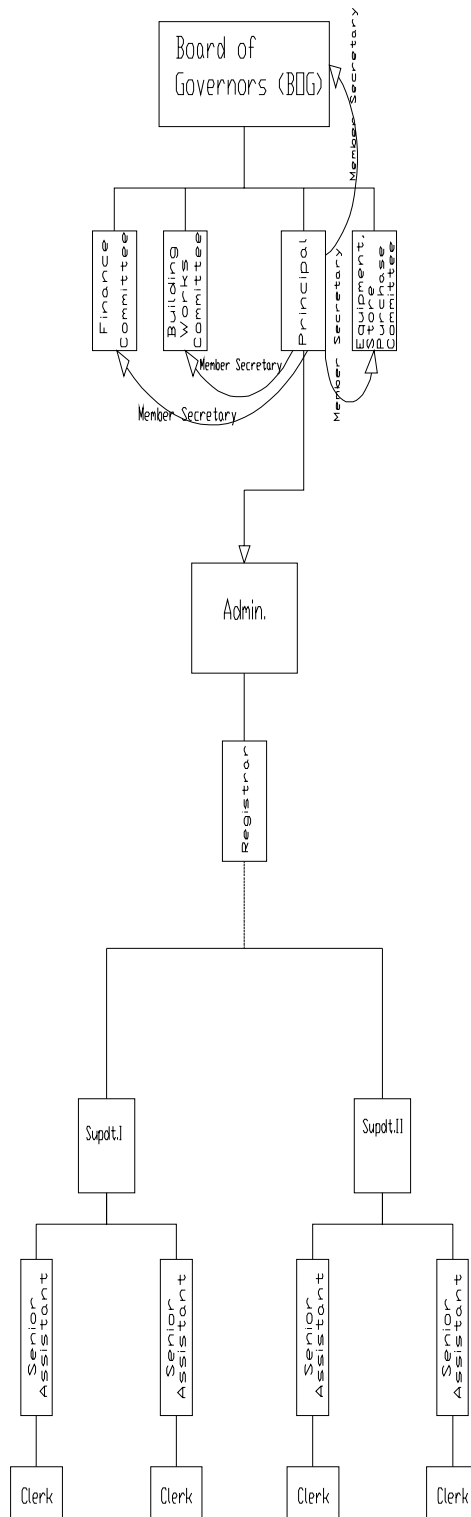
|    |   |                     |
|----|---|---------------------|
| 4. | Principal, Beant College of Engineering & Technology, Gurdaspur | Member              |
| 5. | Registrar, Beant College of Engineering & Technology, Gurdaspur | Member<br>Secretary |

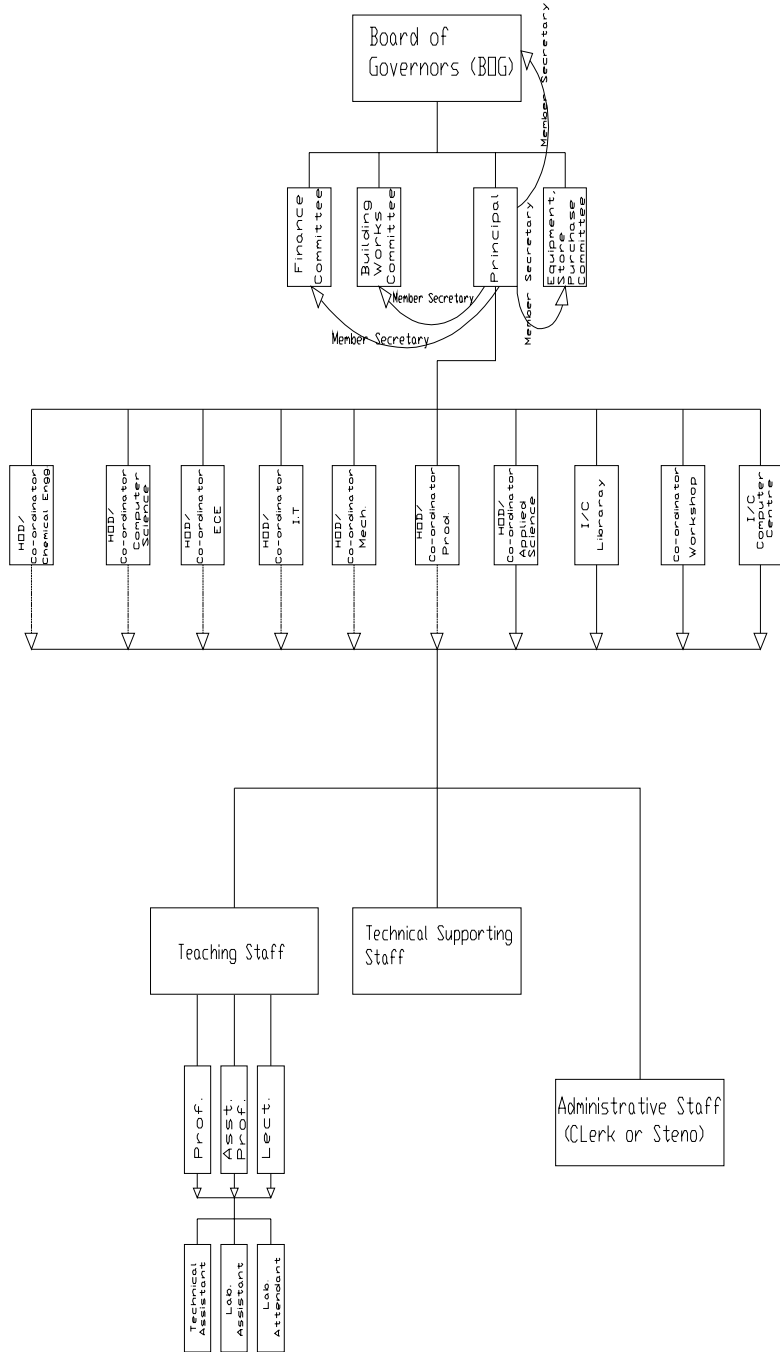
## 2. Buildings & Works Committee

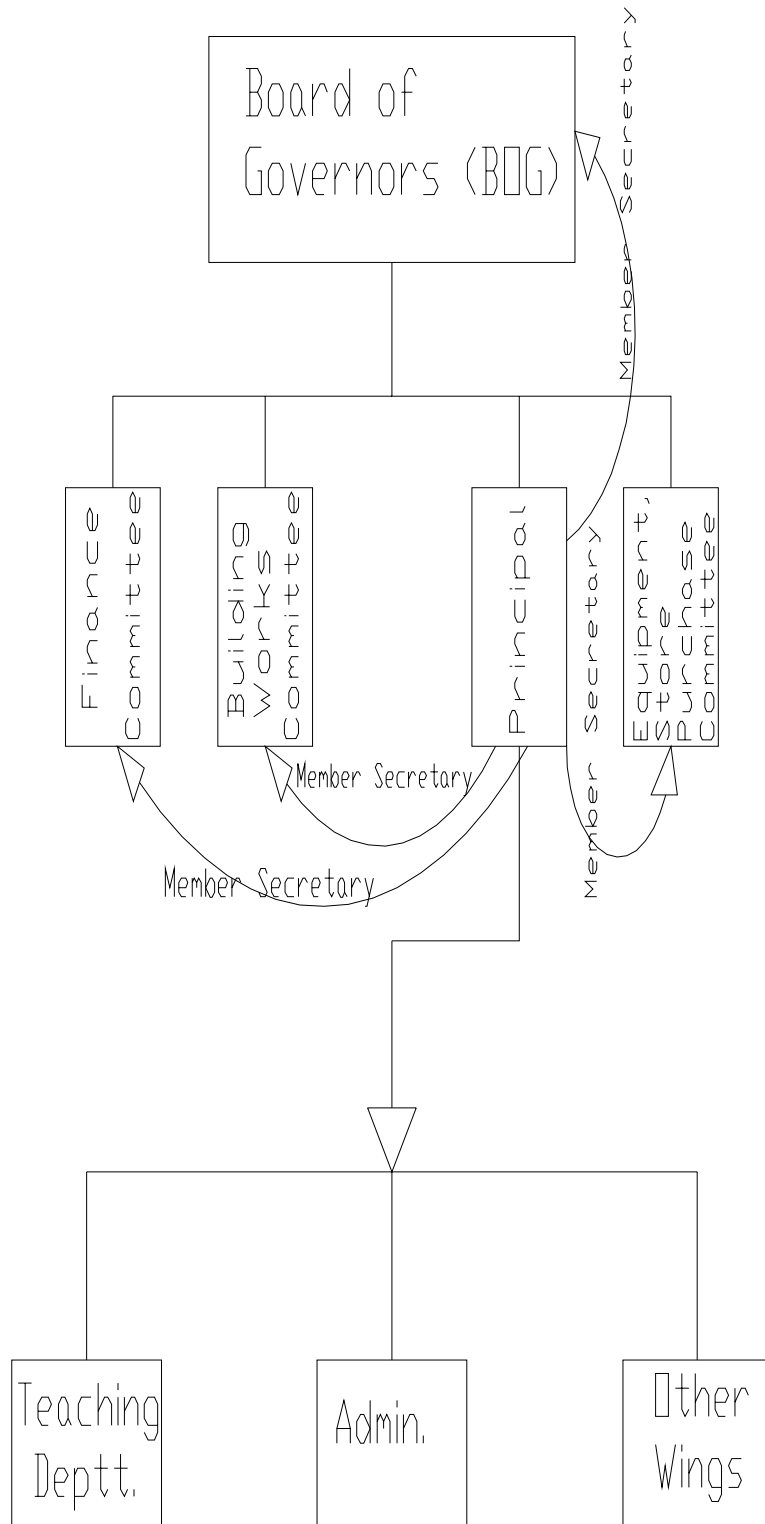
|    |   |                     |
|----|---|---------------------|
| 1. | Principal Secretary, Govt. of Punjab, Department of Technical Education & Industrial Training | Chairman            |
| 2. | Director, Technical Education & Industrial Training, Punjab                                   | Member              |
| 3. | Director, Sant Longowal Institute of Engineering & Technology, Longowal                       | Member              |
| 4. | Director, National Institute of Technology, Jalandhar   | Member              |
| 5. | Chief Engineer, PWD B&R, Punjab   | Member              |
| 6. | Chief Architect, Punjab   | Member              |
| 7. | Chief Engineer, National Buildings Construction Corporation Ltd.                              | Member              |
| 8. | Principal, Beant College of Engineering & Technology, Gurdaspur                               | Member<br>Secretary |

## 3. Equipment & Store Purchase Committee

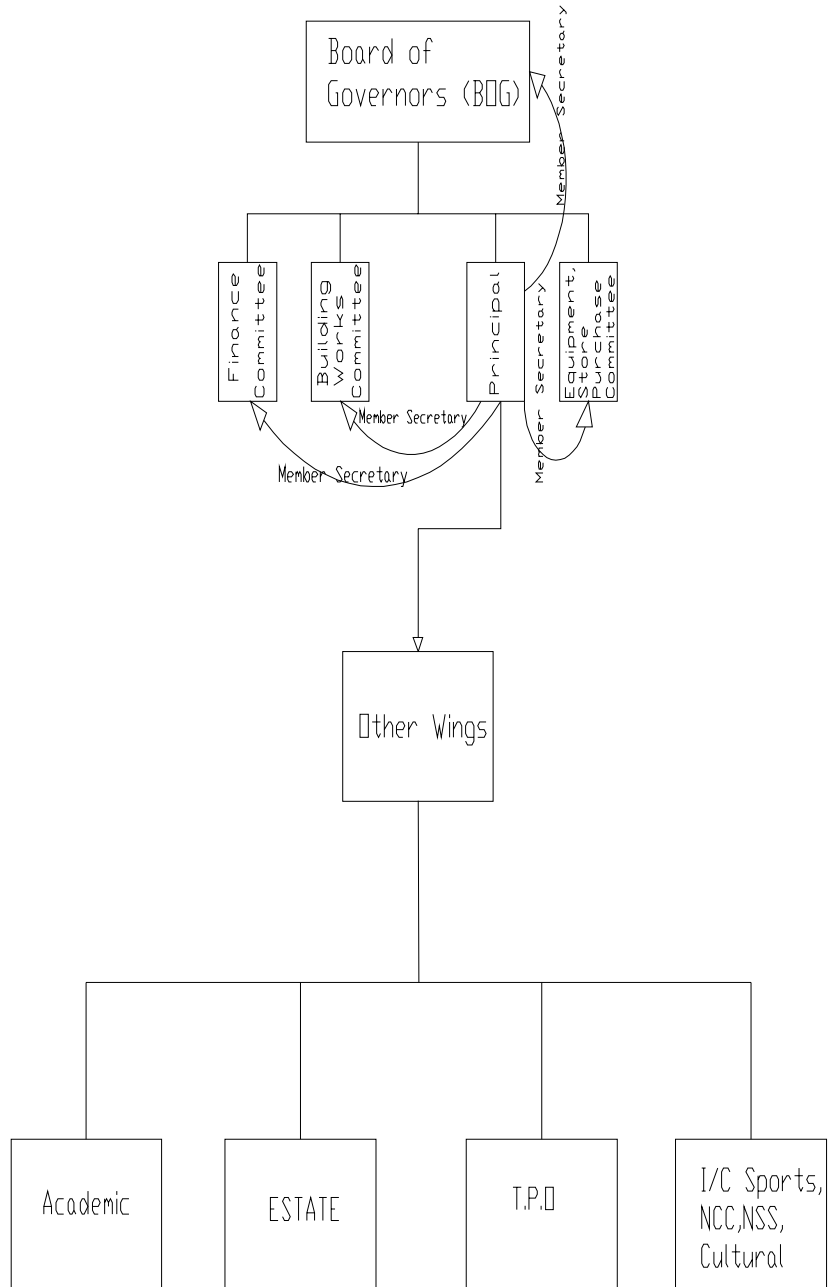
|    |  |          |
|----|--|----------|
| 1. | Director, Technical Education & Industrial Training, Punjab  | Chairman |
| 2. | Representative of the Finance Department (Not below the rank of Deputy Secretary)  | Member   |
| 3. | Principal, Beant College of Engineering & Technology, Gurdaspur  | Member   |
| 4. | Head of Department/Professor/Assistant Professor of the concerned Department   | Member   |
| 5. | One expert in the relevant field in which purchases are being made from any of the following institutes:<br><br>National Institute of Technology, Jalandhar<br>Giani Zail Singh College of Engineering & Technology, Bathinda<br>Thapar Institute of Engineering & Technology, Patiala<br>Guru Nanak Dev Engineering College, Ludhiana<br>Sant Longowal Institute of Engineering & Technology, Sangrur |          |











### **Role and Responsibilities of key senior positions**

BOG and three other committees namely (1) Finance committee, (2) Building & works committee, (3) Equipments and Store purchase committee, are the supreme bodies to take all decisions like creation of posts, filling of posts, funding , purchase ( for Equipments having worth price per item more than 02 lakhs) & other administrative controls.

Principal of the College is member secretary to above mentioned three committees and reports back to BOG as its member secretary also. In addition to it his jobs include planning, management, development and execution for the technical Education.

Heads/Coordinators look for academic management of department in terms of teaching, Research, consultancy, lab practical & result etc.

### **Methods/Style of Administration/Management**

From organizational chart it is clear that Principal manages the whole college with his team of Heads/ Coordinators of different departments/ Sections/Administrative wing. with the aid and advise of BOG and three other committees as indicated above.

### **MASTER PLAN FOR MAIN CAMPUS DEVELOPMENT**

#### **The Site:**

The College is situated on Gurdaspur- Pathankot, G.T. Road in Village Bariar, 4 kilometers away from the city Bus-stand and 3 kilometers away from the city Railway Station. Campus is spread over more than 70 acres (**pl. refer to ANNEXURE – 1**). Gurdaspur district holds an important position in the Majha area of Punjab. The land is very fertile and well irrigated. Therefore, any crop can be grown here, the most important ones being rice, sugarcane and wheat. Amongst various fruits-mango, kinnow and lichi are grown in abundance. The City of Gurdaspur is a district headquarters and is emerging slowly as an important educational centre. Besides the engineering college, an I.T.I. & an institution of Hotel Management, is already functioning in the town. Guru Nanak Dev University has established a Regional Education center with B. Tech., LLB, MBA & MCA programmes being started progressively. An Agricultural Extension Centre (Now under P.A.U.) is functional since 1909. The Gurdaspur town is well connected by

Rail and by Road to various important cities of the State as well as to the National Capital. It could be approached from outside by rail via Amritsar (70 Km) or via Pathankot (36 Km). By road, the general approach is via jalandhar (110 Km) and Batala (37 Km). From Chandigarh, the approach by road is via Hoshiarpur, Tanda and a bridge near Sri Hargobindpur ( 230 Km). Tata Jammu Express connects the City with Delhi and beyond. A few direct buses (Both public and private) also ply between Gurdaspur and other important towns like Chandigarh and Delhi. Hill stations such as Dalhousie (100Km), Dharamshala (120 Km) and Patnitop etc. are easily approachable. The nearest airport is at Amritsar (70 Km).

**Proposed Land Use Pattern:**

The land is utilized in different pattern i.e. in teaching area, play ground area, students accommodation, staff & faculty accommodation, shopping complex, Children parks, dispensary & bank etc. Auditorium, Vehicle shed & Canteen buildings are under process.

**Design Concept:**

The college Project was designed and completed by NBCC & some modification / additions is still going on. College site is surrounded by greenery. Design of the various facilities in the premises is convenient from all point of view.

**Buildings and Facilities in the campus:**

Four teaching blocks i.e. Mechanical Engineering & CSE&IT Block, Science Block, Chemical Engineering Block & Central Workshop, Five Hostels, (four Boys Hostel & one Girls Hostel), Auditorium. Total-157 residential houses-are there as:

| Sr No | Area of each house | No. of houses |
|-------|--------------------|---------------|
| 1.    | 2200 sq. ft.       | 01            |
| 2.    | 1800 sq.ft.        | 08            |
| 3.    | 1300 sq. ft.       | 16            |
| 4.    | 1000 sq. ft.       | 24            |
| 5.    | 750 sq. ft.        | 36            |
| 6.    | 600. sq.ft.        | 36            |
| 7.    | 400 sq.ft.         | 36            |

**External Services:**

The availability of Bank with almost all general facilities along with ATM Service, Shopping Complex i.e. STD, Book Shop & Sweetshop & Fast-food, Milk Booth, (providing all daily need items), Nescafe & Canteen facility is there.

**Construction System and Materials:**

The construction work of the college buildings is done by floating the tenders in the national level news papers by NBCC, the government body. Final inspection of all the buildings is carried out by external committee and task force. Material used for the construction is supplied by NBCC and of the required quality and prescribed specification.

**Landscape Proposal :**

For the beautification and aesthetics of the different areas in the premises, devolvement of parks, plantation of trees, relevant sign boards/map are added keeping in view the existing ones.

**Name and Address of the Institution**

|                     |   |   |  |
|---------------------|---|---|--|
| Name of Institution | Beant College Engineering & Technology, Gurdaspur |   |  |
| Address             | Post Box No. 13, Bariar, Gurdaspur                |   |  |
|                     |   |   |  |
| Village             | Bariar  |   |  |
| Taluk               | Gurdaspur   |   |  |
| District            | Gurdaspur   |   |  |
| Pin                 | 143521  |   |  |
| State               | Punjab  |   |  |
| STD Code            | 01874   | Phone No:221463,221464  |  |
| Fax No.             | 01874-221463                                      | E-Mail : <a href="mailto:principalbcetgurdaspur@yahoo.com">principalbcetgurdaspur@yahoo.com</a><br><a href="mailto:bcet-gsp@punjabmail.gov.in">bcet-gsp@punjabmail.gov.in</a> | Website : <a href="http://bcetgsp.ac.in">bcetgsp.ac.in</a> |
| Nearest Rly Station | Gurdaspur   | Distance in (Kms) (Towards) -04   |  |
| Nearest Airport     |   | Distance in (Kms) (Towards) -75   |  |

**Institutional Identity:**

- Name of the Institution : Beant College of Engg. & Tech., Gurdaspur
- Is the Institution AICTE approved? : Yes
- Furnish AICTE approval no. : North-West/1-6098731/2010/EOA dt. 23.08.10
- Type of Institution : Govt. funded
- Status of Institution : Autonomous Institute

**Academic Information:**

- **Engineering programmes offered in Academic year 2011-12**

| S. No | Title of programmes            | Level (UG, PG, PhD) | Duration (Years) | Year of startin | AICTE sanctioned |
|-------|--------------------------------|---------------------|------------------|-----------------|------------------|
| 1.    | Chemical Engineering           | UG                  | 4                | 1996            | 30               |
| 2.    | Bio Technology                 | UG                  | 4                | 2006            | 60               |
| 3.    | Computer Science & Engineering | UG                  | 4                | 1995            | 120              |
| 4.    | Electronics Communication &    | UG                  | 4                | 1997            | 120              |
| 5.    | Mechanical Engg.               | UG                  | 4                | 1995            | 90               |
| 6.    | Information Technology         | UG                  | 4                | 2001            | 60               |

\*05% seats of annual intake (over & above) are filled as Economically Weaker Category as directed by AICTE, New Delhi IN THE 1<sup>ST</sup> YEAR OF INTAKE.

\*\*20% OF annual intake are filled as LEET students in the 2<sup>nd</sup> year of engineering discipline as per PTU, Jalandhar.

- **Accreditation Status of UG programmes:**

| Title of UG programmes being offered | Whether eligible for accreditation | Accredited Status                                 |
|--------------------------------------|------------------------------------|---|
| Chemical Engineering                 | Yes                                | No  |
| Bio Technology                       | Yes                                | No  |
| Computer Science & Engineering       | Yes                                | Yes (Accredited for three years w.e.f 10.07.2009) |
| Electronics Communication & Engg.    | Yes                                | Yes (Accredited for three years w.e.f 10.07.2009) |
| Mechanical Engg.                     | Yes                                | Yes (Accredited for three years w.e.f 10.07.2009) |
| Information Technology               | Yes                                | No  |

- **Accreditation Status of PG programmes:**

| <b>Title of PG programmes being offered</b> | <b>Whether eligible for accreditation or</b> | <b>Accredited Status</b> |
|---|--|--------------------------|
| M. Tech. (Thermal Engg. )                   | Not eligible                                 | No                       |

**Polytechnic Wing (affiliated with PSTEB, Chandigarh)**

- **Diploma programmes offered in Academic year 2011-12**

| S. No | Title of programmes            | Level   | Duration (Years) | Year of startin | AICTE sanctioned annual Intake |
|-------|--------------------------------|---------|------------------|-----------------|--------------------------------|
| 1.    | Computer Science & Engineering | Diploma | 3                | 2009            | 60                             |
| 2.    | Electronics Communication &    | Diploma | 3                | 2009            | 60                             |
| 3.    | Mechanical Engg.               | Diploma | 3                | 2009            | 60                             |

**School Wing (affiliated with PSEB, Mohali)**

| S. No | Title of programmes | Level    | Year of startin | AICTE sanctioned annual Intake |
|-------|---------------------|----------|-----------------|--------------------------------|
| 1.    | 10+1 (Non-medical)  | Sr. Sec  | 2009            | 50                             |
| 2.    | 10+2 (Non-medical)  | Sr. Sec. | 2009            | 50                             |

**Baseline Data of various engineering disciplines being run in the institution :**

**CHE + BT**

| S. No | Parameters   |                      |
|-------|--|----------------------|
| 1     | Total strength of students in all programmes and all years of study in the year 2009-10  | 351                  |
| 2     | Total women students in all programmes and all years of study in the year 2009-10  | 161                  |
| 3     | Total SC students in all programmes and all years of study in the year 2009-10   | 44                   |
| 4     | Total ST students in all programmes and all years of study in the year 2009-10   | ---                  |
| 5     | Total OBC students in all programmes and all years of study in the year 2009-10  | 11                   |
| 6     | Number of fully functional P-4 and above level computers available for students in the year 2009-10  | 40                   |
| 7     | Total number of text books and reference books available in library for UG and PG students in the year 2009-10   |                      |
| 8     | % of UG students placed through campus interviews in the year 2009-10  |                      |
| 9     | % of PG students placed through campus interviews in the year 2009-10  |                      |
| 10    | % of high quality undergraduates (>75% marks) passed out in the year 2009-10   | 20%                  |
| 11    | % of high quality postgraduates (>75% marks) passed out in the year 2009-10  | --                   |
| 12    | Number of research publications in Indian refereed journals in the year 2009-10  | 2                    |
| 13    | Number of research publications in International refereed journals in the year 2009-10   | 5                    |
| 14    | Number of patents obtained in the year 2009-10   | --                   |
| 15    | Number of patents filed in the year 2009-10  | --                   |
| 16    | Number of sponsored research projects completed in the year 2009-10  | -                    |
| 17    | The transition rate of students in percentage from 1 <sup>st</sup> year to 2 <sup>nd</sup> year in the year 2009-10 for :<br><br>(i) all students<br><br>(ii) SC | 100%<br><br>(i) 100% |
| 18    | IRG from students' fee and other charges in the year 2009-10 (Rs. In lakh)   | -                    |
| 19    | IRG from externally funded R&D projects, consultancies in the year 2009-10 (Rs. in lakh)   | --                   |
| 20    | Total IRG in the year 2009-10 (Rs. in lakh)  | --                   |
| 21    | Total annual recurring expenditure of the applicant entity in the year 2009-10 (Rs. in lakh)   |                      |

### Computer Sc. & Engg.

| S. No | Parameters   |                  |
|-------|--|------------------|
| 1     | Total strength of students in all programmes and all years of study in the year 2009-10  | 94               |
| 2     | Total women students in all programmes and all years of study in the year 2009-10  | 50               |
| 3     | Total SC students in all programmes and all years of study in the year 2009-10   | 21               |
| 4     | Total ST students in all programmes and all years of study in the year 2009-10   | Nil              |
| 5     | Total OBC students in all programmes and all years of study in the year 2009-10  | Inil             |
| 6     | Number of fully functional P-4 and above level computers available for students in the year 2009-10  | 134              |
| 7     | Total number of text books and reference books available in library for UG and PG  |                  |
| 8     | % of UG students placed through campus interviews in the year 2009-10  |                  |
| 9     | % of PG students placed through campus interviews in the year 2009-10  | NA               |
| 10    | % of high quality undergraduates (>75% marks) passed out in the year 2009-10   | 39.4%            |
| 11    | % of high quality postgraduates (>75% marks) passed out in the year 2009-10  | NA               |
| 12    | Number of research publications in Indian refereed journals in the year 2009-10  |                  |
| 13    | Number of research publications in International refereed journals in the year 2009-10   | 04               |
| 14    | Number of patents obtained in the year 2009-10   | Nil              |
| 15    | Number of patents filed in the year 2009-10  | Nil              |
| 16    | Number of sponsored research projects completed in the year 2009-10  | -                |
| 17    | The transition rate of students in percentage from 1 <sup>st</sup> year to 2 <sup>nd</sup> year in the year 2009-10 for :<br><br>(i) all students<br><br>(ii) SC | 100%<br><br>100% |
| 18    | IRG from students' fee and other charges in the year 2009-10 (Rs. In lakh)   | -                |
| 19    | IRG from externally funded R&D projects, consultancies in the year 2009-10 (Rs. in lakh)   | -                |
| 20    | Total IRG in the year 2009-10 (Rs. in lakh)  | -                |
| 21    | Total annual recurring expenditure of the applicant entity in the year 2009-10 (Rs. in lakh)   |                  |



### Information Technology

| S. No | Parameters   |                  |
|-------|--|------------------|
| 1     | Total strength of students in all programmes and all years of study in the year 2009-10  | 65               |
| 2     | Total women students in all programmes and all years of study in the year 2009-10  | 28               |
| 3     | Total SC students in all programmes and all years of study in the year 2009-10   | 15               |
| 4     | Total ST students in all programmes and all years of study in the year 2009-10   | Nil              |
| 5     | Total OBC students in all programmes and all years of study in the year 2009-10  | Nil              |
| 6     | Number of fully functional P-4 and above level computers available for students in the year 2009-10  | 139              |
| 7     | Total number of text books and reference books available in library for UG and PG  |                  |
| 8     | % of UG students placed through campus interviews in the year 2009-10  |                  |
| 9     | % of PG students placed through campus interviews in the year 2009-10  | NA               |
| 10    | % of high quality undergraduates (>75% marks) passed out in the year 2009-10   | 53%              |
| 11    | % of high quality postgraduates (>75% marks) passed out in the year 2009-10  | NA               |
| 12    | Number of research publications in Indian refereed journals in the year 2009-10  |                  |
| 13    | Number of research publications in International refereed journals in the year 2009-10   | 04               |
| 14    | Number of patents obtained in the year 2009-10   | Nil              |
| 15    | Number of patents filed in the year 2009-10  | Nil              |
| 16    | Number of sponsored research projects completed in the year 2009-10  | -                |
| 17    | The transition rate of students in percentage from 1 <sup>st</sup> year to 2 <sup>nd</sup> year in the year 2009-10 for :<br><br>(i) all students<br><br>(ii) SC | 100%<br><br>100% |
| 18    | IRG from students' fee and other charges in the year 2009-10 (Rs. In lakh)   | -                |
| 19    | IRG from externally funded R&D projects, consultancies in the year 2009-10 (Rs. in lakh)   | -                |
| 20    | Total IRG in the year 2009-10 (Rs. in lakh)  | -                |
| 21    | Total annual recurring expenditure of the applicant entity in the year 2009-10 (Rs. in lakh)   |                  |

### Electronics & Comm. Engg.

| S. No | Parameters   |                                |
|-------|--|--------------------------------|
| 1     | Total strength of students in all programmes and all years of study in the year 2009-10  | <b>271</b>                     |
| 2     | Total women students in all programmes and all years of study in the year 2009-10  | <b>67</b>                      |
| 3     | Total SC students in all programmes and all years of study in the year 2009-10   | <b>52</b>                      |
| 4     | Total ST students in all programmes and all years of study in the year 2009-10   | <b>0</b>                       |
| 5     | Total OBC students in all programmes and all years of study in the year 2009-10  | <b>16</b>                      |
| 6     | Number of fully functional P-4 and above level computers available for students in the year 2009-10  | <b>54</b>                      |
| 7     | Total number of text books and reference books available in library for UG and PG  |                                |
| 8     | % of UG students placed through campus interviews in the year 2009-10  |                                |
| 9     | % of PG students placed through campus interviews in the year 2009-10  |                                |
| 10    | % of high quality undergraduates (>75% marks) passed out in the year 2009-10   | <b>20%</b>                     |
| 11    | % of high quality postgraduates (>75% marks) passed out in the year 2009-10  | -                              |
| 12    | Number of research publications in Indian refereed journals in the year 2009-10  | <b>14</b>                      |
| 13    | Number of research publications in International refereed journals in the year 2009-10   | <b>37</b>                      |
| 14    | Number of patents obtained in the year 2009-10   | -                              |
| 15    | Number of patents filed in the year 2009-10  | -                              |
| 16    | Number of sponsored research projects completed in the year 2009-10  | -                              |
| 17    | The transition rate of students in percentage from 1 <sup>st</sup> year to 2 <sup>nd</sup> year in the year 2009-10 for :<br><br>(i) all students<br><br>(ii) SC | <b>100%</b><br><br><b>100%</b> |
| 18    | IRG from students' fee and other charges in the year 2009-10 (Rs. In lakh)   | -                              |
| 19    | IRG from externally funded R&D projects, consultancies in the year 2009-10 (Rs. in lakh)   | -                              |
| 20    | Total IRG in the year 2009-10 (Rs. in lakh)  | -                              |
| 21    | Total annual recurring expenditure of the applicant entity in the year 2009-10 (Rs. in lakh)   |                                |

## Mechanical Engineering

| Sr. No. | Parameters  |                          |
|---------|---|--------------------------|
| 1.      | Total strength of students in all years of study in the year 2009-10  | 407                      |
| 2.      | Total women students in all years of study in the year 2009-10  | 02                       |
| 3.      | Total SC students in all years of study in the year 2009-10   | 85                       |
| 4.      | Total ST students in all years of study in the year 2009-10   | NIL                      |
| 5.      | Total OBC students in all years of study in the year 2009-10  | 20                       |
| 6.      | Number of fully functional P-4 and above level computers available for students in the year 2009-10   | 54                       |
| 7.      | Total no of text books and reference books available in library for UG and PG students in the year 2009-10  | 5474                     |
| 8.      | % of UG students placed through campus interviews in the year 2009-10   | 48%                      |
| 9.      | % of PG students placed through campus interviews in the year 2009-10   | Nil                      |
| 10      | % of high quality UG (>75% marks) passed out in the year 2009-10  | 10%                      |
| 11      | % of high quality PG (>75% marks) passed out in the year 2009-10  | Nil                      |
| 12      | Number of research publications in Indian refereed journal  | Nil                      |
| 13      | Number of research publications in Indian refereed journal  | 27                       |
| 14      | Number of patents obtained in the year 2009-10  | Nil                      |
| 15      | Number of patents filed in the year 2009-10   | Nil                      |
| 16      | Number of sponsored research projects completed in the year 2009-10   | Under Progress           |
| 17      | The transition rate of students in % from 1 <sup>st</sup> yr to 2 <sup>nd</sup> year 2009-10<br>(i) All students<br>(ii) SC<br>(iii) ST<br>(iv) OBC | 20%<br>NIL<br>NIL<br>60% |
| 18      | IRG from students fee and other charges in the year 2009-10 (Rs. In Lakh)   | 0.95 L                   |
| 19      | IRG from externally funded R & D projects , consultancies in the year 2009-10 (Rs. In Lakh)   | 0.21 L                   |
| 20      | Total IRG in the year 2009-10 (Rs. In Lakh)   | 1.16 L                   |
| 21      | Total annual recurring expenditure of the applicant entity in the year 2009-10 (Rs. In Lakh)  | 85 L<br>(Approx.)        |

The state of Punjab has always been forerunner in contributing towards the development of the Country. With the information technology revolution sweeping the world, an urgent need was felt to place Punjab on the map of the country. Therefore, to accelerate the spread of technical and professional education, 03 engineering institutions funded by Government of Punjab came into existence in the year 1990 and 1995.

Beant College of Engineering and Technology, Gurdaspur (BCET) was established by the government of Punjab as an autonomous college, through a Registered Society. The foundation stone was laid on February 28, 1994 and the college was inaugurated on August 20, 1995 by the then Chief Minister, Late Sardar Beant Singh. The College imparts instructions in six disciplines, namely Chemical Engineering, Computer Science & Engineering, Electronics and Communication Engineering, Information Technology, Mechanical Engineering, Production Engineering. The college campus is spread over 69.4 acres of landscape. The college has been planned not only to keep pace with the advancements in these frontal areas of Technology, but also to attain a leading position in the global scenario. The college is affiliated to Punjab Technical University (PTU), Jalandhar and is approved by the All India Council of Technical Education.

The institute has been set up with a view:

- To offer an inspiring learning environment, which transforms our bright young scholars into talented, creative & trained professionals.
- To create a base for the absorption of technological invocations and transferring the same for the benefit and development of Punjab and the country as a whole.

- To develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions.
- To create a center of excellence for providing ‘Quality Education’, Teaching, Research and Consultancy in the fields of Engineering.

With India opening its doors to multinational corporations and the advent of globalization and technological advancement, the need for improvement of quality in Technical Education system in the country is acutely felt to meet the requirements of industry and to enhance its effectiveness, efficiency and outreach for societal development.

The Institute is a mixed blend of different streams of emerging and ever green technologies and is situated in Majha belt of state. Keeping in view, its strategic location on the international border and its opening for trade and commerce, huge increase in economic activity in near future is expected and consequent demand of goods & services can only be met by Engineers of different streams equipped with latest technological knowhow. Thus the present day, need is best met by broad based programmes with latest inputs. The individual engineering disciplines have witnessed an explosion in knowledge with the emergence of new technologies and new trends and also with the increasing role of Computer and Information Technology. In addition to it the worldwide growth of industry and the new economic policy of the nation offer vast number of opportunities to engineering professionals. The ever-increasing demands of technocrats at home and abroad require professionals of high quality.

The long-term objective of this project will include the achievement of academic excellence and autonomy. The project period will include a time span of 10 years with initial years devoted for generation of resources and development of infrastructure and then utilizing these resources for achievement of academic excellence. Compared to 10,000 Masters degree-holders/year and

800 Ph.D. degree holders/year in computer science in USA, only 300 M. Tech degree & 25 Ph.D. holders/year in computer science are produced in our country. For the country to move up the value chain in IT , Bio- Tech industries in particular and to become a super power in knowledge-based industry in general, it is essential to give greater importance to postgraduate education and research. This would be essential if we wish to graduate from mere users of Technology to generators of Technology products and services and wish to become internationally competitive. Recent trends in state are encouraging and there is a greater sense of security and stability and this, combined with the movement towards a market-driven economy, is the right stimulus for an enhanced rate of industrialization. Demand of Technical professionals is increasing tremendously. India being in stage of developing country & at the threshold of getting catapulted to developed country , in addition to ever increasing increase in requirement of Technocrats in conventional streams of Engineering with more emphasis on new innovations in the field, there is huge scope of new emerging fields of Engineering like I.T, Bio Technology and Nano Technology. According to IT Task Force estimates, IT industry would reach a level of US \$100 billion by 2008, of which US \$50 billion would be for software export, US \$ 30 billion for domestic software consumption and US\$ 20 billion for the hardware sector. Similarly Indian biotechnology sector surged 36.5% in 2004-05 To achieve the target level, availability of quality manpower in all these Engineering disciplines is most crucial. With the available resources as demanded in our proposal the Institute will cater the needs of Punjab and adjoining area in particular and national and international demand in general. Under the different laboratories setup in the Institute will serve the community by providing quality education and research facilities. Therefore, there is an urgent need for upgrading the quality and training of engineers coming out of engineering colleges and university departments. The disadvantaged

groups are poorly represented in higher science & technical education in spite of special efforts being made such as special coaching, reservation of seats, award of fellowships / Associateships etc. There is a need to support some of the good performing institutions under technical education system to be upgraded as *centre of excellence* eligible for academic autonomy offering technical degree courses in new and emerging technology areas. This will provide an opportunity to the students for vertical mobility. The Institute is looking forward to begin with the programme, as it is already having strong fundamentals and is a fit case for the up-gradation.

## Quality Policy

- Creation of a sustained learning environment of acquiring technical knowledge and professional application of the same.
- Inculcating amongst our students a deep understanding of the fundamental principles, concepts and practice in all the trades that we offer.
- Creating conducive environment for innovation for translating theoretical knowledge to practical application.
- Maintaining Accountability towards our profession through the process of self evaluation and continuous improvement.
- Development/Strong linkages with Research Institutions and Individual R&D units.
- Preparing budding engineers to meet the ever-increasing technological and social challenges with its traditions of self discipline, hard work, all round personality development and a creative approach to problems.
- Development of human resources to serve the cause of nation building.

## Our Vision

We, all staff and faculty of Beant College of Engineering and Technology, believe in a bright tomorrow filled with a colorful zest and celebrating life in its full glory. We live in an ever-expanding world and love to participate in its growth, with our all technical expertise, know how and humaneness.

To achieve the quality, following process is put into practice:

- Quality is achieved through the good faculty, good infrastructure facilities, labs, computer centre, central workshop, library and the quality/input of students.
- Students are trained through, lecture, tutorials, practical and training imparted at the campus.
- Students are tested through rigorous tests, quizzes and examination systems.
- Students are also given the various other training in NCC, NSS, Technical activities and other curricular activities.
- Finally all out efforts are made to place the students in the reputed industries.



## 1. INFRASTRUCTURE

- Academic Area

### Various Department Buildings

#### Building – 1 :

- Department of Applied Sciences, Hum. & Mgt. (Ground Floor)
- Department of Electronics & Communication Engineering (first Floor)
- Central Library (Second Floor, Right Block)
- Central computer Centre(Second Floor, Left Block)

#### Building – 2 :

- Department of Mechanical Engineering (Ground Floor, Left Block)
- Department of Computer Sc. & Engineering (Ground Floor, Right Block)
- Department of Information Technology (Ground Floor, Right Block)
- Lecture Halls/Drawing Hall (First Floor)
- Department of Bio-Technology (First Floor, Right Block)

#### Building – 3 :

- Department of Chemical Engineering (First Floor, Left Block)
- Department of Bio-Technology (First Floor, Right Block)
- Administrative Wing (Ground Floor)

#### Building – 4 :

- Central Workshop (Ground Floor)

- Instructional Area

|  | Particulars              | Number of rooms          |                              | Carpet area of each room        |                                     |
|--|--------------------------|--------------------------|------------------------------|---------------------------------|-------------------------------------|
|  |                          | Requirement as per norms | Available in the institution | Requirement as per norms (Sq.M) | Available in the Institution (Sq.M) |
|  | Class Rooms              | 15                       | 15                           | 990                             | 1175                                |
|  | Tutorial Hall            | 13                       | 13                           | 468                             | 590                                 |
|  | Drawing Hall             | 02                       | 02                           | 350                             | 350                                 |
|  | Computer Centre          | 01                       | 01                           | 300                             | 526                                 |
|  | Library                  | 01                       | 01                           | 400                             | 424                                 |
|  | Laboratories & workshops | 33                       | 39                           | 3850                            | 4200                                |
|  | Seminar Halls            | --                       | 01                           | 60                              | 66                                  |
|  | Total                    | 65                       | 71                           | 6358                            | 7331                                |

- Administrative and Amenities area

| S. No. | Particulars                 | Number | AICTE / PTU Norms (sqm) | Available (sqm)      |
|--------|-----------------------------|--------|-------------------------|----------------------|
| 1.     | Principals Office           | 01     | --                      | 98.30                |
| 2.     | Faculty Room                | 52     | --                      | 780                  |
| 3.     | Administrative Staff Office | 20     | --                      | 500                  |
| 4.     | Amenities                   | --     | 800                     | 1700                 |
| 5.     | Cafeteria                   | 01     | --                      | (under construction) |

• **Various Hostels**

| S. No. | Name of the Hostel | Constructed Area | Seating Capacity | Residents |
|--------|--------------------|------------------|------------------|-----------|
| 1.     | Hostel No. 01      | 3204 Sq. M.      | 270              | Boys      |
| 2.     | Hostel No. 02      | 3266 Sq. M.      | 222              | Boys      |
| 3.     | Hostel No. 03      | 2860 Sq. M.      | 199              | Boys      |
| 4.     | Hostel No. 04      | 2872 Sq. M.      | 201              | Boys      |
| 5.     | Hostel No. 05      | 1896 Sq. M.      | 182              | Girls     |
|        | Total Area         | 14098 Sq. M.     |                  |           |

• **Residential Area**

| S. No. | Particulars     | Number | AICTE / PTU Norms (sqm) | Available (sqm) |
|--------|-----------------|--------|-------------------------|-----------------|
| 1.     | Staff Quarter   | 08     | 170                     | 1360            |
|        |                 | 16     | 120                     | 1920            |
|        |                 | 24     | 100                     | 2400            |
|        |                 | 36     | 70                      | 2520            |
|        |                 | 48     | 55                      | 2640            |
|        |                 | 36     | 40                      | 1440            |
| 2.     | Principal house | 01     | 200                     | 205             |
|        |                 |        |                         | Total: 12485    |
| 3.     | Hostels         |        |                         |                 |
|        | (a) Boys        | 04     | --                      | 12202           |
|        | (b) Girls       | 01     | --                      | 1896            |

• **Other Amenities**

| S. No. | Parameter   | Availability                    |
|--------|---|---------------------------------|
| 1      | All Weather Approach Road (cemented / kuchha)                       | Yes (Bitumenous/ Cemented Road) |
| 2      | Potable Water Supply System (own bore well / municipal corporation) | Yes (Own bore well)             |
| 3      | Electrical Generator (5kv, 5-10 kv, 10-15 kv, more than 20 kv)      | 125 KVA and 250 KVA             |
| 4      | Students' Canteen   | Yes                             |
| 5      | Students' Common Room (Boys / Girls)                                | Yes                             |

|     |  |   |                     |
|-----|--|---|---------------------|
| 6   | Hostel Capacity  | Boys (1-4)  | 270+222+199+201=892 |
|     |  | Girls   | 182                 |
| 7   | Principal's Quarters   | Yes   |                     |
| 8   | Digital Library  | In Process  |                     |
| 9   | Quarters for Faculty   | Yes   |                     |
| 10  | Guest House  | Yes   |                     |
| 11  | Parking facilities   | Yes   |                     |
| 12  | Medical facilities (full time / part time doctor / dispensary) | Yes (Full-Time Doctor, Nurse and Attendants and Dispensary) |                     |
| 13  | Insurance facilities   | Yes   |                     |
| 14  | Telephone booth  | Yes   |                     |
| 15  | Gymnasium /indoor / outdoor stadium                            | Yes   |                     |
| 16  | Rainwater-harvesting facilities are available                  | No  |                     |
| 17  | Post office facility   | Situated very much near the college                         |                     |
| 18  | Bank facility  | Yes   |                     |
| 19  | Transport facility for day scholars                            | Yes   |                     |
| 20. | Reprographic facilities in the Institutions.                   | Yes   |                     |
| 21. | Barrier free environment for physically challenged.            | Yes   |                     |

Total Area Administrative + Academic + Amenities + Residential + Others

$$: 1380 + 7331 + 1700 + 26583 (12485 + 14098) + 2800 = 39794 \text{ Sq. M.}$$

## 2. LECTURE HALLS/SEMINAR HALLS/DRAWING HALLS

- Furniture : The departments are well equipped with Desk-type / Drawing-type / Tutorial-type furniture to cater the academic needs of the students as per the norms.
- Multimedia Facilities : The departments are fully exploiting the usage of Over Head Projector (OHP) / LCD and the charts in concern. The Chalk-Duster environment is provided in every class-room and the tutorial rooms. The Electronic White Board is also available for its usage in the various kinds of presentations, to be taken-up by the students and faculty. The plotter is also in the computer centre for its usage and extensive exploitation. The classroom, drawing halls, seminar hall etc. are adequately furnished and equipped with teaching aids.

## PART-II : SUPPLY OF INFORMATION BASED ON CRITERIA

### 1. ACADEMIC REPUTATION AND PROVISIONS (performance in University examinations and other academic activities)

Pass percentage of the outgoing academic batch in the respective years is tabulated herewith.

| S. No | Title of programmes               | Sanctioned intake | Pass % 2011 | Pass % 2010 | Pass % 2009 |
|-------|-----------------------------------|-------------------|-------------|-------------|-------------|
| 1.    | Chemical Engineering              | 30                |             |             |             |
| 2.    | Bio Technology                    | 60                |             |             |             |
| 3.    | Computer Science & Engineering    | 120               |             |             |             |
| 4.    | Electronics Communication & Engg. | 120               |             |             |             |
| 5.    | Mechanical Engg.                  | 90                | 66.31       |             | 61.11       |
| 6.    | Information Technology            | 60                |             |             |             |

### 2. ACADEMIC ATTAINMENTS OF THE STAFF

| S. No | Title of programmes                     | Ph. D. | M. Tech/M. Phil. | M. Sc./M.A /MBA | B. Tech. |
|-------|---|--------|------------------|-----------------|----------|
| 1.    | Chemical Engineering and Bio Technology | 1      | 6                | -               | 5        |
| 3.    | Computer Science & Engineering          | 2      | 7                | -               | 04       |
| 4.    | Electronics Communication & Engg.       | 3      | 4                | -               | 03       |
| 5.    | Mechanical Engg.                        | 10     | 09               | -               | 04       |
| 6.    | Information Technology                  | -      | 2                | -               | 07       |
| 7.    | Applied Sciences, Hum. & Mgt.           | 6      | 3                | 8               | -        |

Academic attainments of non-teaching and technical staff :

- Sh Sarwan Kumar, Technical assistant in the department of Mechanical Engg completed his AMIE and M. Tech in the year 2003 and 2007 resp.
- Sh Surinder Singh & Sh Gurnnam Singh, workshop instructor completed their B.Tech degree in 2008 and hence promoted to Lecturer (W/S Practices)

- Dr. Tahir Ahmad completed his Ph.D degree in library sciences in year of 2006 and was promoted under CAS.
- Sh. Inderpal Singh, Registrar has completed his LLB (Academic) in 2002
- Sh. Rajmaninder Singh, Supdt. has completed his LLB(Academic) March 2002
- Sh. Kulwinder Bali, Sr. Asstt. has completed his Post Graduation ( Pol. Science) in June 2002
- Sh. Madan Lal, Sr. Asstt. Completed his MBA in June 2007
- Smt. Rajwinder Kaur, Jr. Asstt. Has completed her BA in June 2008
- Smt. Rajinderpal Kaur, Clerk has completed her BA in Dec 2007
- Sh. Vikramjit Singh, Skilled Asstt. has completed his Diploma (Mech) in Sept 2005
- Sh. Hazoor Singh, Workshop Attendant Has completed his Diploma (Mech) in Aug 2005
- Sh. Ajmer Singh, Skilled Asstt. has completed his CTI in July 2002

### **3. MODE OF SELECTION OF STUDENTS AND TEACHERS**

- Admission to various engineering disciplines is being made through the centralized AIEEE test conducted by CBSE, New Delhi and centralized online counseling conducted by PTU, Jalandhar.
- Faculty is appointed through the Directorate of Technical Education & Industrial Training, Punjab, Chandigarh by following the rules and guidelines of AICTE, New Delhi and Government of Punjab.

### **4. PHYSICAL FACILITIES i.e. library, accommodation and equipment**

#### **CENTRAL FACILITIES**

##### **(A) CENTRAL LIBRARY**

Central Library occupies an important position in an educational institution for providing continuous education to the aspirants. The library started functioning from the inception of the college. To inform, inspire types and develop its user intellectually, the college library maintains the following types of collections:

- General Books

- Text Books
- Reference Books/Encyclopedia/Hand Books
- Standards/Manuals
- Conference/Seminar Proceedings
- Books for Competitive Examinations
- Journals/Periodicals & magazines
- News Letters
- Product Catalogues
- Project CO'S/Research Papers etc.

The Library operates on open system. The collection of books etc. is being built at a faster rate. There are 20000 books, back volumes of journals, standards & manuals in the library at present and 2500 books to be added by the end of this year. All the library books are classified according to DOC 21st ed and catalogued according to MCR-II. The Books are issued to the under graduate students for a period of 14 days and the faculty for full semester. There are over 500 standards and manuals. Multi-copies of textbooks are also available for daily use, for reference and for over night issue. The library subscribes to many National & International Journals/periodicals. Some of these are Transactions of the ASME: Journals of Manufacturing Science & Engineering Journal of Heat Transfer, IEEE Tran .in Comm. Engg., Machine Design, SAE Automotive Engineering, Mechanical Engineering, AIVhE Journals, all relevant journals of Institution of Engineers (India), CSIR and TERI. The library has also initiated the following functions :

- Abstract of technical articles selected from various News Papers.
- Current Awareness Services
- Inter-Library loan service on demand.
- Newspaper clippings for Technical articles.
- Photo-copying/cyclostyling/Binding & Lamination services on payment basis.
- Conference/Seminar information.
- Book Bank facilities for SC/ST & Economically weaker section.

Library is also having an institutional membership of TATA Energy Research Institute (TERI), the Institute of Engineers (India) and the ISTE.

Membership : Library has also a membership of DELNET, Delhi.

## INDEST AND E-Journals

|   |   |       |
|---|---|-------|
| Total No. of Books                                  | : | 24000 |
| Journals  |   |       |
| a) International/Foreign Journal<br>(List enclosed) | : | 12    |
| b) IEE/IEEE Journals                                | : | 162   |
| c) National/Indian Journal<br>(List enclosed)       | : | 46    |
| d) TERI Journals/Magazines                          | : | 09    |
| e) Magazines  | : | 25    |
| f) News Papers                                      | : | 11    |

### Facilities

Air-conditioned reading Hall with seating capacity of 40 students  
 10 Terminals with Internet facilities  
 DELNET membership with log number: pbbcet  
 TERI membership  
 Book bank Facilities  
 Photostat facilities

Number of Library books/Titles/Journals available (programme-wise)

| S.No | Course(s)                                       | Number of titles of the books | Number of volumes | Journals |               |
|------|---|-------------------------------|-------------------|----------|---------------|
|      |   |                               |                   | National | International |
| 1.   | Computer Sc. & Engineering/<br>Information Tech | 2065                          | 5813              | 06       | --            |
| 2.   | Mechanical Engineering                          | 1240                          | 3173              | 09       | 04            |
| 3.   | Production Engineering                          | 1029                          | 2286              |          |               |
| 4.   | Electronics & Comm<br>Engineering               | 1379                          | 3864              | 05       | --            |
| 5.   | Chemical Engineering                            | 1655                          | 3195              | 05       | 05            |
| 6.   | Applied Sciences, Hum. &<br>Mgmt.               | 1240                          | 2900              | 20       | 01            |
| 7.   | Bio-Technology                                  | 17                            | 201               | 03       | 02            |

\* DELNET (Developing Library Network) membership available.

\* INDEST Membership available for the online subscription of 162 IEE and IEEE journals.

\* TERI (Tata Energy Research Institute) membership for the 10 national journals available.

**(PL. REFER TO ANNEXURE – II)**

## Computer Centre

The College has well-developed computer centre which caters to the computational needs of students & faculty of all departments. The centre is equipped with latest hardware and software to train the students to face the global challenges. Various labs of the computer centre are Software Labs -I to VII, Internet Laboratory. The equipment in these labs include: Dell Power Edge 1300 servers, Intel PIII 550 MHz, IBM Netfinity-3000 server (Intel Pentium II 350 MHz -Duel processor), Digital Servers (Intel P-II 300 MHz), Zenith One Up Model

(Intel Pentium II 333 MHz), Zenith 133 MHz, Dot Matrix printers, Laser Printers, Scanner HP 4c, HP695 Cci DeskJet Printers, AO-A4 size plotter, External CD Rewriters. Recently, 230 (Hewlett Parkard) computers have been purchased for the computer labs and campus wide networking of the college. All the buildings of the college including boys and girl's hostel have been connected with this network and each hostel is having a separate computer labs. 2 MBPS internet leased line connection has been installed in the college. EPBAX system is also installed in the college.

Software Available in the centre includes Windows NT 4.0, Novell Netware, SCO Unix, Oracle Server Enterprise Edition Release 8.0.4, Oracle Developer /2000 Release 2.1, Autocad, Mechanical Desktop, Visual C++ , Visual Basic, Visual Foxpro, MS Office.

**(PL. REFER TO ANNEXURE – III)**

## Workshop

There is a large & well-equipped workshop for engineering skills to the students. Workshop is equipped with latest modern machines having high degree of accuracy. Workshop gives the training to the student's basic knowledge of production, properties of different type of machine tools, equipment machinery and new techniques of manufacturing and also gives a sound practical out-look to students. In May-June months, workshop conducts a training programme/industrial tours in reputed industries like (R.C.F. Kapurthala, HMT Pinjore, PTL Mohali, Sugar Mills, Central Tool Room, Thermal Power Plants etc. for the various technologies and subsequently operation of the plants.

**(PL. REFER TO ANNEXURE – IV)**



## (B) ACCOMODATION

(1) Residential houses available as under :

| Sr No | Area of each house | No. of houses |
|-------|--------------------|---------------|
| 1.    | 2200 sq. ft.       | 01            |
| 2.    | 1800 sq.ft.        | 08            |
| 3.    | 1300 sq. ft.       | 16            |
| 4.    | 1000 sq. ft.       | 24            |
| 5.    | 750 sq. ft.        | 36            |
| 6.    | 600. sq.ft.        | 36            |
| 7.    | 400 sq.ft.         | 36            |

(2) Total number of rooms available in the hostel:

| Hostel        | Rooms | Capacity |
|---------------|-------|----------|
| Boys Hostel 1 | 90    | 270      |
| Boys Hostel 2 | 74    | 222      |
| Boys Hostel 3 | 199   | 199      |
| Boys Hostel 4 | 200   | 200      |
| Girls Hostel  | 82    | 130      |

## (C) EQUIPMENT DETAILS OF LABORATORIES & WORKSHOP

| Details of Laboratories & Workshops |                    |  |                                 |  |  |
|-------------------------------------|--------------------|--|---------------------------------|--|--|
| S.No                                | Name of the Course | Name of the laboratory/workshop                          | Total Area of lab/workshop (m2) | Major equipment  |  |
| 1.                                  |                    | Chemical Process Technology<br>Environmental Engineering | 138                             | Gas Chromatography, Flash point, fire point apparatus, Muffle furnace<br>Water Analysis Kit, Venturi Scrubber, Volume Sampler, |  |

|  |    |                                |                               |     |  |
|--|----|--------------------------------|-------------------------------|-----|--|
|  |    | Chemical Engineering           | Heat Transfer Lab.            | 136 | Apparatus for Measuring Thermal conductivity, Heat Transfer co-efficient, Pin Fin Apparatus, Double Pipe Heat exchanger, Single Effect Evaporator,<br><br>Distillation column, liquid-liquid extraction, diffusion apparatus, wetted wall column |
|  |    |                                | Mass Transfer Lab.            |     |  |
|  |    |                                | Chemical Process Control      | 136 | Flow & Liquid level controller, PID Control System,<br><br>Batch Reactor , PFR, CSTR,  |
|  |    |                                | Chemical Reaction Engineering |     |  |
|  |    |                                | Software Engineering          | 54  | 20-Pentium-IV Computer, S/W for Auto CAD, MATLAB.  |
|  |    |                                | Mechanical Operation          | 171 | Cyclone Separators, Jaw crusher, Roll crusher, Filter Press,   |
|  | 2. | Bio-Technology                 | Micro-Biology Lab             | 171 | Autoclave, BOD Incubator, Colony Counter, compound microscope, Laminar Flow chamber, Haemocytometer, Ocular Micrometer, Spcetrophotometer, Vortex Shaker   |
|  |    |                                | Bio-Chemistry Lab             | 171 | <b>Incubator, Magnetic stirrer, Micropipettes, Table Centrifuge</b>  |
|  | 3. | Computer Science & Engineering | Operating System lab          | 171 | P-IV Computer Systems  |
|  |    |                                | C++ Lab                       | 75  |  |
|  |    |                                | Data Structure Lab            | 75  |  |
|  |    |                                | Computer Network Lab          | 75  |  |

|   |                                 |   |     |  |
|---|---------------------------------|---|-----|--|
| 4.  | Information Technology          | Computer Graphics Lab   | 171 | P-IV Computer Systems  |
|   |                                 | Windows Programming Lab   | 75  |  |
|   |                                 | DBMS lab  | 75  |  |
|   |                                 | E-Commerce Lab  | 75  |  |
| 5.  | Electronics & Comm. Engineering | Basic Electrical Engineering  | 142 | Linear I.C. Board, L-C-R meter<br>Measurement kits, CRO, function generator,<br><br>Induction motor, D.C motor, machine Tutor, |
|   |                                 | Instrumentation & Control   |     |  |
|   |                                 | Measurement Lab.  |     |  |
|   |                                 | Micro-processor Lab.<br>Micro-Controller Lab.<br>PCB Lab.   |     |  |
| Digital Electronics Lab.<br><br>LIC Lab.<br><br>Analog Electronics Lab. | 110                             | CRO's (30 MHz, 40MHz<br><br>60MHz), Function Generator, Digital Training counter Module Logic Training Board, Flip-Flops trainer Kits, Op. Amp. kits, PLL kits VCO using 565, 566 Amplifier and filter kits   |     |  |
| Digital Comm. Lab.  | 104                             | CRO's (30 MHz, 60 MHz) Digital storage oscilloscope, Function generator, Modulation & Demodulation kits, FM transmitter Receiver kit FS,K A.S.K. TDMA, CDMA, Wave form synthesizer PCM Data conditioning and re conditioning Modulation kits Fiber optic Trainee kits . |     |  |

|    |                        |  |  |     |  |
|----|------------------------|--|--|-----|--|
|    |                        |  | Microwave Lab.<br>T.V. Lab.            | 55  | Complete Bench of Microwave Lab,<br>Black & White TV Trainer Remote control colored T.V trainer and Black & white & colour T.V trainer separate section, spectrum Analyzer CRO, Multifunction (100 MHz)  |
|    |                        |  | Computer Lab.<br>DSP Lab.<br>VLSI Lab. | 112 | 20 P-IV Computers<br>MAT LAB   |
| 5. | Mechanical Engineering | Fluid Mechanics & Fluid Machinery                  |  | 171 | Apparatus for verification of Bernoulli's theorem, Laminar and Turbulent flow apparatus,<br><br>Hydraulic Bench, Multistage centrifugal pump Test Rig, Pelton Wheel Turbine, Francis Turbine Test Rig, Kaplan Turbine Test Rig, Reciprocating Pump Test Rig, Hydraulic Ram, etc.             |
|    |                        | Theory of Machine Lab.<br><br>Strength of Material |  | 171 | Apparatus motorized gyroscope, Apparatus coriolis component of acceleration, Apparatus of universal governor, Apparatus of cam analysis machine, Apparatus journal bearing, etc.<br><br>Universal testing Machine, Impact test Machine, Hardness Test machine, Torsion testing Machine, etc. |
|    |                        | CAD/CAM Lab  |  | 142 | Flexible Manufacturing System comprising of Milling and Lathe Machines, Robots and CAD Lab.  |
|    |                        | Machining Science lab                              |  | 171 | EDM, Special Purpose erosion machine, Lathe Tool Dynamometer, Drilling Tool Dynamometer, Milling Tool Dynamometer, etc.  |
|    |                        | Metrology Lab.                                     |  | 171 |  |

|    |                  |   |     |  |
|----|------------------|---|-----|--|
|    |                  | Thermal Engineering Lab.<br><br>Refrigeration & Air-conditioning Lab.<br><br>Heat Transfer Lab. | 171 | Air compressor test rig double stage,<br>Stake monitoring kit,<br>Gas liquid chromatograph,<br>Multi cylinder diesel (old) cut section made working model,<br>Four cylinder four stroke petrol engine test rig,<br>Single cylinder four stroke test rig etc.<br>Refrigeration test rig, Water cooler test rig, Air conditioning test rig etc.<br>Parallel and Counter flow heat exchanger, Apparatus for free and forced convection etc. |
| 6. | Central Workshop | Machine Shop  | 290 | Lathe HMT – 05<br>Lathe Padmini – 05<br>Capstan Lathe – 01<br>Planner – 01<br>Slotter – 01<br>Uni. Tool & Cutter grinder - 01<br>Radial Drilling M/C HMT - 01 No.<br>Uni. Milling M/C -01<br>Pillar type Drilling M/C- 01<br>C.N.C. Lathe & Milling -1+1 No.<br>Power saw M/C – 01 No.<br>Pedestal grinder – 01 No.  |
|    |                  | Welding Shop  | 105 | A.C. Arc welding set -02 No.<br>Portable Arc welding M/C-02 No.<br>MIG welding M/C- 01 No.<br>T.I.G. welding M/C – 01 No.<br>Spot welding M/C – 01 No.<br>Oxy- Acetylene gas welding - 02 no., Bench Vice- 08 No.  |
|    |                  | Heat Treatment Shop   | 156 | Muffle furnace<br>Carburizing Furnace Metallurgical finisher M/C<br>Metallurgical Microscope<br>Metallurgical mounting press<br>Abrasive disc cut off M/C<br>Polishing M/C<br>Jominy end quench test M/C   |

|  |    |                  |                  |     |  |
|--|----|------------------|------------------|-----|--|
|  |    |                  | Smithy Shop      | 115 | Open Hearth Furnace<br>Power Hammer 50 kg.<br>Anvil, Swage Block   |
|  |    |                  | Foundry Shop     | 169 | Sand Muller<br>Oil Fired Tilting furnace<br>Pit furnace<br>Drying oven<br>Permeability Meter<br>Moulding Box   |
|  |    |                  | Carpentry Shop   | 105 | Wooden Lathe<br>Universal cutting M/C<br>Circular Saw<br>Bandsaw M/C   |
|  |    |                  | Fitting Shop     | 106 | Drilling M/C,<br>Portable drilling M/C<br>Vernier Height Gauge<br>Combination set<br>Micrometer<br>Vernier caliper<br>Bench Vice<br>Bench grinder<br>Surface plate |
|  |    |                  | Sheet metal Shop | 105 | Edge folding M/C<br>Pipe bending M/C<br>Rolling & Bending M/C<br>Fly Press<br>Arbour press<br>Circular cutting M/C<br>Hand liner shirring M/C                      |
|  |    |                  | Electrical Shop  | 54  | Hand drilling M/C, Pedestal drilling<br>M/C, Multimeter, Voltmeter   |
|  | 7. | Applied Sciences | Physics Lab.     | 169 | Advanced Laser Kit, Ultrasonic<br>Interferometer, Four Probe Set-up,<br>Energy Band Gap Kits, Optoelectronic<br>Kits   |
|  |    |                  | Chemistry Lab.   | 166 | Atomic Absorption<br>Spectrophotometer, UV, Visible<br>Spectrophotometer, Bomb<br>Calorimeter, Distillation Apparatus.   |

## 5. INSTITUTIONAL MANAGEMENT

### FINANCIAL INCOME DETAILS of 2011-12

| S. No. |                                      | INCOME ( in lacs) |
|--------|--------------------------------------|-------------------|
| 1.     | Income From Central Govt             | 00.00             |
| 2.     | Income From State Govt               | 00.00             |
| 3.     | Income from Student Fees             | 96,886,107        |
| 4.     | Income from Donations                | 00.00             |
| 5.     | Income from UGC                      | 00.00             |
| 6.     | Income from other Bodies             | 00.00             |
| 7.     | Income from Other / Internal Revenue | 17,467,186        |
|        | Total income                         | 114,353,293       |

### FINANCIAL EXPENDITURE DETAILS of 2011-12

| S. No. |                                | INCOME ( in lacs) |
|--------|--------------------------------|-------------------|
| 1.     | Salary Teaching staff          | 42,314,100        |
| 2.     | Remuneration to visiting/Guest | 21,108            |
| 3.     | Salary non-teaching staff      | 34,340,979        |
| 4.     | Library                        | 824,764           |
| 5.     | Equipment                      | 998,554           |
| 6.     | Building Maintenance           | 513,586           |
| 7.     | Other Expenditure              | 10,904,681        |
|        | Total Expenditure              | 89,917,772        |

### Operation Funds

| Bank                  | Account Number / FD Number | Cash Balance / FDR(in Rs) |  |
|-----------------------|----------------------------|---------------------------|--|
| State Bank of Patiala | 55108985737                | 91,777,709                |  |

**6. FINANCIAL RESOURCES, WHICH THE MANAGANEMENT CAN PROVIDE FOR THE DEVELOPMENT OF THE INSTITUTION**

**2011-12**

| S. No. | Finance Operational Heads | Amount (in lacs) | Utilization Activities   |
|--------|---------------------------|------------------|--|
| 1.     | Student/amalgamated Fund  | 98.28            | Sports, medical, projection club, NCC, NSS, Library, annual college function, Convocation, Innovative fund (Projects and paper presentation)   |
| 2.     | Development Fund          | 228.15           | Upgradation of labs/Workshop, campus development, Library books, hostel, office furniture & fixtures, medical equipments etc., maintenance of civil, electrical works etc., STTP, TPO cell, Internet connectivity, |
| 3.     | Main Account              | 514.85           | Vehicle running, telephone expenses, Horticulture, security, sweeping Wages, maintenance of machinery, TA/DA/LTC, Electricity expenses,  |
| 4.     | Tuition Fee Account       | 1488.01          | Pay and Allowances   |

**7. THE RESPONSIVENESS OF THE ADMINISTRATIVE STRUCTURE TO THE VIEWS OF THE STAFF AND STUDENTS**

BEANT COLLEGE OF ENGINEERING & TECHNOLOGY GURDASPUR

STUDENT'S FEEDBACK FORM

1. Session \_\_\_\_\_ Class \_\_\_\_\_ Subject \_\_\_\_\_
2. Name of Teacher \_\_\_\_\_
3. Note : (1) Please do not disclose your identity anywhere on this form
4. (2)Please tick mark in the appropriate column to give your response.
- 5.
6. (I) Teaching Attributes:-
- 7.

| Sr. No. | Attribute                                   | Excellent | V.Good | Good | Fair | Poor |
|---------|---|-----------|--------|------|------|------|
| 1       | Knowledge of the Subject.                   |           |        |      |      |      |
| 2       | Way of Teaching/Method of Expression        |           |        |      |      |      |
| 3       | Oral Communication in Class                 |           |        |      |      |      |
| 4       | Interaction with students in Tutorial class |           |        |      |      |      |



|    |   |  |  |  |  |  |
|----|---|--|--|--|--|--|
| 5  | Experimental skills in Lab Class                        |  |  |  |  |  |
| 6  | Use of Teaching Aids                                    |  |  |  |  |  |
| 7  | Punctuality in class                                    |  |  |  |  |  |
| 8  | Regularity in Evaluation and Return of Home Assignments |  |  |  |  |  |
| 9  | Regularity in Evaluation and Return of Class tests      |  |  |  |  |  |
| 10 | Assessment of students                                  |  |  |  |  |  |

8.

9. (II) General Attributes:-

10.

| Sr. No. | Attribute                      | Excellent | V.Good | Good | Fair | Poor |
|---------|--------------------------------|-----------|--------|------|------|------|
| 1       | Control of class               |           |        |      |      |      |
| 2       | Ability of Motivating students |           |        |      |      |      |
| 3       | Integrity                      |           |        |      |      |      |
| 4       | Ability to take Initiative     |           |        |      |      |      |
| 5       | Sense of Humor                 |           |        |      |      |      |

11.

12. (III) Other Considerations:-

13.

14. (i) Would you like to study another subject from the same teacher? YES/NO

15. (ii) Should the same teacher continue to teach this subject to forthcoming batches? YES/NO

16. (iii) What is your overall rating of the teacher on an overall scale of 10?

Please refer to Annexure – V for various kinds of feedback Performa being exercised from the students and staff.

8. EXTENT OF FREEDOM ENJOYED BY THE STAFF FOR THE ADVANCED SCHOLARSHIPS, RESEARCH AND EXPERIMENTATION AND INVOLVEMENT IN EDUCATIONAL INNOVATION AND REFORMS

## 9. **PART – III : IMPLEMENTATION OF AUTONOMY**

### AIMS AND OBJECTIVES

- To offer an inspiring learning environment, which transforms our bright young scholars into talented, creative & trained professionals.
- To create a base for the absorption of technological invocations and transferring the same for the benefit and development of Punjab and the country as a whole.
- To develop human potential to its fullest extent so that intellectually capable and imaginatively gifted leaders can emerge in a range of professions.
- To create a center of excellence for providing ‘Quality Education’, Teaching, Research and Consultancy in the fields of Engineering.

### Our Vision

We, all staff and faculty of Beant College of Engineering and Technology, believe in a bright tomorrow filled with a colorful zest and celebrating life in its full glory. We live in an ever-expanding world and love to participate in its growth, with our all technical expertise, know-how and humaneness.

To achieve the quality, following process is put into practice:

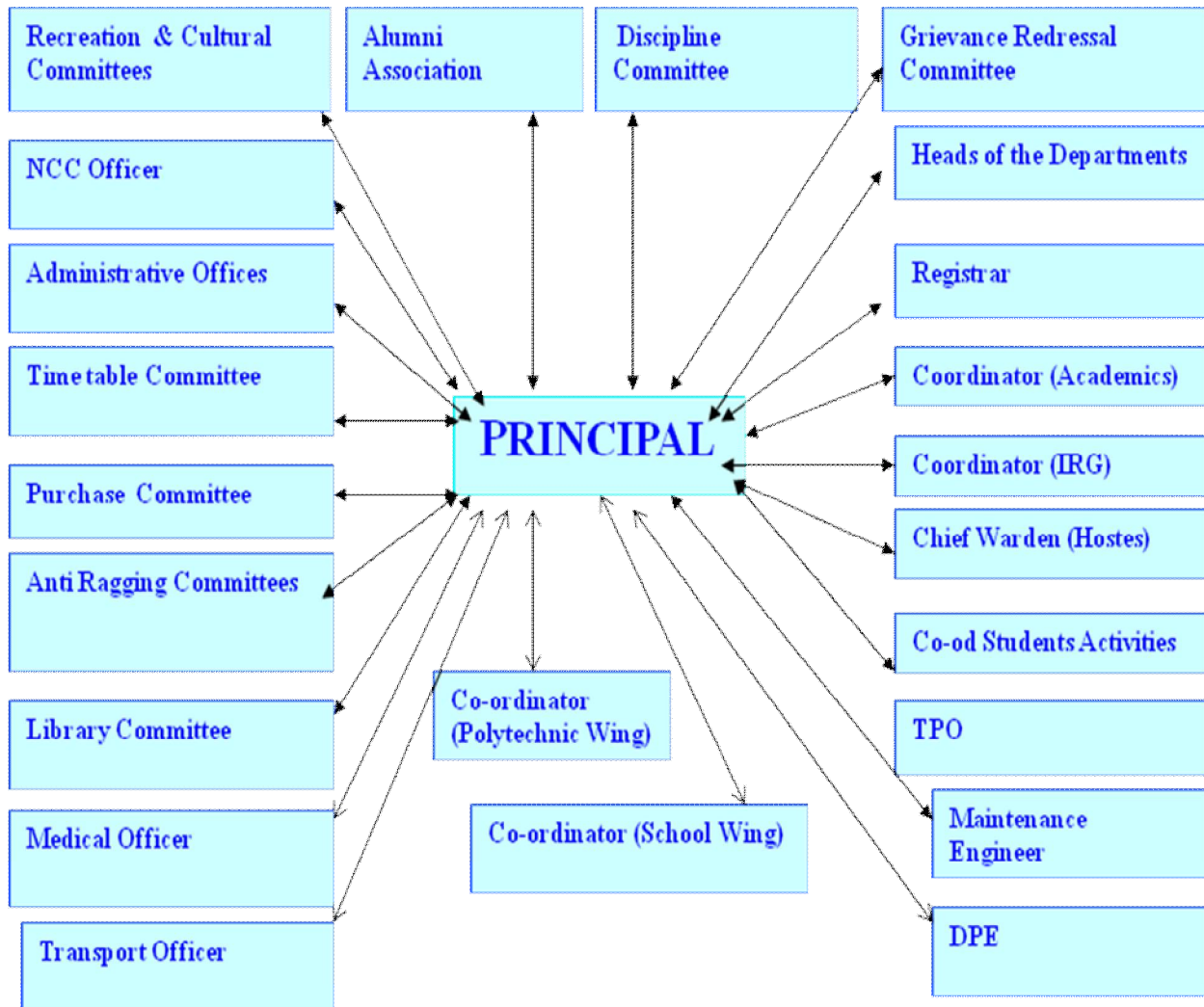
- Quality is achieved through the good faculty, good infrastructure facilities, labs, computer centre, central workshop, library and the quality/input of students.
- Students are trained through, lecture, tutorials, practical and training imparted at the campus.
- Students are tested through rigorous tests, quizzes and examination systems.
- Students are also given the various other training in NCC, NSS, Technical activities and other curricular activities.
- Finally all out efforts are made to place the students in the reputed industries.

### Mission

- Creation of a sustained learning environment of acquiring technical knowledge and professional application of the same.

- Inculcating amongst our students a deep understanding of the fundamental principles, concepts and practice in all the trades that we offer.
- Creating conducive environment for innovation for translating theoretical knowledge to practical application.
- Maintaining Accountability towards our profession through the process of self evaluation and continuous improvement.
- Development/Strong linkages with Research Institutions and Individual R&D units.
- Preparing budding engineers to meet the ever-increasing technological and social challenges with its traditions of self discipline, hard work, all round personality development and a creative approach to problems.
- Development of human resources to serve the cause of nation building.

## 1. MANAGEMENT OF THE COLLEGE



## 2. ACADEMIC COUNCIL : STRUCTURE AND FUNCTIONS

The Academic Council and its standing committees carry responsibility for quality in all academic activities, including learning and teaching, research and community engagement. The academic council should have a key role in the development and long term preservation of balanced, clear, shared definitions of academic standards

and integrity. The Academic Council should have an accountable and transparent framework for implementation and review of policy; for the development and review of academic quality assurance measures; and for facilitating compliance with its policies and procedures. Processes must ensure the integrity of academic programs and research, and be effective, timely, comprehensive and rigorous.

Members of the Academic Council and its standing committees should have an understanding of the role of policy and the processes of compliance. The Academic Council should play a key role as a forum for students to be involved in the development and evaluation of academic processes. The Academic Council should hold authority for approval, accreditation and review of new and existing academic programs, including those offered by commercial entities owned or partially owned by the university. The Academic Council has ultimate oversight of all programs, onshore and offshore, and its processes play a key role in ensuring comparability of standards both within the institution and externally. The ordinances of the academic council and its standing committee will be framed subsequent to the approval of the academic autonomy.

| S. No. | Members  | Positions        |
|--------|--|------------------|
| 1.     | Principal / Director                             | Chairperson      |
| 2.     | All HOD/co-ordinators / Deans                    | Member           |
| 3.     | Four academicians from high profile institutions | Member           |
| 4.     | Dean Academic                                    | Member Secretary |

### 3. BOARD OF STUDIES : STRUCTURE AND FUCNTIONS

The Board of Studies will be constituted for the various engineering/sciences disciplines run in the institution and the HOD/Co-ordinator of the respective department will be the Chairperson. All the faculty of the department and two from other department will be the member of the committee. Two academicians from high

profile institute and one distinguished industrialist will also be member of BOS of respective department. All the decisions taken will be put forth to the academic council for its approval. The ordinances of the BOS will be framed subsequent to the approval of the academic autonomy.

#### 4. OTHER COMMITTEES

There are three committees for total administrative control of the college, namely,

- (1) **Finance Committee** of the college chaired by Principal, Secretary, Tech. Education & Industrial Training, Punjab.
- (2) **Building and works committee** chaired by Principal, Secretary, Tech. Education & Industrial Training, Punjab.
- (3) **Equipment and Store Purchase Committee** chaired by Director, Tech. Education & Industrial Training, Punjab.

The following committee(s) are proposed to be constituted for the growth and development and smooth functioning of the institution :

1. R&D Committee
2. Planning and co-ordination committee

The following offices will be created for the smooth functioning of the institute ;

1. Controller of Examination including Conduct & Secrecy branch
2. Dean Student Welfare
3. Dean information Cell
4. Dean R&D
5. Dean Planning and Development
6. Dean Academics

## **5. ADMISSION ELIGIBILITY**

The admissions to various engineering disciplines will be made through the centralized AIEEE test conducted by CBSE, New Delhi and centralized online counseling conducted by the PTU, Jalandhar. The admission eligibility will be as per the norms and guidelines as framed by the PTU, Jalandhar.

## **6. CURRICULAR PROGRAMME**

The curricular programme as framed by the PTU, Jalandhar is being followed and modifications/changes suggested will be framed by the BOS of the respective department and approved by the academic council of the institution.

## **7. STUDENT FEEDBACK**

The student feedback preforma are being circulated at the end of semester through the HOD/co-ordinator of the department among the students and their valuable comments and feedback is communicated for further appreciation and advise, if any is given to the respective teachers for improvements/changes in the teaching methodology and use of teaching aids.

## **8. INTERNAL/EXTERNAL ASSESSMENT**

Internals :- Theory :- 40 Marks (Internal tests: 24 (60%), Attendance: 06 (15%),  
Assignments/Tutorials: 10 (25%)

Practical :- 30 Marks

Externals :- Theory :- 60 marks

Practical:- 20 marks

Three Internal Tests are conducted per semester and best two are considered.

Weightage given to each test is of 12 marks.

Sessionals: 24, Attendance: 06, Assignments/Tutorials: 10

Practical Marks has been divided into following components :

Daily work /Practical File 25%, Viva/Voce 60% , Attendance 15%

The academic section of the college acts as a bridge between the University and the students, to get acquainted of various kinds of academic regulations, curriculum and Institutional/Industrial training through the concerned department/itself and various kinds of academic documentation. The counseling of the students is a regular task, carried out by the faculty members acting as student advisors in the concerned department.

The evaluation of the internal tests is completed within a week-time and the students are informed about the performance in the test individually by the concerned teachers. Moreover, the question paper set in the internal examination is discussed by the teacher in the first lecture held after the internal examination. About 10 assignments are given by the teacher on the related subject/topics, which are thoroughly checked and discussed in the tutorial class. The problems of the subjects beyond the syllabus of the course are generally encouraged and discussed in the tutorial class. The attendance of the students is closely monitored by the teacher/HOD/Co-ordinator and any student falling short of attendance is brought to the notice of the students and their parents.

## INDUSTRIAL TRAINING

The training is bifurcated into three parts i.e after 2<sup>nd</sup>, 4<sup>th</sup> & 6<sup>th</sup> semester. The evaluation and mode of practical training vide PTU/BOS/DA/9710/3186 DATED 19.05.2005 and PTU/DA/295/1207 dated 07.03.2006 is as under :

### 3. MODE OF PRACTICAL TRAINING

As per the decision of Academic council of Punjab Technical University, the Practical Training shall be held as per the following schedule :

#### Practical Training – I

(Minimum 160 Hours)

After 2<sup>nd</sup> Semester and before 3<sup>rd</sup> semester, 6 to 8 weeks training in the institute. The students shall be trained in the college Workshop, Computer Centre.



### Practical Training – II

(Minimum 240 Hours)

After 4<sup>th</sup> Semester and before 5<sup>th</sup> semester, 6 to 8 weeks training shall be arranged in the institute or industry. If the training is arranged in the institute, its nature shall be as follows :

- (a) Survey Camo for Civil Engineering
- (b) Project Work pertaining to the discipline of the students, which shall be in Workshop, Computer Centre, Laboratories etc. of the college.

### Practical Training – III

(Minimum 320 Hours)

In 7<sup>th</sup> or 8<sup>th</sup> semester, 6 months training be arranged in an industry of repute. The students should take-up project work to be completed in the industry.

## 4. EVAULATION OF PRACTICAL TRAINING

Distribution of marks among each period of training would be as follows :

|                                |          |                    |       |
|--------------------------------|----------|--------------------|-------|
| Practical Training – I         | Internal | External           | Total |
|                                | 60       | 40                 | 100   |
| Report                         | : 20%    | Attendance         | : 10% |
| Practical Work                 | : 50%    | External Viva-Voce | : 20% |
| <u>Practical Training – II</u> | Internal | External           | Total |
|                                | 60       | 40                 | 100   |

1. If the training is carried out in the institute, the distribution of marks should be as per Practical Training – I.

2. If the training is carried out in the industry, it should be as follows :

|                    |       |
|--------------------|-------|
| Report             | : 15% |
| Attendance         | : 10% |
| Practical Work     | : 25% |
| Internal Viva-Voce | : 25% |
| External Viva-Voce | : 25% |

### Practical Training – III / Six months Industrial Training

The six months practical training-III for 2004 & onward batches will be conducted in the 7<sup>th</sup> and 8<sup>th</sup> semester. There will be a joint appraisal during the six months period, which will be conducted by the training manager / supervisor from the industry and teacher from the concerned college. The appraisal shall be based on the project work and presentation made by the students in respective industry. The marks distribution for six months training shall be as under :

|                  |      |
|------------------|------|
| Internal Marks : | 500  |
| External Marks : | 500  |
| Total Marks :    | 1000 |

Distribution of Internal Marks :

The teacher shall make two visits during training period and evaluation of 250 marks is to be made each time. The distribution of 250 marks is as under :

|   |   |     |
|---|---|-----|
| Attendance  | : | 20% |
| Practical Work  | : | 20% |
| Assessment by the Monitor                             | : | 20% |
| Assessment by the authorized person from the industry | : | 40% |

Distribution of Internal Marks :

In the final viva-voce examination, an external expert, preferably from the industry be invited. The evaluation shall be made as follows :

|  |   |           |
|--|---|-----------|
| Project Report and report presentation | : | 300 Marks |
| Viva-voce                              | : | 200 Marks |

#### **9. FINANCIAL IMPLICATIONS**

The examination fee so collected will be utilized for the conduct of examination and evaluation purposes.

#### **10. COURSE CONTENTS**

The curricular programme as framed by the PTU, Jalandhar is being followed and modifications/changes will be framed by the BOS of the respective department and approved by the academic council of the institution.

#### **11. CO-curricular and EXTRA-curricular Activities**

Keeping in view of the all-round development of the students, various societies have been formed at the college level. Different activities like quiz competitions, musical evenings, hiking and trekking, industrial visits, technical exhibitions, fine art and photographic exhibitions etc. are organized in a planned manner, Students are also encouraged to take part in intercollegiate competitions. Various societies are:

1. Cultural society : This society constitutes the following :-

- i) Fine Arts Club
    - ii) Music and Dramatics Club
    - iii) Photography Club
    - iv) Literary Society
  - v) Punjabi Sabhyachar Club
- 2. Sports Society: This society constitutes the following
  - i) Tennis
  - ii) Badminton
  - iii) Gymnastics/Weight Lifting
- 3. Hiking and Trekking Society
- 4. Environmental Society
- 5. Departmental Societies
  - i) Computer and Electronics Engineers Society (C.E.E.S)
  - ii) Mechanical and Production Engineers Society (M.A.P.E.S.)
  - iii) Chemical Engineers Society (Ch.E.S.)
  - iv) Society of Automotive Engineers (S.A.E.)

Apart from the above said activities being participated by the students at the college, NCC, NSS and Sports activities are held under the umbrella of PTU, Jalandhar.

- NCC : A shooting range for the NCC activities has been installed in the campus. A Complete NCC unit is operational in the college since 2001 under 7<sup>th</sup> Punjab Battalion, Gurdaspur with Lt. Nirmal Singh Kalsi as NCC officer in the college. The Achievements in last three years are as under:
  - (a) NCC " B" Certificate has been completed by 37 students of the college.
  - (b) NCC " C" certificate has been completed by 14 students of the college .
- NSS : There are 06 NSS units (unit of 100 students) functional in the college for the academic session 2006-07. The following activities were organized by NSS volunteers of Beant college of Engineering and Technology, Gurdaspur in the period of April, 06 to 30<sup>th</sup> Sept., 2006 :

The following activities are being organized in the coming even semester :

- First Aid Training
- Blood Testing Camp
- Blood Donation Camp
- Two Days village Camp
- Special Lectures on Drug De-Addiction etc.

There were 484 students registered in the NSS units (with a Unit of 100 students) including 119 girl students in the academic session. A Drug De-Addiction Camp, Blood Donation Camp with 125 blood units, Tree Plantation and 10 days village camp with 100 students etc. are the various activities undertaken by the NSS wing.

## • PHYSICAL EDUCATION AND SPORTS

Sports is an important activity which has to be carried out in order to encourage the sense of healthy competition & all round development of the students.

The following activities in various outdoor & in-door games are available for the students.

### INDOOR GAMES

- Table Tennis • Chess
- Chinese Checker
- Carrom

### OUTDOOR GAMES

- Basket Ball
- Volley Ball
- Lawn Tennis
- Gymnastics
- Hockey
- Hand Ball
- Badminton
- Cricket
- Football
- Kho-Kho

\*Athletic Meet is being held in Feb./March of every year and a number of inter-departmental events are organized.

## • ISTE Student's Chapter :

Debates / Paper presentation / Quiz Competitions

- Cultural Activities : The Students of our college have participated in the various cultural activities held within the college and outside the college in the last three years.

## PART-IV : BASIC INFORMATION

1. Name of College : BEANT COLLEGE OF ENGG. & TECH., GURDASPUR
2. Name of Principal :Dr. Dial Chand
3. Telephone/fax/email : 01874-221463, 221464, [principalbcetgurdaspur@yahoo.com](mailto:principalbcetgurdaspur@yahoo.com),  
[bcet-gsp@punjabmail.gov.in](mailto:bcet-gsp@punjabmail.gov.in) ,  
[www.bcetgsp.ac.in](http://www.bcetgsp.ac.in)
4. Year of establishment : 1995
5. Whether Private/Government/University maintained : Government
6. Year of grant of permanent affiliation : 1997
7. Courses offered :

### Academic Information: (A) Engineering Wing

- **Engineering programmes offered in Academic year 2011-12**

| S. No | Title of programmes            | Level (UG, PG, PhD) | Duration (Years) | Year of start | AICTE sanctioned |
|-------|--------------------------------|---------------------|------------------|---------------|------------------|
| 1.    | Chemical Engineering           | UG                  | 4                | 1996          | 30               |
| 2.    | Bio Technology                 | UG                  | 4                | 2006          | 60               |
| 3.    | Computer Science & Engineering | UG                  | 4                | 1995          | 120              |
| 4.    | Electronics Communication &    | UG                  | 4                | 1997          | 120              |
| 5.    | Mechanical Engg.               | UG                  | 4                | 1995          | 90               |
| 6.    | Information Technology         | UG                  | 4                | 2001          | 60               |

\*05% seats of annual intake (over & above) are filled as Economically Weaker Category as directed by AICTE, New Delhi IN THE 1<sup>ST</sup> YEAR OF INTAKE.

\*\*20% OF annual intake are filled as LEET students in the 2<sup>nd</sup> year of engineering discipline as per PTU, Jalandhar.

**(B) Polytechnic Wing (affiliated with PSTEB, Chandigarh)**

**Diploma programmes offered in Academic year 2011-12**

| S. No | Title of programmes            | Level   | Duration (Years) | Year of startin | AICTE sanctioned annual Intake |
|-------|--------------------------------|---------|------------------|-----------------|--------------------------------|
| 1.    | Computer Science & Engineering | Diploma | 3                | 2009            | 60                             |
| 2.    | Electronics Communication &    | Diploma | 3                | 2009            | 60                             |
| 3.    | Mechanical Engg.               | Diploma | 3                | 2009            | 60                             |

**(C) School Wing (affiliated with PSEB, Mohali)**

| S. No | Title of programmes | Level    | Year of startin | AICTE sanctioned annual Intake |
|-------|---------------------|----------|-----------------|--------------------------------|
| 1.    | 10+1 (Non-medical)  | Sr. Sec  | 2009            | 50                             |
| 2.    | 10+2 (Non-medical)  | Sr. Sec. | 2009            | 50                             |

**8. Student enrolment during last three years :**

| S. No | Title of programmes            | 2011 | 2010 | 2009 |
|-------|--------------------------------|------|------|------|
| 1.    | Chemical Engineering           | 28   | 27   | 30   |
| 2.    | Bio Technology                 | 59   | 60   | 60   |
| 3.    | Computer Science & Engineering | 120  | 120  | 120  |
| 4.    | Electronics Communication &    | 120  | 120  | 120  |
| 5.    | Mechanical Engg.               | 90   | 90   | 90   |
| 6.    | Information Technology         | 60   | 60   | 60   |

9. Faculty strength category-wise :

Details of the Full Time Teaching Faculty (Program wise):

| Name of the Course         | Sr. No.         | Name of the Faculty | Desig.     | Qualification with field of specialization |          |               | Date of Birth | Experience (Y-M) |     |            | Date of Joining      | Pay Scale & Basic Pay<br>Gross Pay           | P A N No.    | CPF A/C No.       |
|----------------------------|-----------------|---------------------|------------|--|----------|---------------|---------------|------------------|-----|------------|----------------------|--|--------------|-------------------|
|                            |                 |                     |            | UG   | PG       | Ph. D.        |               | A                | B   | c          |                      |  |              |                   |
| Bio Tech. & Chemical Engg. |                 | B.K. Gill           | A. P.      | B.E.                                       | M. Tech. | Ph.D.         | 20.07.1972    | 12               |     | -          | 05.08.1996           | Rs.12000 - 18300/-<br>Rs.12000/<br>Rs.29708/ | ABRP G2087 M | BCET/ 96/55       |
|                            |                 | Ashok Kumar         | A.P        | B.Tech. (Petro Refinery Engg.)             | M. Tech  | --            | 13.12.1974    | 11               | 2   | -          | 29.8.1997            | Rs.12000 - 18300/-<br>Rs.12000/<br>Rs 33425/ |              | BCET/ 97-98/90    |
|                            |                 | P.K. Yadav          | Lect. (SS) | B.E (Heat Tranfer)                         | M. Tech  | --            | 15.6.1975     | 10               | 3 M | -          | 4.9.1998             | Rs.10000-15200/-<br>Rs.11300/-<br>Rs 31497/  | AAMP Y0242J  | BCET/ 98-99/108   |
|                            |                 | Baljeev Kumar       | Lect. (SS) | B.E (Chem. Thermo.)                        | M. Tech  | --            | 4.9.1967      | 10               | 9   | -          | 21.9.1998            | Rs.10000-15200/-<br>Rs.11300/-<br>Rs 31497/  | AAVP K9786 G | BCET/ 98-99/114   |
|                            |                 | Seema Jindal        | Lect.      | B. Tech.                                   | M. Tech. | --            | 25.7.1973     | 8                | 3½  | -          | 17.7.2000            | Rs.10000-15200/-<br>Rs.10975/<br>Rs 30600    | AMIPS 5207R  | BCET/ 2000-01/119 |
|                            |                 | Vipan Kumar         | Lect. (SS) | B.Tech. PG Diploma                         | M. Tech. | Pursuing Ph.D | 18.7.1975     | 8                | --  | -          | 17.7.2000            | Rs.10000-15200/-<br>Rs.10975/<br>Rs 30600/   | AGRP K7739 H | BCET/ 2000-01/117 |
|                            |                 | Maninder Pal        | Lect.      | B.Tech.                                    | --       | --            | 22.1.1980     | 7                | --  | -          | 16.10.2001           | Rs.10000-15200/-<br>Rs.10325/<br>Rs 28809    | AJBPP 4203C  | BCET/ 2001-02/124 |
|                            |                 | Rajesh Kumar        | Lect.      | B.Tech.                                    | M.Tech   | Pursuing Ph.D | 24.8.1947     | 4                | 2   | -          | 11.11.2008           | Rs.8000-13500/-<br>Rs.8000/<br>Rs 20664/     | -            | -                 |
|                            |                 | Hasharan Kaur       | Lect.      | B.Tech.                                    | -        | -             | 19.1.1987     | -                | -   | -          | 27.01.2009           | Rs.8000-13500/-<br>Rs.8000/<br>Rs 20664/     | -            | -                 |
|                            | Ramanpreet Kaur | Lect.               | B.Tech     | .  | -        | 7.12.1984     | -             | -                | -   | 10.08.2000 | Consolidated 12000/- | -  | -            |                   |

| Name of the Course       | Sr. No.         | Name of the Faculty | Desig.             | Qualification with field of specialization |          |                | Date of Birth | Experience (Y-M) |             |             | Date of Joining                          | Pay Scale & Basic Pay<br>Gross Pay            | P A N No.      | CPF A/C No.              |
|--------------------------|-----------------|---------------------|--------------------|--|----------|----------------|---------------|------------------|-------------|-------------|--|---|----------------|--------------------------|
|                          |                 |                     |                    | UG   | PG       | Ph. D.         |               | a) Teaching,     | b) Industry | c) Research |  |   |                |                          |
| Computer Science & Engg. |                 | Arpinder Singh      | A.P.               | M.Sc.                                      | M.E.     | --             | 29.04.1963    | 10½              | 8½          | --          | 29.06.1995                               | Rs.12000-18300/-<br>Rs.18720/-<br>Rs.51947/-  | ABXPS1<br>566R | BCET/<br>95/14           |
|                          |                 | S.K. Gupta          | A.P.               | B.E.                                       | M.S.     | Ph. D.         | 08.11.1965    | 17               | --          | --          | 20.8.1996                                | Rs.12000-18300/-<br>Rs. 16620/-<br>Rs.46160/- | AAXPG2<br>988E | BCET/<br>96/59           |
|                          |                 | Guresh Pal Singh    | A.P.               | B. Tech.                                   | M. Tech. | Pursing Ph. D. | 26.6.1975     | 7                | --          | --          | 09.3.2005                                | Rs.12000-18300/-<br>Rs.13680/-<br>Rs.35335/-  | BBYPS0<br>628G | --                       |
|                          |                 | R.C. Gangwar        | A.P.               | B.E.                                       | M.S.     | Ph. D.         | 04.11.1965    | 10               | --          | --          | 12.06.1995                               | Rs.12000-18300/-<br>Rs.13680/-<br>Rs.38055/-  | AAQPG2<br>268Q | BCET/<br>95/11           |
|                          |                 | A.K. Dogra          | A.P.               | B.E.                                       | M.S.     | --             | 28.9.1971     | 10               | --          | --          | 17.7.1997                                | Rs.10000-15200/-<br>Rs.12840/-<br>Rs.35740/-  | AASPD7<br>607G | BCET/<br>97-<br>98/79    |
|                          |                 | Sanjeev Mahajan     | Lect. (Sel. Grade) | B.E.                                       | M. Tech  | --             | 04.4.1970     | 8½               | 5           | --          | 07.8.1997                                | Rs.10000-15200/-<br>Rs.12000/-<br>Rs.33425/-  | AEQPM9<br>129L | BCET/<br>97-<br>98/88    |
|                          |                 | Sukhbir Singh       | Lect. (Sr. Scale)  | B. Tech.                                   | M. Tech. | --             | 15.2.1975     | 7                | --          | --          | 02.9.1998                                | Rs.10000-15200/-<br>Rs.11300/-<br>Rs.31497/-  | AMDPS5<br>305F | BCET/<br>98-<br>99/105   |
|                          |                 | Sukhwinder Bir      | Lect. (SS)         | B. Tech.                                   | M. Tech. | --             | 13.5.1975     | 5                | --          | --          | 17.7.2000                                | Rs.10000-15200/-<br>Rs.10975/-<br>Rs.30600/-  | AHDPB9<br>338E | BCET/<br>2000-<br>01/120 |
|                          |                 | Rajeev Bedi         | Lect.              | B.E.                                       | M.E.     | --             | 02.12.1978    | 4                | 1           | --          | 03.8.2002                                | Rs.8000-13500/-<br>Rs.9375/-<br>Rs.24216/-    | AHGPB2<br>141J | ---                      |
|                          |                 | Anil                | Lect.              | B.E.                                       | M. Tech. | Pursing Ph. D. | 15.06.1975    | 1                | -           | -           | 17.7.2006                                | Rs.8000-13500/-<br>Rs.8550/-<br>Rs.22084/-    | ALBPA1<br>823H | ---                      |
|                          |                 | Mohit Maewaha       | Lect.              | B. Tech                                    | -        | -              | 01-05-1986    | -                | -           | -           | 01.8.2008                                | Rs.8000-13500/-<br>Rs.8000/-<br>Rs.20664/-    | ---            | ---                      |
|                          |                 | Sandeep Kaur        | Lect.              | B. Tech                                    | -        | -              | 15-03-1985    | -                | -           | -           | 01.8.2008                                | Rs.8000-13500/-<br>Rs.8000/-<br>Rs.20664      | ---            | ---                      |
|                          | Baljinder Singh | Lect.               | B. Tech            | -  | -        | 06-12-1986     | -             | -                | -           | 01.8.2008   | Rs.8000-13500/-<br>Rs.8000/-<br>Rs.20664 | ---   | ---            |                          |



|  |                |       |         |   |   |  |   |   |   |            |                         |     |     |
|--|----------------|-------|---------|---|---|--|---|---|---|------------|-------------------------|-----|-----|
|  | Ravneet kaur   | Lect. | B. Tech | - | - |  | - | - | - | 10.08.2009 | 12000/- pm consolidated | --- | --- |
|  | Harjinder Kaur | Lect. | B. Tech | - | - |  | - | - | - | 10.08.2009 | 12000/- pm consolidated | --- | --- |
|  | Navneet Kaur   | Lect. | B. Tech | - | - |  | - | - | - | 10.08.2009 | 12000/- pm consolidated | --- | --- |

| Name of the Course              | Sr. No.       | Name of the Faculty | Desig.                     | Qualification with field of specialization |         |                | Date of Birth | Experience (Y-M) |   |            | Date of Joining    | Pay Scale & Basic Pay<br>Gross Pay          | P<br>A<br>N<br>No. | CPF<br>A/C<br>No.        |
|---------------------------------|---------------|---------------------|----------------------------|--|---------|----------------|---------------|------------------|---|------------|--------------------|---|--------------------|--------------------------|
|                                 |               |                     |                            | UG   | PG      | Ph. D.         |               | A                |   |            |                    |   |                    |                          |
| Electronics & Comm. Engineering |               | Amarpal Singh       | A.P.                       | B.E.                                       | M.E     | Ph.D.          | 02.10.1968    | 12               | - | -          | 18.09.1998         | 12420-18300/-<br>Rs.13680/-Rs.38055/        | AEWPS7<br>706M     | BCET/<br>98-<br>99/113   |
|                                 |               | Gurpadam Singh      | A. P.                      | B.E.                                       | M.E     | Pursing Ph. D. | 01.05.1974    | 09               | - | -          | 17.07.2000         | 12000-18300/-<br>Rs.12840/<br>Rs.35740/     | AFIPS97<br>32C     | BCET/<br>2000/1<br>21    |
|                                 |               | Jaswinder Singh     | A. P                       | B.E.                                       | M.E     | Ph. D.         | 09.01.1973    | 09               | - | -          | 17.07.1996         | 12000-18300/-<br>Rs.12840/<br>Rs.35740/     | ACLPS4<br>413Q     | BCET/<br>96/D30          |
|                                 |               | Ajay Kumar          | A. P                       | B.E.                                       | M.E     | Ph. D.         | 20.03.1973    | 09               | - | -          | 18.07.1996         | 12000-18300/-<br>Rs.12840/<br>Rs.35740/     | ASGPK9<br>524K     | BCET/<br>96/49           |
|                                 |               | Parveen Kumar       | A. P                       | B.E  | M.E     | Pursing Ph. D. | 02.05.1973    | 06               | - | -          | 11.09.1998         | 12000-18300/-<br>Rs.12840/<br>Rs.35740/     | ACSPK4<br>429R     | BCET/<br>98-<br>99/110   |
|                                 |               | Neetu               | Lect. (SS)                 | B.E  | -       | -              | 07.06.1975    | 06               | - | -          | 26.07.2000         | Rs.10000-15200/-<br>Rs.10325-<br>Rs.28809/- | ACDPN0<br>233H     | BCET/<br>2000-<br>01/122 |
|                                 |               | Mandeep Kaur        | Lect. (SS) Practices (ECE) | B.E.                                       | M.Tech. | -              | 03.04.1972    | 09½              | - | -          | 10.04.2002         | Rs.10000-15200/-<br>Rs.10325-<br>Rs.28809   | AQJPS56<br>18K     | BCET/<br>2002-<br>03/139 |
|                                 |               | Anita Suman         | Lecturer                   | B.E.                                       | M.Tech. | -              | 13.02.1977    | 01               | - | -          | 28.07.2004         | 8000-13500/-<br>Rs.9100/-<br>Rs.23506/-     | ---                | --                       |
|                                 |               | Rajwinder Kaur      | Lect.                      | B.E.                                       | -       | -              | -             | -                | - | -          | 10.08.2009         | 12000 consolidated                          | ---                | --                       |
|                                 | Rimpi Mahjan  | Lect.               | B.E.                       | -  | -       | -              | -             | -                | - | 10.08.2009 | 12000 consolidated | ---   | --                 |                          |
|                                 | Gurpreet Kaur | Lect.               | B.E.                       | -  | -       | -              | -             | -                | - | 10.08.2009 | 12000 consolidated |   |                    |                          |

| Name of the Course     | Sr. No. | Name of the Faculty | Desig. | Qualification with field of specialization |          |        | Date of Birth | Experience (Y-M) |    |    | Date of Joining | Pay Scale & Basic Pay<br>Gross Pay           | P A N<br>No. | CPF A/C No. |
|------------------------|---------|---------------------|--------|--|----------|--------|---------------|------------------|----|----|-----------------|--|--------------|-------------|
|                        |         |                     |        | UG   | PG       | Ph. D. |               | A                |    |    |                 |  |              |             |
| Information Technology |         | Guresh Pal Singh    | A.P.   | B.Tech                                     | M. Tech. | --     | 26.6.1975     | 8                | -- | -- | 09.3.2005       | Rs.12000-18300/-<br>Rs.13680/-<br>Rs.35335/- | BBYPS0628G   | ---         |
|                        |         | Anil                | Lect   | B.Tech                                     | M. Tech. | -      | 15.06.1975    | 2                | -  | -  | 17.07.2006      | Rs.8000-13500/-<br>Rs.8550/-<br>Rs.22084/-   | ALBPA1823H   | ---         |
|                        |         | Mohit Maewaha       | Lect.  | B. Tech                                    | -        | -      | 01-05-1986    | -                | -  | -  | 01.8.2008       | Rs.8000-13500/-<br>Rs.8000/-<br>Rs.20664/-   | ---          | ---         |
|                        |         | Sandeep Kaur        | Lect.  | B. Tech                                    | -        | -      | 15-03-1985    | -                | -  | -  | 01.8.2008       | Rs.8000-13500/-<br>Rs.8000/-<br>Rs.20664     | ---          | ---         |
|                        |         | Baljinder Singh     | Lect.  | B. Tech                                    | -        | -      | 06-12-1986    | -                | -  | -  | 01.8.2008       | Rs.8000-13500/-<br>Rs.8000/-<br>Rs.20664     | ---          | ---         |
|                        |         | Ravneet kaur        | Lect.  | B. Tech                                    | -        | -      |               | -                | -  | -  | 10.08.2009      | 12000/- pm<br>consolidated                   | ---          | ---         |
|                        |         | Richa Dogra         | Lect,  | B.Tech                                     | -        | -      | 24.02.1985    | -                | -  | -  | 10.08.09        | Rs12000/<br>Consolidated                     | ---          | ---         |
|                        |         | Shaveta Majhan      | Lect,  | B.Tech                                     | -        | -      |               | -                | -  | -  | 10.08.09        | Rs12000/<br>Consolidated                     | ---          | ---         |
|                        |         | Manpreet Kaur       | Lect,  | B.Tech                                     | -        | -      | 27.01.1986    | -                | -  | -  | 10.08.09        | Rs12000/<br>Consolidated                     | ---          | ---         |

| Name of the Course     | Sr. No. | Name of the Faculty | Desig. | Qualification with field of specialization |     |        | Date of Birth | Experience (Y-M) |   |    | Date of Joining | Pay Scale & Basic Pay<br>Gross Pay                   | P A N<br>No. | CPF A/C No. |
|------------------------|---------|---------------------|--------|--|-----|--------|---------------|------------------|---|----|-----------------|--|--------------|-------------|
|                        |         |                     |        | UG   | PG  | Ph. D. |               | A                | B | C  |                 |  |              |             |
| Mechanical Engineering |         | Dr. Nirmal Singh    | Prof   | B.E  | M.E | Ph.D.  | 15.09.1963    | 16               | 2 |    | 08.11.1996      | 16400-22400/-<br>Rs.19100/-<br>Rs. 52995/-           | ABPPS5686N   | BCET/96/65  |
|                        |         | O.P. Singh          | Prof.  | B.E Ind. Engg.                             | M.E | Ph. D. | 06.05.1965    | 16               | 2 |    | 22.6.1995       | 12000-18300/-<br>Rs.19100/-<br>Rs. 52995/-           | ABPPS5847R   | BCET/95/06  |
|                        |         | R.K Awasthi         | A.P.   | B.E.                                       | M.E | Ph.D   | 01.07.1967    | 09               |   |    | 27.11.1996      | 12000-18300/-<br>Rs. 17040/-<br>Rs. 47316/-          | ABHPA1790K   | BCET/96/66  |
|                        |         | Dilbag Singh        | A.P.   | B.E  | M.E | Ph. D. | 13.04.1967    |                  |   |    | 12.08.1995      | Rs. 12000-<br>Rs 18300/-<br>Rs.14520/-<br>Rs.40370/- | ABPPS5565G   | BCET/95/16  |
|                        |         | Ranjit Singh        | A.P.   | B.E.                                       | M.E | Ph.D   | 06.12.1970    | 08               | - | 03 | 09.11.1995      | Rs. 12000-<br>18300/-<br>Rs.13260/-                  | ABPPS5796M   | BCET/95/37  |

|  |                        |                      |            |          |                 |            |    |    |   |            |  |             |                   |  |
|--|------------------------|----------------------|------------|----------|-----------------|------------|----|----|---|------------|--|-------------|-------------------|--|
|  |                        |                      |            |          |                 |            |    |    |   |            |  | Rs.36898    |                   |  |
|  | S.S.Gill               | Lec (Sr.Sca le)      | B.E.       | M.E      | Pursuing Ph. D. | 01.05.1965 | 12 | -  | - | 24.07.1996 | 10000-15200/-<br>Rs.11625/-<br>Rs. 26167/-     | AAXP2 991D  | BCET/ 96/52       |  |
|  | Jagdev Singh           | A.P                  | B.E.       | M.E      | Ph.D.           | 23.01.1967 | 13 | 04 | - | 29.08.1997 | Rs. 12000-18300/-<br>Rs.14520/-<br>Rs.40370/-  | ABPPS6 183G | BCET/ 97-98/89    |  |
|  | Anil Kumar             | A.P                  | B.E.       | M.E      | Pursuing Ph. D. | 23.10.1968 | 09 |    |   | 16.07.1996 | Rs. 12000-18300/-<br>Rs.12840/-<br>Rs.35740/-  | ABCPM3 929M | BCET/ 96/47       |  |
|  | Harish Pungotra        | Lec (Sr.Sca le)      | B.E        | M.E      | Ph. D.          | 11.02.1972 |    |    |   | 16.07.1996 | Rs. 10000-15200/-<br>Rs.11625/-<br>Rs. 30378/- | AAOPP7 573R | BCET/ 96/46       |  |
|  | Naveen Beri            | A.P                  | B.E        | M.E      | Pursuing Ph. D. | 09.01.1974 | 8  | 1½ |   | 28.07.1997 | 12000-18300/-<br>Rs.12420/-<br>Rs.34584        | ABSPB4 466G | BCET/ 97-98/86    |  |
|  | Nirmal Singh           | A.P                  | B.E.       | M. Tech. | Pursuing Ph. D. | 28.08.1971 | 08 | 04 | - | 01.08.1997 | Rs. 12000-18300/-<br>Rs.12000/-<br>Rs.33425/-  | AJMPS8 053Q | BCET/ 97-98/85    |  |
|  | Darshan Kumar          | A.P                  | B.E.       | M.E Prod | Ph. D.          | 11.05.69   | 07 | 08 | - | 21.09.1998 | Rs. 12000-18300/-<br>Rs.12000/-<br>Rs.33425/-  | AAUPK1 541Q | BCET/ 98-99/115   |  |
|  | Sunil Kumar            | A.P                  | B. E.      | M.E      | -               | 19.04.1973 | 08 | 01 | - | 03.09.1998 | Rs. 12000-18300/-<br>Rs.12000/-<br>Rs.33425/-  | AEAPK4 184P | BCET/ 98-99/106   |  |
|  | B.B.Saini              | Lecturer (Sr.Sca le) | B.E.       | M.E Prod | Pursuing Ph. D. | 31.05.64   | 07 | 10 | - | 14.09.1998 | 10000-15200/-<br>Rs.11625/-<br>Rs.32393/-      | AESPS43 80K | BCET/ 98-99/111   |  |
|  | Sarabjit Singh         | Lecturer (Sr.Sca le) | B.E        | M.Tech   | -               | 26.03.1974 | 5  | 2  | - | 01.08.2001 | Rs. 10000-15200/-<br>Rs.10325/-<br>Rs.28809/-  | AQNPS8 566  | BCET/ 2001-02/123 |  |
|  | Sanjiv Kumar           | Lecturer Sr.Sca le)  | B.Tech     | M. Tech  | -               | 31.08.1974 | 7  | -  | - | 25.01.2002 | 10000-15200/-<br>Rs.11300/-<br>Rs.31497/-      | AGGPK8 588B | BCET/ 2001-02/131 |  |
|  | Simmerpreet Singh Gill | Lecturer             | B.E (Prod) | M. Tech  | Ph. D.          | 03.05.1977 | 6M | 3  | - | 19.05.2005 | 8000-13500/-<br>Rs.9100/-<br>Rs.23506/-        | AJCPG1 726G | --                |  |
|  | Preetkanwal Singh      | Lecturer             | B.E (Mech) | -        | -               | 29.8.1984  | -  | -  | - | 16.1.2009  | Rs.8000-13500/-<br>Rs.8000/<br>Rs 20664/       |             |                   |  |
|  | Navjot Singh           | Lecturer             | B.E (Mech) |          |                 |            |    |    |   | 10.08.09   | 12000 p/m Consolidated                         |             |                   |  |
|  | Jagjit Singh Maan      | Lecturer             | B.E (Mech) |          |                 |            |    |    |   | 10.08.09   | 12000 p/m Consolidated                         |             |                   |  |

| Name of the Course                        | Sr. No.             | Name of the Faculty | Desig.         | Qualification with field of specialization |             |            | Date of Birth | Experience (Y-M) |    |            | Date of Joining                          | Pay Scale & Basic Pay<br>Gross Pay            | P A N No.   | CPF A/C No.      |
|---|---------------------|---------------------|----------------|--|-------------|------------|---------------|------------------|----|------------|--|---|-------------|------------------|
|   |                     |                     |                | U G  | PG          | Ph. D.     |               | A                |    |            |  |   |             |                  |
| Applied Sciences, Humanities & Management |                     | Dr. Dial Chand      | Professor      | --   | --          | Ph. D.     | 11.11.1954    | 26               | -- | 03         | 30.5.1995                                | Rs.16400-22400/-<br>Rs.20000/-<br>Rs.55475/-  | AAWPC 0529L | BCET/95/03       |
|   |                     | Dr. Rakesh Dogra    | A.P.           | --   | --          | Ph. D.     | 08.10.1968    | 06               | -- | 06         | 11.01.2002                               | Rs.12000-18300/-<br>Rs. 14100/-<br>Rs.39213/- | ADAPD6 093R | BCET/2001-02/129 |
|   |                     | Dr. S.K. Srivastva  | A.P.           | --   | --          | Ph. D.     | 07.9.1964     | 10               | -- | 03         | 12.6.1995                                | Rs.12000-18300/-<br>Rs. 14100/-<br>Rs.39213/- | ABPPS6 551E | BCET/95/12       |
|   |                     | Sh. J.K. Behl       | Lect. (S. Gr.) |  | M.A. (Eng.) | --         | 10.10.1960    | 16               | -- | --         | 6.6.1995                                 | Rs.12000-18300/-<br>Rs.14940/-<br>Rs.41530/-  | AANPB4 087H | BCET/95/09       |
|   |                     | Dr. Anju Awasthi    | A.P.           | --   | --          | Ph. D.     | 26.4.1967     | 08               | -- | 03         | 30.7.1997                                | Rs.12000-18300/-<br>Rs.12840/-<br>Rs.35740/-  | ACMPA 2847B | BCET/97-98/80    |
|   |                     | Dr. Arvind Kumar    | A.P.           | --   | --          | Ph. D.     | 13.5.1969     | 09               | -- | 03         | 04.8.1997                                | Rs.12000-18300/-<br>Rs.12840/-<br>Rs.35740/-  | ABNPS4 967Q | BCET/97-98/87    |
|   |                     | Dr. Rajeev Malhotra | A.P.           | --   | --          | Ph. D.     | 02.8.1969     | 10               | -- | 03         | 17.1.2002                                | Rs.12000-18300/-<br>Rs.13680/-<br>Rs.38055/-  | ABOPM 0848F | BCET/2000-01/130 |
|   |                     | Harvinder Kaur      | Lect.          | -  | Math M.Sc.  | -          | 13.09.1976    | 4                | -  | -          | 27.07.2004                               | Rs. 8000-13500/-<br>Rs.9100/-<br>Rs.23506/-   | --          | --               |
|   |                     | Rishi Tuli          | Lect.          | -  | Math. M.Sc  | -          | 09.09.1987    | -                | -- | --         | 01.08.2008                               | Rs. 8000-13500/-<br>Rs.8000/-<br>Rs.20664/-   | --          | --               |
|   |                     | Vishal Mahajan      | Lect.          | -  | M.B.A       | -          | 11.06.1979    | -                | -  | -          | 31.10.2008                               | Rs.8000-13500/-<br>Rs.8000/<br>Rs 20664/      | --          | --               |
|   | Lovejit Kaur        | Lect.               | -              | Chem M.Sc                                  | -           | 20.06.1986 | -             | -                | -  | 30.10.2008 | Rs.8000-13500/-<br>Rs.8000/<br>Rs 20664/ | --  | --          |                  |
|   | Ms.Mamta Saini      | Lect.               | -              | Math M.Sc                                  | -           | -          | -             | -                | -  | 10-08-2009 | 12000 p/m Consolidated                   | -   | -           |                  |
|   | Ms.Mittu Alluwalia  | Lect.               | -              | Math M.Sc                                  | -           | -          | -             | -                | -  | 10-08-2009 | 12000 p/m Consolidated                   | -   | -           |                  |
|   | Ms. Shivani Mahalan | Lect.               | -              | Math M.Sc                                  | -           | -          | -             | -                | -  | 10-08-2009 | 12000 p/m Consolidated                   | -   | -           |                  |

| Name of the Course | Sr. No. | Name of the Faculty | Designation                  | Qualification with field of specialization |    |           | Date of Birth | Experience (Y-M) |   |   | Date of Joining | Pay Scale & Basic Pay                     |
|--------------------|---------|---------------------|------------------------------|--|----|-----------|---------------|------------------|---|---|-----------------|---|
|                    |         |                     |                              | UG   | PG | Doctorate |               | A                | b | C |                 |   |
| Computer Centre    | 1.      | Deepak Kaila        | Lecturer (Computer Practice) | PG DCA                                     |    |           | 25.10.1974    |                  |   |   |                 | Rs.8000-13500/-<br>Rs. 8000/-<br>Rs 20664 |

### 10. Administrative, laboratory and library staff :

PL. REFER TO ANNEXURE - VII

### 11. Results during the last five years :

Pass percentage of the outgoing academic batch in the respective years is tabulated herewith.

| S. No | Title of programmes               | Sanctioned intake | Pass % 2011 | Pass % 2010 | Pass % 2009 |
|-------|-----------------------------------|-------------------|-------------|-------------|-------------|
| 1.    | Chemical Engineering              | 30                |             |             |             |
| 2.    | Bio Technology                    | 60                |             |             |             |
| 3.    | Computer Science & Engineering    | 120               |             |             |             |
| 4.    | Electronics Communication & Engg. | 120               |             |             |             |
| 5.    | Mechanical Engg.                  | 90                |             |             |             |
| 6.    | Information Technology            | 60                |             |             |             |

### 12. Number of M. Tech/M. Phil/Ph.D produced during the last three years in academic

**batch:**

M. Tech. program (part-time) is being run in the Department of ECE, ME w.e.f. 2003 under the Regional Centre of PTU, Jalandhar. This program is of 06 semester duration, wherein students have to follow academic curricula and thesis work submission for the 6<sup>th</sup> semester. M. Tech. program (part-time) is also being run in the Department of CSE&CHE w.e.f. 2009 and 2011 respectively, under the Regional Centre of PTU, Jalandhar.

| S. No. | Engineering Discipline    | Programme | Year of start | 2009                | 2008 | 2007 | 2006 |
|--------|---------------------------|-----------|---------------|---------------------|------|------|------|
| 1.     | Electronics & Comm. Engg. | M. Tech.  | 2003          | Thesis work pending |      | 3/3  | 6/6  |
| 2.     | Production Engg.          | M. Tech.  | 2003          | Thesis work pending |      | 3/3  | -    |
| 3.     | Thermal engg.             | M. Tech.  | 2007          |                     | 4/4  | 1/1  | -    |

13. List of journals in the library : PL. REFER TO ANNEXURE - II

14. List of major items of equipment in the college : PL. REFER TO ANNEXURE - VI

15. Whether college has been accredited by NBA, mention the rating :

**Accreditation Status of UG programmes**

| Title of UG programmes being offered | Whether eligible for accreditation | Accredited Status                                 |
|--------------------------------------|------------------------------------|---|
| Chemical Engineering                 | Yes                                | No  |
| Bio Technology                       | Yes                                | No  |
| Computer Science & Engineering       | Yes                                | Yes (Accredited for three years w.e.f 10.07.2009) |
| Electronics Communication & Engg.    | Yes                                | Yes (Accredited for three years w.e.f 10.07.2009) |
| Mechanical Engg.                     | Yes                                | Yes (Accredited for three years w.e.f 10.07.2009) |
| Information Technology               | Yes                                | No  |

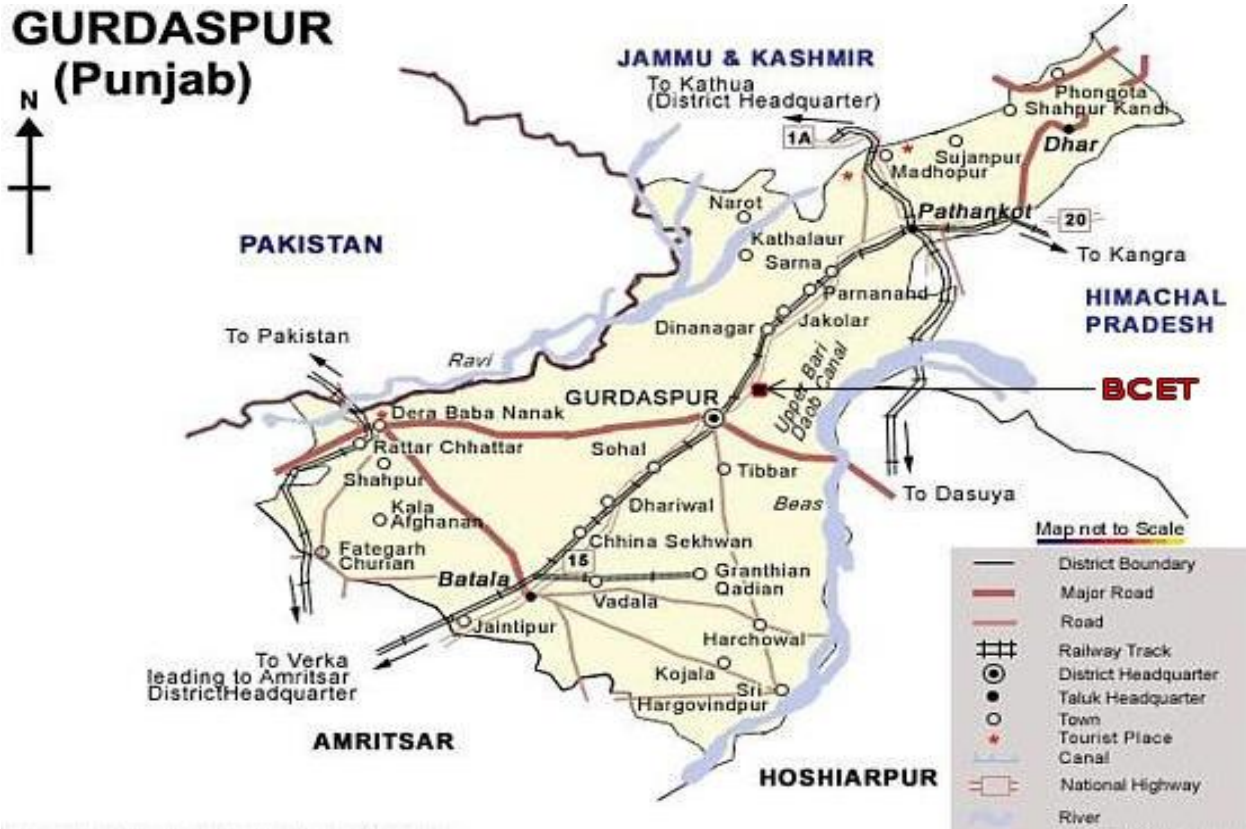
**Accreditation Status of PG programmes:**

| Title of PG programmes being offered | Whether eligible for accreditation or | Accredited Status |
|--------------------------------------|---------------------------------------|-------------------|
| M. Tech. (Thermal Engg. )            | Not eligible                          | No                |

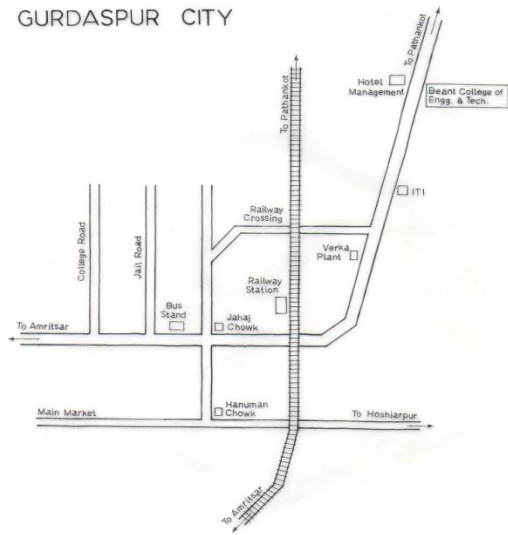
Signature of Principal  
(with seal)

Signature of Registrar  
Of affiliating University  
(with seal)

ANNEXURE – 1



# GURDASPUR CITY





## ANNEXURE – II

### CENTRAL LIBRARY

#### SUMMARY

|   |   |       |
|---|---|-------|
| Total No. of Books                                  | : | 24000 |
| Journals  |   |       |
| a) International/Foreign Journal<br>(List enclosed) | : | 12    |
| b) IEE/IEEE Journals                                | : | 162   |
| c) National/Indian Journal<br>(List enclosed)       | : | 46    |
| d) TERI Journals/Magazines                          | : | 09    |
| e) Magazines  | : | 25    |
| f) News Papers                                      | : | 11    |

#### Facilities

Air-conditioned reading Hall with seating capacity of 40 students

10 Terminals with Internet facilities

DELNET membership with log number pbbcet

TERI membership

Book bank Facilities

Photostat facilities

Number of Library books/Titles/Journals available (programme-wise)

| S.No | Course(s)                                       | Number of titles of the books | Number of volumes | Journals |               |
|------|---|-------------------------------|-------------------|----------|---------------|
|      |   |                               |                   | National | International |
| 1.   | Computer Sc. & Engineering/<br>Information Tech | 2065                          | 5813              | 06       | --            |
| 2.   | Mechanical Engineering                          | 1240                          | 3173              | 09       | 04            |
| 3.   | Production Engineering                          | 1029                          | 2286              |          |               |
| 4.   | Electronics & Comm<br>Engineering               | 1379                          | 3864              | 05       | --            |
| 5.   | Chemical Engineering                            | 1655                          | 3195              | 05       | 05            |
| 6.   | Applied Sciences, Hum. &<br>Mgmt.               | 1240                          | 2900              | 20       | 01            |
| 7    | Bio-Technology                                  | 17                            | 201               | 03       | 02            |

\* DELNET (Developing Library Network) membership available.

\* INDEST Membership available for the online subscription of 162 IEE and IEEE journals.

\* TERI (Tata Energy Research Institute) membership for the 10 national journals available.

## List of Foreign Journals

### Department of Chemical Engineering

| S. No. | Title of Journals/Magazines              |
|--------|--|
| 1      | Chemical Engineering                     |
| 2      | Chemical Engineering Progress            |
| 3      | Chemical Engineering Research and Design |
| 4      | Hydrocarbon Processing                   |
| 5      | National Petroleum News                  |

### Department of Mechanical and Production Engineering

| S. No. | Title of Journals/Magazines  |
|--------|--|
| 1      | Automotive Engineering   |
| 2      | Mechanical Engineering   |
| 3      | Trans. Of AM. Soc. Of Mechanical Engg. – Part B: Manufacturing Science and Engg. |
| 4      | Trans. Of AM. Soc. Of Mechanical Engg. – Part C: Heat Transfer                   |

### Applied Physics

| S. No. | Title of Journals/Magazines |
|--------|-----------------------------|
| 1      | Physics Today               |

### Bio-Technology

| S. No. | Title of Journals/Magazines              |
|--------|--|
| 1      | International Journals of Bio-Technology |
| 2      | Bio-Technology and Applied Bio-Chemistry |

## List of Indian Journals

### Department of Chemical Engineering

| S. No. | Title of Journals/Magazines                          |
|--------|--|
| 1      | Chemical Engineering. (The Institution of Engineers) |
| 2      | Chemical weekly (India)                              |
| 3      | Indian Chemical Engineering                          |
| 4      | Indian Journal of Chemical Technology                |
| 5      | Journal of Chemical Science                          |

### Department Of Computer Science and IT

| S. No. | Title of Journal/Magazine                      |
|--------|--|
| 1      | Computer Engg. ( The Institution of Engineers) |
| 2      | Data Quest                                     |
| 3      | Digit  |
| 4      | Express Computer                               |
| 5      | Information Technology                         |
| 6      | Linux for you                                  |

Department Of Electronics and Communication Engineering,

| S. No. | Title of Journals/Magazines   |
|--------|---|
| 1      | Electronics and Telecommunication Engg. ( The Institution of Engineers) |
| 2      | Electronics for you + Annual  |
| 3      | E-Power   |
| 4      | Facts for You   |
| 5      | Instruments and Electronics Developments                                |

Department Of Mechanical and Production Engineering

| S. No. | Title of Journals/Magazines                      |
|--------|--|
| 1      | Auto India                                       |
| 2      | Industrial Products Finder and Annual            |
| 3      | Journal of Scientific and Industrial Research    |
| 4      | Laghu Udyog                                      |
| 5      | Manufacturing Technology Today                   |
| 6      | Mechanical Engg. (The Institution of Engineers). |
| 7      | Motor India                                      |
| 8      | Production Engg. (The Institution of Engineers). |
| 9      | Udyog Yug  |

Applied Chemistry

| S. No. | Title of Journals/Magazines     |
|--------|---------------------------------|
| 1      | Indian Journal of Chemistry - A |
| 2      | Indian Journal of Chemistry - B |

Applied Mathematics

| S. No. | Title of Journals/Magazines                    |
|--------|--|
| 1      | The Mathematics Education                      |
| 2      | Proceedings: Mathematical Sciences             |
| 3      | Indian Journal of Pure and Applied Mathematics |

Applied Physics

| S. No. | Title of Journals/Magazines                         |
|--------|---|
| 1      | Indian Journal of Engineering and Material Sciences |
| 2      | Indian Journal of Physics A                         |
| 3      | Indian Journal of Physics B                         |
| 4      | Physics Education                                   |

Management

| S. No. | Title of Journals/Magazines           |
|--------|---------------------------------------|
|        | Abhigyan                              |
|        | Business Today                        |
|        | Business World                        |
|        | Indian Journal of Industrial Relation |

|  |                   |
|--|-------------------|
|  | Mainstream        |
|  | Management Review |
|  | Paradigm          |
|  | Vikalpa           |
|  | Out-Look Money    |

TERI Publication (Against Institutional Membership).

| S. No. | Title of Journals/Magazines                         |
|--------|---|
| 1      | TERI – Information Digest on Energy and Environment |
| 2      | TERI – Newswire                                     |
| 3      | SESI Journal  |
| 4      | Resource energy and development                     |
| 5      | Teri scope  |
| 6      | Regulateri  |
| 7      | Annual Report                                       |

|   |             |
|---|-------------|
| 8 | TEDDY       |
| 9 | TERRA Green |

Bio-Technology

| S. No. | Title of Journals/Magazines  |
|--------|--|
|        | Indian Journal of Bio-Technology   |
|        | Journal of Plant Bio-Chemistry and Bio-Tehnology                         |
|        | Journal of Institution of Engineers (India Bio-Engg. and Bio-technology) |

General Magazine

| S. No. | Title of Journals/Magazines                       |
|--------|---|
|        | CSIR News   |
|        | Current literature on Science of Science          |
|        | Indian Journal of Training and development        |
|        | Inter Disciplinary (The Institution of Engineers) |
|        | Invention Intelligence                            |
|        | Resonance   |
|        | Span  |
|        | University News                                   |
|        | Civil Services Chronicle                          |
|        | Competition Success Review                        |
|        | Famina  |
|        | Frontline   |
|        | Grehshobha  |
|        | Health  |
|        | India Today                                       |
|        | Outlook   |
|        | Reader Digest                                     |
|        | Soani   |

|  |                    |
|--|--------------------|
|  | Sport Star         |
|  | Woman's Era        |
|  | Competition Master |
|  | Better Interiors   |
|  | Pratiyogita Darpan |
|  | Inside Outside     |

### List of News Papers

The Economic Times

The Hindu

The Times of India

The Tribune

Indian Express

The Hindustan Times

Employment News

Daily Ajit

Jagbani

Dainik Jagran

Hind Samachar

## ANNEXURE – III

| Computer Facilities for the existing programme(s) |   |   |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
|---|---|---|--------|--|-------------|----------------|-------------------------|---|------------------|---|----|--------------------------------|----|---|-----------------------------|----|----|----------------------|----|-------------------|----------------------|----|----|-----------------------|----|---------|---------------------|----|----|----------------------|-----|---------|--|--|----|--------------------------------|----|----|-----------|-----|----|-------------|----|----|-------------------------|----|----|-----------------|----|----|---------------------------------|----|----|--------|----|
| S. No.  | Particulars   | Requirements as per Norms (1:4 for Engineering) |        | Availability   |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| 1.  | No of Computer terminals  | 300   |        | 412  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| 2.  | Hardware Specification  |   |        | <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">S. No.</th> <th style="width: 75%;">Specifications</th> <th style="width: 15%;">Qty.</th> </tr> </thead> <tbody> <tr> <td colspan="3" style="text-align: center;">SERVERS</td> </tr> <tr> <td>1</td> <td>HP Proliant ML 350</td> <td style="text-align: right;">04</td> </tr> <tr> <td>2</td> <td>DELL POWER EDGE SERVER 1300</td> <td style="text-align: right;">02</td> </tr> <tr> <td>3</td> <td>IBM NETFINITY – 3000</td> <td style="text-align: right;">02</td> </tr> <tr> <td>4</td> <td>IBM NETFINITY – 5000</td> <td style="text-align: right;">01</td> </tr> <tr> <td>5</td> <td>DIGITAL SERVER – 1210</td> <td style="text-align: right;">02</td> </tr> <tr> <td colspan="3" style="text-align: center;">LAPTOPS</td> </tr> <tr> <td>1.</td> <td>HP COMPAQ NX 6120</td> <td style="text-align: right;">02</td> </tr> <tr> <td colspan="3" style="text-align: center;">DESKTOP</td> </tr> <tr> <td>1.</td> <td>HP Compaq DX 2280 MT Dual Core</td> <td style="text-align: right;">50</td> </tr> <tr> <td>2.</td> <td>HP DX6100</td> <td style="text-align: right;">238</td> </tr> <tr> <td>3.</td> <td>PCS PRODIGY</td> <td style="text-align: right;">22</td> </tr> <tr> <td>4.</td> <td>ZENITH ONE-UP MODEL –II</td> <td style="text-align: right;">49</td> </tr> <tr> <td>5.</td> <td>PENTIUM- 60 MHz</td> <td style="text-align: right;">10</td> </tr> <tr> <td>6.</td> <td>486 DX4 @ 100 MHz ISA – PCI BUS</td> <td style="text-align: right;">20</td> </tr> <tr> <td>7.</td> <td>OTHERS</td> <td style="text-align: right;">10</td> </tr> </tbody> </table> | S. No.      | Specifications | Qty.                    | SERVERS   |                  |   | 1  | HP Proliant ML 350             | 04 | 2   | DELL POWER EDGE SERVER 1300 | 02 | 3  | IBM NETFINITY – 3000 | 02 | 4                 | IBM NETFINITY – 5000 | 01 | 5  | DIGITAL SERVER – 1210 | 02 | LAPTOPS |                     |    | 1. | HP COMPAQ NX 6120    | 02  | DESKTOP |  |  | 1. | HP Compaq DX 2280 MT Dual Core | 50 | 2. | HP DX6100 | 238 | 3. | PCS PRODIGY | 22 | 4. | ZENITH ONE-UP MODEL –II | 49 | 5. | PENTIUM- 60 MHz | 10 | 6. | 486 DX4 @ 100 MHz ISA – PCI BUS | 20 | 7. | OTHERS | 10 |
| S. No.  |   | Specifications                                  | Qty.   |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| SERVERS   |   |   |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| 1   | HP Proliant ML 350  | 04  |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| 2   | DELL POWER EDGE SERVER 1300   | 02  |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| 3   | IBM NETFINITY – 3000  | 02  |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| 4   | IBM NETFINITY – 5000  | 01  |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| 5   | DIGITAL SERVER – 1210   | 02  |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| LAPTOPS   |   |   |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| 1.  | HP COMPAQ NX 6120   | 02  |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| DESKTOP   |   |   |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| 1.  | HP Compaq DX 2280 MT Dual Core  | 50  |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| 2.  | HP DX6100   | 238   |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| 3.  | PCS PRODIGY   | 22  |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| 4.  | ZENITH ONE-UP MODEL –II   | 49  |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| 5.  | PENTIUM- 60 MHz   | 10  |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| 6.  | 486 DX4 @ 100 MHz ISA – PCI BUS   | 20  |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| 7.  | OTHERS  | 10  |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| 3.  | No of terminals of LAN/WAN  |   |        | 200 COMPUTER SYSTEMS   |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| 4.  | Relevant Legal Software   | Application                                     | System | <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Application</th> <th style="width: 50%;">System</th> </tr> </thead> <tbody> <tr> <td>ORACLE, AUTOCAD, MATLAB</td> <td>WINDOWS XP-PRO, WINDOWS-95, NOVELL NETWORK, WINDOWS-NT, VISUAL C++, VISUAL BASIC, FOXPRO, VISUAL JAVA, NORTON ANTIVIRUS</td> </tr> <tr> <td>2. RATIONAL ROSE</td> <td>MSDN ACADEMIC ALLIANCE SOFTWARE CONTAING ALL THE MICROSOFT OS, ADOBE ACROBAT READER / WRITER, ADOBE PHOTOSHOP, MACFEE ANTIVIRUS</td> </tr> <tr> <td></td> <td>3. INTERNET MGT S/W</td> </tr> <tr> <td></td> <td>4.NORTON ANTIVRUS S/W, CORPORATE EDITION – 150 USERS)</td> </tr> </tbody> </table>  | Application | System         | ORACLE, AUTOCAD, MATLAB | WINDOWS XP-PRO, WINDOWS-95, NOVELL NETWORK, WINDOWS-NT, VISUAL C++, VISUAL BASIC, FOXPRO, VISUAL JAVA, NORTON ANTIVIRUS | 2. RATIONAL ROSE | MSDN ACADEMIC ALLIANCE SOFTWARE CONTAING ALL THE MICROSOFT OS, ADOBE ACROBAT READER / WRITER, ADOBE PHOTOSHOP, MACFEE ANTIVIRUS |    | 3. INTERNET MGT S/W            |    | 4.NORTON ANTIVRUS S/W, CORPORATE EDITION – 150 USERS) |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
|   |   | Application                                     | System |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| ORACLE, AUTOCAD, MATLAB                           | WINDOWS XP-PRO, WINDOWS-95, NOVELL NETWORK, WINDOWS-NT, VISUAL C++, VISUAL BASIC, FOXPRO, VISUAL JAVA, NORTON ANTIVIRUS         |   |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| 2. RATIONAL ROSE                                  | MSDN ACADEMIC ALLIANCE SOFTWARE CONTAING ALL THE MICROSOFT OS, ADOBE ACROBAT READER / WRITER, ADOBE PHOTOSHOP, MACFEE ANTIVIRUS |   |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
|   | 3. INTERNET MGT S/W   |   |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
|   | 4.NORTON ANTIVRUS S/W, CORPORATE EDITION – 150 USERS)   |   |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| 5.  | Peripheral(s)/ Printers   |   |        | <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">S. No.</th> <th style="width: 75%;">Specifications</th> <th style="width: 15%;">Qty.</th> </tr> </thead> <tbody> <tr> <td colspan="3" style="text-align: center;">PRINTERS</td> </tr> <tr> <td>1.</td> <td>DOT MATRIX PRINTER (Panasonic)</td> <td style="text-align: right;">32</td> </tr> <tr> <td>2.</td> <td>LASER PRINTER (HP)</td> <td style="text-align: right;">22</td> </tr> <tr> <td>3.</td> <td>Deskjet Printers</td> <td style="text-align: right;">07</td> </tr> <tr> <td colspan="3" style="text-align: center;">OTHER PERIPHERALS</td> </tr> <tr> <td>1.</td> <td>PLOTTER (HP)</td> <td style="text-align: right;">01</td> </tr> <tr> <td>2.</td> <td>SCANNER (HP, CANON)</td> <td style="text-align: right;">06</td> </tr> <tr> <td>3.</td> <td>UPS (625 VA – 6 KVA)</td> <td style="text-align: right;">125</td> </tr> </tbody> </table>  | S. No.      | Specifications | Qty.                    | PRINTERS  |                  |   | 1. | DOT MATRIX PRINTER (Panasonic) | 32 | 2.  | LASER PRINTER (HP)          | 22 | 3. | Deskjet Printers     | 07 | OTHER PERIPHERALS |                      |    | 1. | PLOTTER (HP)          | 01 | 2.      | SCANNER (HP, CANON) | 06 | 3. | UPS (625 VA – 6 KVA) | 125 |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| S. No.  | Specifications  | Qty.  |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| PRINTERS  |   |   |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| 1.  | DOT MATRIX PRINTER (Panasonic)  | 32  |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| 2.  | LASER PRINTER (HP)  | 22  |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| 3.  | Deskjet Printers  | 07  |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| OTHER PERIPHERALS                                 |   |   |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| 1.  | PLOTTER (HP)  | 01  |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| 2.  | SCANNER (HP, CANON)   | 06  |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| 3.  | UPS (625 VA – 6 KVA)  | 125   |        |  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
| 6.  | Internet Accessibility (in kbps & hrs)  |   |        | 2 MBPS PURE (1:1) THROUGH LEASED LINE FOR 24 HOURS.  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |
|   | Whether the computer facilities are suitable for the existing programmes ?  |   |        | Yes  |             |                |                         |   |                  |   |    |                                |    |   |                             |    |    |                      |    |                   |                      |    |    |                       |    |         |                     |    |    |                      |     |         |  |  |    |                                |    |    |           |     |    |             |    |    |                         |    |    |                 |    |    |                                 |    |    |        |    |

## COMPUTER CENTRE

### Computer Systems and Peripherals And Software Available in the Institute

#### SERVERS

1. HP PROLIANT ML 350
  - INTEL XEON 3.2 GHZ PROCESSOR
  - 2048 KB L2 CACHE
  - 2GB DDR2 RAM
  - 3 X 72 GB ULTRA SCSI HDD
  - DIGITAL AUTO TAPE DRIVE 20/40 GB DAT WITH BACKUP S/W
  - 17" SVGA DIGITAL COLOR MONITOR
  - 101 KEYS KEYBOARD
  - OPTICAL MOUSE
  - 2USB, 1S PORTS
  - 24X CD ROM DRIVE

(04)
  
2. DELL POWER EDGE SERVER 1300
  - INTEL PENTIUM III 550 MHz
  - 512 KB CACHE MEMORY
  - 256 MB 100 MHz ECC SDRAM
  - 3 X 09 GB SCSI HDD
  - 48 X CD ROM DRIVE IDE
  - 12/24 GB DAT DRIVE
  - 1.44 MB FDD
  - 15" SVGA COLOR DELL MONITOR
  - 10/100 ETHERNET CARD INTEL PRO 100 TX WITH WAKEUP ON LAN
  - 104 KEYS PS2 KEYBOARD
  - DELL MOUSE PS 2 TYPE
  - 1 PARALLEL, 2 SERIAL, 2 USB PORTS

(02)
  
3. IBM NETFINITY – 3000
  - INTEL PENTIUM II 350 MHz
  - 512 KB CACHE MEMORY
  - 128 MB SDRAM
  - ULTRA FAST AND WIDE SCISO CONTROLER
  - 2 X 4.5 GB ULTRA FAST AND WIDE SCSI HDD
  - 24X CDROM DRIVE
  - 14" SVGA NON INTERLACED (1024 X 768) COLOR MONITOR
  - AGP GRAPHICS ACCELERATOR WITH 4 MB RAM
  - 32 BIT ETHERNET (10/100 BASE-T) CARD
  - 4/8 GB SCSI DAT DRIVE
  - MOUSE Ps2 TYPE
  - 104 KEYS KEYBOARD Ps2 TYPE
  - 2 SERIAL/1 PARALLEL PORT/PS2 MOUSE PORT

(02)

4. IBM NETFINITY – 5000

- INTEL PENTIUM II 350 MHz (DUAL PROCESSOR)
- 128 MB SDRAM
- 512 KB CACHE MEMORY
- ULTRA FAST AND WIDE SCSI CONTROLLER
- 2 X 4.5 GB ULTRA FAST AND WIDE SCSI HDD.
- 24X CDROM DRIVE
- 1.44 MB FLOPPY DISK DRIVE
- 4/8 GB SCSI DAT DRIVE
- AGP GRAPHICS ACCERRATOR WITH 4 MB RAM
- 32 BIT PCI (10/100 BASE-T) ETHERNET CONTROLLER
- MOUSE PS2 TYPE
- 104 KEYS KEYBOARD PS2 TYPE
- 2 SERIAL/1 PARALLEL PORT/PS2 MOUSE PORT
- 17" SVGA COLOR MONITOR

(01)

5. DIGITAL SERVER 1210

- P-II 300 MHZ WITH MMX TECHNOLOGY, (DUAL PROCESSOR CAPABLE)
- 128 MB EDO ECC RAM
- 512 KB (L-2) CACHE
- 3 X 4.0 GB ULTRA WIDE SCSI HDD
- 24X CD ROM DRIVE
- 1.44 MB (3.5") FLOPPY DRIVE
- 4/8 GB DAT DRIVE
- MOUSE PS/2 TYPE
- 104 KEYS PS2 KEYBOARD
- INTEGRATED 10/100 MBPS ETHERNET CARD
- INTEGRATED 64 BIT 5.3 TRIO GRAPHIC CARD WITH 2 MB VRAM
- 14" SVGA COLOR MONITOR
- 1 PARALLEL, 2 -SERIAL, 2 USB PORTS

(02)

## LAPTOPS

1. HP COMPAQ NX6120

- INTEL PENTIUM M740 1.73 GHZ
- 2MB L2 CACHE
- 256 MB DDR RAM
- 15" TFT XGA
- 40 GB HDD
- COMBO DRIVE
- WINDOWS XP PROFESSIONAL

(02)

## DESKTOPS

1. HP COMPAQ DX2280 MT

- PENTIUM IV PRO
- INTEL PENTIUM D 820 DUAL CORE 2.8 GHZ
- 2 X 1 MB L2 CACHE
- 768 MB DDR2 RAM
- 160 GB SATA HDD
- 1.44 FDD



- COMBO DRIVE 16X10X40 CDR/W AND 12 X DVD
- 104 KEYS KEYBOARD
- OPTICAL MOUSE
- 6 USB PORTS, 1S , 1P
- 17" SVGA DIGITAL COLOR MONITOR
- WINDOWS XP (PROFESSIONAL) PRELOADED WITH MEDIA

(50)

2. HP DX6100

- P-IV 3.0 GHZ WITH HT TECHNOLOGY
- 512 MB DDR 400MHZ RAM
- 512 KB L2-CACHE
- 800 MHZ SYSTEM BUS
- 80 GB HDD
- COMBO 16X10X40 CD R/W AND 12X DVD
- 1.44 FDD
- KEYBOARD PS2 TYPE
- MOUSE PS2 TYPE
- PORTS- 4 USB, 1SERIAL, 1PARALLEL
- 10/100/1000 LAN CARD
- 15" SVGA DIGITAL COLOR MONITOR
- WINDOW XP PRO PRELOADED WITH MEDIA & DOCUMENTS
- NORTON ANTI VIRUS

(150)

3. HP DX6100

- P-IV 3.0 GHZ WITH HT TECHNOLOGY
- 512 MB DDR 400MHZ RAM
- 512 KB L2-CACHE
- 800 MHZ SYSTEM BUS
- 80 GB HDD
- COMBO 16X10X40 CD R/W AND 12X DVD
- 1.44 FDD
- KEYBOARD PS2 TYPE
- MOUSE PS2 TYPE
- PORTS- 4 USB, 1SERIAL, 1PARALLEL
- 10/100/1000 LAN CARD
- 15" TFT MONITOR
- WINDOW XP PRO PRELOADED WITH MEDIA & DOCUMENTS
- NORTON ANTI VIRUS

(60)

4. HP DX6100

- P-IV 3.0 GHZ WITH HT TECHNOLOGY
- 128 MB DDR 400MHZ RAM
- 512 KB L2-CACHE
- 800 MHZ SYSTEM BUS
- 40 GB HDD
- CDROM DRIVE 16X10X40
- 1.44 FDD
- KEYBOARD PS2 TYPE
- MOUSE PS2 TYPE
- PORTS- 4 USB, 1SERIAL, 1PARALLEL

- 10/100/1000 LAN CARD
  - 15" SVGA MONITOR
  - WINDOW XP PRO PRELOADED WITH MEDIA & DOCUMENTS
  - NORTON ANTI VIRUS
- (08)

5. HP DX6100
- P-IV 3.0 GHZ WITH HT TECHNOLOGY
  - 1 GB DDR 400MHZ RAM
  - 512 KB L2-CACHE
  - 800 MHZ SYSTEM BUS
  - 80 GB HDD
  - COMBO 16X10X40 CD R/W AND 12X DVD
  - 1.44 FDD
  - KEYBOARD PS2 TYPE
  - MOUSE PS2 TYPE
  - PORTS 4 USB, 1SERIAL, 1PARALLEL
  - 10/100/1000 LAN CARD
  - 17" SVGA DIGITAL COLOR MONITOR
  - WINDOW XP PRO PRELOADED WITH MEDIA & DOCUMENTS
  - NORTON ANTI VIRUS
- (20)

6. PCS PRODIGY
- INTEL P-IV-1.6 GHz
  - INTEL 845 CHIPSET MAINBOARD
  - 256 MB SDRAM,
  - 20 GB IDE HDD,
  - 1.44 MB FDD,
  - 52XCD ROM,
  - AGP WITH 32 MB RAM
  - SCROLL MOUSE PS/2TYPE,
  - 15" SVGA COLOUR MONITOR
  - 10/100 MBPS PCI LAN CARD,
  - 2 SERIAL, 1 PARALLEL, AND 2 USB PORTS,
  - MULTIMEDIA AND INTERNET READY KEYBAORD,
  - COMPLETE MULTIMEDIA WITH SPEAKERS, MICROPHONE AND HEADPHONE
- (22)

7. ZENITH ONE UP MODEL -II
- INTEL PENTIUM II 333 MHz
  - 512 KB CACHE MEMORY
  - 128 MB RAM
  - 4 GB HARD DISK DRIVE
  - MULTI MEDIA KIT WITH
  - 14" SVGA NON INTERLACED (1024 X 768) COLOR MONITOR
  - AGP GRAPHICS ACCELATOR WITH 4MB RAM
  - 32 BIT PCI ETHERNET (10/100 BASE-T) CARD
  - MOUSE (PS2 TYPE)
  - 104 KEYS KEYBOARD PS2TYPE
  - 2 SERIAL/ 1 PARALLEL PORT
  - WINDOWS 95 PRELOADED WITH MEDIA AND MANUALS
- (49)

8. 486 DX4 @100 MHz ISA-PCI BUS

- 16 MB RAM
- 256 KB CACHE MEMORY
- 528 MB HARD DISK IDE/EIDE
- LOGITECH MOUSE WITH PAD
- 101 KEYS KEYBOARD
- 14" SVGA COLOUR MONITOR WITH 1MB RAM
- 16 BIT ETHERNET CARD (20)

9. PENTIUM 60 MHz
- 16 MB RAM
  - 256 KB CACHE MEMORY
  - 528 MB HARD DISK IDE/EIDE
  - LOGITECH MOUSE WITH PAD
  - 101 KEYS KEYBOARD
  - 14" SVGA COLOUR MONITOR WITH 1MB RAM
  - 16 BIT ETHERNET CARD (10)

UPS WITH 30 MINUTES BACKUP

- |     |                |          |      |
|-----|----------------|----------|------|
| 1.  | 6KVA           | NUMERIC  | (02) |
| 2.  | 3KVA           | NUMERIC  | (02) |
| 3.  | 3 KVA          | LIEBERT  | (20) |
| 4.  | 3 KVA          | ABLEREX  | (06) |
| 5.  | 2KVA           | NUMERIC  | (01) |
| 6.  | 2 KVA          | PYRAMID  | (02) |
| 7.  | 1 KVA          | UNITECH  | (35) |
| 8.  | 1 KVA          | APC      | (06) |
| 9.  | 625 VA         | SAFETECH | (15) |
| 10. | 625 VA         | PYRAMID  | (05) |
| 11. | 625 VA         | SUKAM    | (12) |
| 12. | 500 VA to 1KVA | MISC     | (19) |

PERIPHERALS

I. DOT MATRIX PRINTERS

- |    |                    |                          |      |
|----|--------------------|--------------------------|------|
| 1. | PANASONIC KXP-3626 | 132 COL. 24 PIN, 300 CPS | (13) |
| 2. | TVS 355 XL CLASSIC | 136 COL, 24 PIN, 432 CPS | (09) |
| 3. | WEP                | 136 COL 24 PIN           | (10) |

II. LASER PRINTER

- |    |                     |      |
|----|---------------------|------|
| 1. | HP 6L               | (01) |
| 2. | HP LASERJET LJ-1000 | (01) |
| 3. | HP 1015             | (06) |
| 4. | HP 1012             | (02) |
| 5. | HP LJ 1022          | (04) |
| 6. | HP                  | (02) |
| 7. | HP                  | (06) |

III. PLOTTER

- |    |                  |      |
|----|------------------|------|
| 1. | AO SIZE HP 450 C | (01) |
|----|------------------|------|

IV. SCANNER

- |    |         |      |
|----|---------|------|
| 1. | HP 2400 | (03) |
| 2. | HP 4C   | (01) |

## INTERNET CONNECTIVITY

2 MBPS PURE (1 : 1) THROUGH LEASED LINE FOR 24 HOURS

## CAMPUS WIDE NETWORKING

ALL THE DEPARTMENTS AND HOSTELS ARE CONNECTED WITH CENTRAL COMPUTER CENTRE

## SOFTWARE

## 1. Detail of software given under MSDN Academic Alliance

| S.No | Detail of software given under MSDN Academic Alliance   | Version        |
|------|---|----------------|
| 1    | Windows Server 2003 Enterprise Edition with Service Pack 1 for Itanium based Systems  | June 2005      |
| 2    | Windows Server 2003 Enterprise Edition with Service Pack 1 for Itanium based Systems Checked/Debug Build  | June 2005      |
| 3.   | Windows Server 2003 Enterprise x64 Edition - Checked/Debug Build  | June 2005      |
| 4.   | Windows XP Professional x64 Edition   | June 2005      |
| 5    | Windows XP Professional x64 Edition Checked/Debug Build   | June 2005      |
| 6.   | Microsoft Exchange Server 2003 service pack 2<br>Microsoft Host Integration Server 2000 Service Pack 2<br>SQL Server 2000 Reporting Services Service pack 2   | January 2006   |
| 7    | Microsoft Identity Integration Server 2003 Enterprise Edition with Service Pack 1<br>Update for Microsoft Identity Integration Server 2003 with Service Pack 1<br>Microsoft Office Live Communications Server 2005 Enterprise Edition with Service Pack 1 | December 2005  |
| 8    | Microsoft Exchange Server 2003 Enterprise Edition<br>Exchange Server 2003 Standard Edition  | October 2003   |
| 9.   | Microsoft Office Sharepoint Portal Server 2003<br>Microsoft Office Sharepoint Portal Server 2003 Service Pack 1   | January 2005   |
| 10   | Windows Server 2003 Enterprise Edition with Service pack 1 for Itanium based systems Volume License Version   | June 2005      |
| 11   | Windows XP Tablet PC edition 2005 Disc 2  | July 2005      |
| 12   | Microsoft Windows "Longhorn" Professional Edition Beta 1  | September 2005 |
| 13   | Microsoft Windows "Longhorn" Professional x64 Edition Beta 1  | September 2005 |
| 14   | Windows Server 2003 R2 Enterprise Edition Disc 1  | March 2006     |
| 15   | SQL Server 2000 Service Pack 4  | October 2005   |
| 16   | Microsoft System Center Capacity Planner 2006 (English)<br>Microsoft System Center Data Protection Manager 2006 (English, French, German , Italian , Japanese)  | March 2006     |

|    |  |               |
|----|--|---------------|
| 17 | SQL Server 2005 Developer Edition Disc 1   | December 2005 |
| 18 | SQL Server 2005 Developer Edition Disc 2   | December 2005 |
| 19 | SQL Server 2005 Developer Edition 64-bit Extended Disc 1   | December 2005 |
| 20 | SQL Server 2005 Developer Edition 64-bit Extended Disc 2   | December 2005 |
| 21 | SQL Server 2005 Developer Edition for Itanium Based Systems Disc1  | December 2005 |
| 22 | SQL Server 2005 Developer Edition for Itanium Based Systems Disc2  | December 2005 |
| 23 | Office Sharepoint Portal Server 2003 Service Pack 2  | January 2006  |
| 24 | Microsoft Systems Management Server 2003 with service pack 1 (English)<br>Microsoft Systems Management Server 2003 International client pack 2 (Multilanguage)   | December 2005 |
| 25 | Microsoft Speech Server 2004 R2 Enterprise Edition<br>Speech Server 2004 R2 Standard Edition   | October 2005  |
| 26 | Microsoft Internet Security and Acceleration (ISA) Server 2004 Enterprise Edition<br>Microsoft Internet Security and Acceleration (ISA) Server 2004 Standard Edition (English)<br>Microsoft BizTalk Server 2004 Service Pack 1 | June 2005     |
| 27 | Windows CE .NET 4.2 Disc 1   | August 2003   |
| 28 | Windows CE .NET 4.2 Disc 2   | August 2003   |
| 29 | Msdn Subscriptions Index & Web Casts   | March 2006    |
| 30 | Windows Server 2003 R2 Enterprise Edition Disc 2<br>Windows Server 2003 R2 Enterprise Edition Disc 2 Volume License Version  | March 2006    |
| 31 | Windows Server 2003 R2 Enterprise x64 Edition Disc 1   | March 2006    |
| 32 | Windows Server 2003 R2 Enterprise x64 Edition Disc 2<br>Windows Server 2003 R2 Enterprise x64 Edition Disc 2 - Volume License Version  | March 2006    |
| 33 | Windows Server 2003 R2 Standard Edition Disc 1   | March 2006    |
| 34 | Windows Server 2003 R2 Standard Edition Disc 2<br>Windows Server 2003 R2 Standard Edition Disc 2 - Volume License Version  | March 2006    |
| 35 | Windows Server 2003 R2 Standard x64 Edition Disc 1   | March 2006    |
| 36 | Windows Server 2003 R2 Standard x64 Edition Disc 2<br>Windows Server 2003 R2 Standard x64 Edition Disc 2 - Volume License Version  | March 2006    |
| 37 | Windows XP Embedded Service Pack 2 Multilingual User Interface Disc1   | March 2005    |
| 38 | Windows XP Embedded Service Pack 2 Multilingual User Interface Disc 2  | April 2005    |

|    |   |                |
|----|---|----------------|
| 39 | SQL Server 2000 Service pack 3a ( English)<br>SQL Server 2000 Reporting Services Developer Edition<br>SQL Server 2000 Reporting Services Standard Edition   | June 2004      |
| 40 | Microsoft Content Management Server 2002 Developer Edition<br>Content Management Server 2002 Service Pack 1a<br>Content Management Server 2002 Service Pack 2<br>Biz Talk Server 2004 Developer Edition | February 2006  |
| 41 | Microsoft Commerce Server 2002 Developer Edition<br>Microsoft Commerce Server 2002 Feature Pack1<br>Microsoft Commerce Server 2002 Service Pack 3   | November 2004  |
| 42 | Volume License Versions:<br>Windows XP Professional with Service Pack 2<br>Windows XP Tablet PC Edition 2005 Disc 1   | July 2005      |
| 43 | Microsoft Speech Application Software Development Kit 1.1   | October 2005   |
| 44 | Windows XP Tablet PC Edition Checked/Debug Build Disc 1   | July 2003      |
| 45 | Windows XP Service Pack 2 with Advanced Security Technologies   | September 2004 |
| 46 | Windows XP Embedded with Service Pack 1 Disc 1  | March 2005     |
| 47 | Windows XP Embedded with Service Pack 1 Disc 2  | March 2005     |
| 48 | Windows XP Embedded with Service Pack 2 Disc 3  | March 2005     |
| 49 | Windows XP Embedded Service Pack 1 Multilingual User Interface Disc 1   | March 2005     |
| 50 | Windows XP Embedded Service Pack 1 Multilingual User Interface Disc 2   | March 2005     |
| 51 | Windows XP Professional with service Pack 2<br>Windows XP Tablet PC Edition 2005 Disc 1   | July 2005      |
| 52 | Windows Hardware Compatibility Test Kit Version 12.1<br>Windows Display Compatibility Test Kit 5.3  | May 2005       |
| 53 | Windows XP Embedded Service Pack 1 Multilingual User Interface Disc 3   | March 2005     |
| 54 | Windows XP Embedded Service Pack 1 Multilingual User Interface Disc 4   | March 2005     |
| 55 | Windows Server 2003 with Service Pack 1 Customer Support and Diagnostics Media  | June 2005      |
| 56 | Windows Server 2003 with Service Pack 1 System Resource Manager   | June 2005      |
| 57 | Msdn subscriptions Library Disc3  | January 2006   |
| 58 | Msdn subscriptions Library Disc 1   | January 2006   |
| 59 | Msdn subscriptions Library Disc 2   | January 2006   |
| 60 | Microsoft Interix 2.2<br>Microsoft MapPoint SDK<br>Microsoft Visio SDK (English)<br>Microsoft Data Access Components 2.8<br>Microsoft Glossaries ( All Languages )                                      | March 2004     |
| 61 | Windows Real Time Communications Client API SDK 1.3<br>Windows Rights Management SDKs (English)<br>Software Update Services Server with Service Pack 1 (  | March 2005     |

|    |   |                |
|----|---|----------------|
|    | English, Japanese)<br>SQL Server 2000 Notification Services 2.0   |                |
| 62 | Visual Basic for Application Software Development Kit<br>Version 6.4  | June 2004      |
| 63 | Microsoft Speech SDK 5.0<br>Windows CE DirectX Services SDK Version 1.1<br>SharePoint Team Services SDK Version 1.1   | March 2004     |
| 64 | Windows XP Service Pack 1 Driver Development Kit<br>Windows Server 2003 with Service Pack 1 Driver<br>Development Kit | June 2005      |
| 65 | Microsoft Data Access Components (MDAC) 2.8 Service<br>Pack 1   | September 2005 |

|    |  |                |
|----|--|----------------|
| 66 | DirectX SDK (December 2005) (English)<br>Microsoft .NET Compact FrameWork 2.0 Redistributable<br>(French, Italian, Korean, Protuguese –Brazil, Simplified Chinese<br>Spanish, Traditional Chinese) | March 2006     |
| 67 | Microsoft .NET Framework 2.0 SDK (x86)   | February 2006  |
| 68 | Microsoft .NET Framework 2.0 SDK (x64)   | February 2006  |
| 69 | Microsoft .NET Framework 2.0 SDK (IA64)  | February 2006  |
| 70 | Windows CE .NET 4.2 Disc 3   | August 2003    |
| 71 | Windows CE .NET 4.2 Disc 4   | August 2003    |
| 72 | Microsoft Windows “ Longhorn” Professional Edition Beta 1<br>Windows Driver Kit (WDK)  | September 2005 |
| 73 | Windows CE .NET 4.2 Disc 5   | August 2003    |
| 74 | Windows CE .NET 4.2 Disc 6   | August 2003    |
| 75 | Windows “ Longhorn” Beta 1 Software Development Kit (SDK)<br>Windows “ Longhorn” Professional Edition Beta 1 Windows<br>Automated Installation Kit (WAIK)  | November 2005  |
| 76 | Customer Support Diagnostics for Windows XP Service Pack 2   | September 2004 |
| 77 | Windows XP Professional Checked/Debug Build  | October 2001   |
| 78 | Windows Server 2003 Enterprise Edition with Service Pack 1 ,<br>Checked/Debug Build  | November 2005  |
| 79 | Visual J# 2005 Express Edition   | December 2005  |
| 80 | Visual Web Developer 2005 Express Edition  | December 2005  |
| 81 | Visual Source Safe 2005  | December 2005  |
| 82 | Visual Studio 2005 Professional Edition Disc 1   | December 2005  |
| 83 | Visual Studio 2005 Professional Edition Disc 2   | December 2005  |
| 84 | MSDN Library for Visual Studio 2005 Disc 1   | December 2005  |
| 85 | MSDN Library for Visual Studio 2005 Disc 2   | December 2005  |
| 86 | MSDN Library for Visual Studio 2005 Disc 3   | December 2005  |
| 87 | Visual Studio 2005 Tools for the Microsoft Office System   | December 2005  |
| 88 | Office InfoPath 2003 Toolkit for Visual studio 2005  | December 2005  |
| 89 | Microsoft Office OneNote 2003 with Service Pack 1<br>Office Visio Professional 2003  | September 2005 |
| 90 | Microsoft Office Project Professional 2003<br>Microsoft Office Project Server 2003   | November 2003  |
| 91 | Microsoft Data Analyzer<br>Microsoft Office 2003 Service Pack 2<br>Office Access 2003  | February 2006  |

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|----|--|---------------|
|    | Office InfoPath 2003   |               |
| 92 | Microsoft Office 2003 Service Pack 2<br>Office Business ScoreCard Manager 2005<br>Office OneNote Service Pack 2<br>Office Project 2003 Service Pack 2<br>Office Project Server 2003 Service Pack 1<br>Office Visio 2003 Service Pack 2 | January 2006  |
| 93 | Microsoft .NET Compact Framework 2.0 Redistributable<br>.NET Framework 1.1 SDK<br>.NET Framework 1.1 Service Pack 1 for Windows Server 2003<br>.NET Framework Version 2.0 Redistributable  | February 2006 |

|     |   |                |
|-----|---|----------------|
| 94  | DirectX 9.0c SDK Update (October 2005)<br>Microsoft Application Comatability Toolkit 4.1<br>Microsoft Enterprise Instrumentatiion Framework<br>Microsoft Mobile Internet Toolkit 1.0<br>Microsoft System management Server SDK v3.1 | January 2006   |
| 95  | Microsoft Volume Shadow Copy Service SDK 7.2<br>Microsoft Internet Security and Acceleration (ISA) Server<br>2004 Enterprise edition SDK  | December 2005  |
| 96  | Windows XP Service Pack 2 Platform SDK<br>Windows XP Tablet PC Edition SDK 1.7  | October 2004   |
| 97  | Windows Mobile 2003 Second Edition Emulators for Pocket<br>PC<br>Windows Mobile 2003 Second Edition Emulators for<br>smartphone<br>Windows Mobile 2003 Second Edition Resource Package  | November 2004  |
| 98  | Platform SDK for Windows Server 2003 Service Pack 1 April<br>2005 Edition   | June 2005      |
| 99  | Microsoft Operations Manager 2005with Service Pack 1<br>Operation manager 2005 Workgroup Edition with service<br>Pack 1   | November 2005  |
| 100 | Visual Foxpro 9.0<br>Visual Foxpro 9.0 Service pack 1   | March 2006     |
| 101 | Microsoft Office Access 2003 Developer Extensions<br>(English, French,German,Italian,Spanish)<br>Office Access 2003 Developer Extensions User Interface pack<br>(Japanese)  | December 2005  |
| 102 | Visual Studio 2005 Standard Edition Disc 2  | December 2005  |
| 103 | Visual Studio 2005 Standard Edition Disc 1  | December 2005  |
| 104 | Visual Basic 2005 Express Edition   | December 2005  |
| 105 | Visual C++ 2005 Express Edition   | December 2005  |
| 106 | Visual C# 2005 Express Edition  | December 2005  |
| 107 | Microsoft eMbedded Visual C++ 4.0 with SP2<br>eMbedded Visual Tools 3.0 – 2002 Edition<br>eMbedded Visual C++ 4.0 with SP2 QFE 5308<br>eMbedded Visual C++ Upgrade Wizard for Visual Studio<br>2005 Beta 2                          | September 2005 |



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|-----|---|---------------|
| 108 | Microsoft Academic Resource Kit for .NET Technology CD #1: Teaching Resources   | February 2004 |
| 109 | Microsoft Academic Resource Kit for .NET Technology CD #2: Teaching Resources   | February 2004 |
| 110 | Windows Server 2003 Web Edition with Service pack 1   | November 2005 |
| 111 | Microsoft Virtual PC 2004<br>Microsoft System Resource Manager (English)<br>Microsoft Virtual PC 2004 Service Pack1 (ALL Languages) | January 2005  |
| 112 | Microsoft eLearning Library , Developer Edition for MSDN Academic Alliance  | February 2004 |
| 113 | Windows Server 2003 R2 Enterprise X64 Edition Disc 1 Volume License Version   | March 2006    |
| 114 | Windows Server 2003 R2 Standard Edition Disc 1 Volume License Version   | March 2006    |
| 115 | Windows Server 2003 R2 Standard x64 Edition Disc 1 Volume License Version   | March 2006    |

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|-----|---|---------------|
| 116 | Microsoft Office Project Server 2003 Service pack 2a (All Languages)<br>Microsoft Office Business ScoreCard Manager 2005 ( French, German, Spanish)                   | March 2006    |
| 117 | Microsoft Office Visio Professional 2003 MultiLanguag User Interface disc1 ( French,German,Italian,Japanese)  | January 2004  |
| 118 | Microsoft Office Visio Professional 2003 MultiLanguag User Interface disc2 ( Danish, Dutch,Finnish,Simplified Chinese)  | February 2004 |
| 119 | Microsoft Office Visio Professional 2003 MultiLanguag User Interface disc3 (Portuguese Brazil, Spanish, Swedish, Traditional Chinese )                                | February 2004 |
| 120 | Microsoft Office Visio Professional 2003 MultiLanguag User Interface disc 4 ( Czech, Korean, Norwegian, polish)   | February 2004 |
| 121 | Microsoft Office Project Professional 2003 MultiLanguag User Interface disc1(Danish, Dutch, French,German , Italian,Japanese )  | February 2004 |
| 122 | Microsoft Office Project Professional 2003 MultiLanguag User Interface Disc2 (Finnish, Norwegian, Polish , Simplified Chienese, Swedish)                              | February 2004 |
| 123 | Microsoft Office Project Professional 2003 MultiLanguag User Interface Disc3 ( Greek, Korean, Portuguese-Brazil, Portuguese – Porugal, Spanish, Traditional Chinese ) | June 2004     |
| 124 | Microsoft Office Project Professional 2003 MultiLanguag User Interface Disc 4 ( Czech, Hebrew, Hungarian, Russian, Turkish)   | June 2004     |
| 125 | Office Project 2003 Service Pack 2 Multilingual User Interface Pack<br>Office Visio 2003 Service Pack 2 For Multilingual User Interface                               | January 2006  |

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|-----|---|---------------------------|
|     | Pack  |                           |
| 126 | Microsoft Virtual PC 2004<br>Microsoft Virtual PC 2004 for Mac 7.0.2<br>(English, French, German, Japanese)<br>Microsoft Virtual PC 2004<br>(Italian, Spanish)                                    | January 2006              |
| 127 | Volume License Version :<br>Windows Server 2003 Web Edition with service Pack 1   | November 2005             |
| 128 | Windows XP Professional x64 Edition Volume License Version  | June 2005                 |
| 129 | Windows Server 2003 R2 Enterprise Edition Disc 1 Volume<br>License Version  | March 2006                |
| 130 | Windows Vista Ultimate Edition Beta 2   | July 2006                 |
| 131 | Office InfoPath 2003<br>Microsoft office Project Server 2003 Service Pack 2a<br>Microsoft Virtual Server 2005 R2 Enterprise Edition<br>Virtual Server 2005 R2 Enterprise Edition (x64)            | July 2006                 |
| 132 | Msdn Subscriptions Index & webcasts   | July 2006                 |
| 133 | SQL Server 2005 Service Pack 1<br>SQL Server 2005 Service Pack 1 64-bit Extended  | July 2006                 |
| 134 | DirectX SDK (April 2006) (English)<br>Microsoft .Net Compact frameWork 2.0 Redistributable<br>( French, Italian, Korean, Portuguese- Brazil, Simplified Chinese,<br>Spanish, traditional Chinese) | July 2006                 |
| 135 | Platform SDK for windows Server 2003 R@ March 2006 Edition<br>Windows XP Tablet PC Edition SDK 1.7  | July 2006                 |
| 136 | SQL Server 2005 Standard Edition 64 bit Extended Disc 1   | May 2006                  |
| 137 | SQL Server 2005 Standard Edition 64 bit Extended Disc 1   | May 2006                  |
| 138 | Msdn Subscriptions Library Disc 3   | May 2006                  |
| 139 | SQL Server 2005 Standard Edition Disc 2   | May 2006                  |
| 140 | Msdn Subscriptions Library Disc 2   | May 2006                  |
| 141 | Microsoft Connected Services Framework 2.5 Developer Edition<br>Microsoft ISA Server 2004 Enterprise Edition<br>ISA Server 2004 Standard Edition (English)<br>BizTalk Server 2004 Service Pack 1  | May 2006                  |
| 142 | Visual Studio 2005 Team Foundation Server   | Trial Version 180<br>days |
| 143 | SQL Server 2005 Standard Edition Disc 1   | May 2006                  |
| 144 | Msdn Subscriptions Index & webcasts   | May 2006                  |
| 145 | Msdn Subscriptions Library Disc 1   | May 2006                  |
| 146 | Microsoft MSDN Software Name  | Version                   |
| 147 | Windows CE .NET 5.0 Disc 1  | June 2006                 |
| 148 | Windows CE .NET 5.0 Disc 2  | June 2006                 |
| 149 | Windows CE .NET 5.0 Disc 3  | June 2006                 |
| 150 | Windows CE .NET 5.0 Disc 4  | June 2006                 |
| 151 | Windows CE .NET 5.0 Disc 5  | June 2006                 |
| 152 | Windows CE .NET 5.0 Disc 5  | June 2006                 |
| 153 | BizTalk Adapters for Enterprise Applications<br>BizTalk Server 2006 Developer Edition   | June 2006                 |
| 154 | Msdn Subscriptions Index & WebCasts   | June 2006                 |

## 2. Other Software

| Sr. No. | Software  |
|---------|---|
| 1.      | NORTON ANTIVIRUS CORPORATE EDITION                |
| 2.      | CYBERNETRA INTERNET BANDWIDTH MANAGEMENT SOFTWARE |
| 3       | WINDOWS XP PRO                                    |
| 4       | VISUAL C++  |
| 5       | VISUAL BASIC                                      |
| 6       | VISUAL FOXPRO                                     |
| 7       | VISUAL JAVA                                       |
| 8       | MS OFFICE 2000                                    |
| 9       | IBM RATIONAL SEED PROGRAM FOR 12 USERS            |
| 10      | WINDOWS 95  |
| 11      | WINDOWS NT SERVER                                 |
| 12      | ORACLE 8.0  |
| 13      | PERSONAL ORACLE                                   |
| 14      | ADOBE PHOTOSHOP CS 2 VER. 9.0 FP                  |
| 15      | NOVELL NETWARE                                    |
| 16      | MATLAB  |
| 17      | ADOBE ACROBAT READER /WRITER                      |
| 18      | TURBO C++ SUITE                                   |
| 19      | MCFEE ANTIVIRUS FULL PRODUCT                      |

**ANNEXURE - IV**  
**CENTRAL WORKSHOP**

**MACHINE SHOP**

| Sr.No. | Name of Equipment/ Machinery                          | Qty.    | Approx. Cost | Amount     |
|--------|---|---------|--------------|------------|
| 01     | Universal Tool & Cutter Grinder HMT (GTC-28)          | 01      | 5,04494/-    | 5,04494/-  |
| 02     | Universal Milling M/C HMT FNU-1                       | 01      | 6,21050/-    | 6,21050/-  |
| 03     | Allen key set 2-10 MM                                 | 02 set  | 196/-        | 392/-      |
| 04     | Pillar Type Drilling M/C (RP) 40 Ø                    | 01      | 57,678/-     | 57,678/-   |
| 05     | Shaping Machine 18"                                   | 01      | 69,900/-     | 69,900/-   |
| 06     | Bench Vice 6"   | 01      | 1248/-       | 1248/-     |
| 07     | Bench Vice 4"   | 03      | 699/-        | 2097/-     |
| 08     | Ball peen Hammer 400 gm.                              | 01      | 97/-         | 97/-       |
| 09     | Ball Peen Hammer 200 gm.                              | 01      | 69/-         | 69/-       |
| 10     | Bench grinding Machine 150 mm                         | 01      | 6670/-       | 6670/-     |
| 11     | Boring Bar ½ "  | 05      | 80/-         | 400/-      |
| 12     | Boring Bar ¼"   | 05      | 80/-         | 400/-      |
| 13     | Combination side cutting plier 6"                     | 01      | 88/-         | 88/-       |
| 14     | Out side caliper 8"                                   | 01      | 20/-         | 20/-       |
| 15     | Center punch 4"                                       | 01      | 21/-         | 21/-       |
| 16     | Cross peen Hammer 200 gm.                             | 01      | 69/-         | 69/-       |
| 17     | Centre Drill Bs 5.5 MM                                | 08      | 150/-        | 1500/-     |
| 18     | Centre Lathe M/C 1700 mm HMT                          | 05      | 4,03431/-    | 19,50000/- |
| 19     | Centre Lathe M/C L.1350 MM                            | 05      | 60,000/-     | 3,00,000/- |
| 20     | Double Ended spanner set 6-22                         | 01 set  | 194/-        | 194/-      |
| 21     | Drill chuck 19 MM                                     | 01      | 300/-        | 300/-      |
| 22     | Drill Bit (H.S.S) 8.5 M/M                             | 01      | 80/-         | 80/-       |
| 23     | Drill Chuck 12.7 mm.                                  | 02      | 250/-        | 500/-      |
| 24     | Drill Chuck MT-2-3 3-4                                | 03      | 305/-        | 915/-      |
| 25     | H.S.S Twist Parallel Shank Dia 3 to 10 & 12 mm        | 02 Each | 1000/-       | 2000/-     |
| 26     | H.S.S.Taper Shank Twist Drill Dia 15-16-18-20-24-25mm | 02 Each | 10,000/-     | 10,000/-   |
| 27     | Flate file smooth 10 "                                | 03      | 81/-         | 285/-      |
| 28     | End Mill Cutter Dia 3-5-6-8-10-12-15mm                | 02 Each | 1000/-       | 2000/-     |
| 29     | Grinding wheel 12" & 6"                               | 4 +4    | 300/-        | 2400/-     |
| 30     | Grinding wheel Dresser                                | 02      | 750/-        | 1500/-     |
| 31     | Capstan Combined SU-27 Centre Lathe. 1350 mm.         | 01      | 1,52984/-    | 1,52984/-  |
| 32     | CNC Trainer Lathe T-100                               | 01      | 6,80,000/-   | 6,80,000/- |
| 33     | Dial Bore gauge 18-35 m/m                             | 01      | 5,000/-      | 5,000/-    |
| 34     | Gear Cutter Bore 22mm Bore.2m                         | 01 set  | 760/-        | 760/-      |
| 35     | Gear Cutter H.S.S 12 D.P one set                      | 01 set  | 1500/-       | 1500/-     |
| 36     | Half Round file Bastard 8"                            | 02      | 102.50/-     | 205/-      |
| 37     | H.S.S Side & Face Cutter 63x22x16mm                   | 02      | 1206/-       | 2412/-     |
| 38     | H.S.S Side & Face Cutter 100x32x16mm                  | 02      | 4204/-       | 4808/-     |
| 39     | H.S.S Tap Set (M10x1.5)                               | 01      | 496/-        | 496/-      |
| 40     | H.S.S Parallel shank drill 13/32"                     | 02      | 80/-         | 160/-      |
| 41     | H.S.S Parallel Shank Drill 21/64"                     | 02      | 60/-         | 120/-      |
| 42     | Inside Caliper 6"                                     | 04      | 190/-        | 760/-      |
| 43     | Out Side Caliper 6"                                   | 04      | 180/-        | 720/-      |
| 44     | Out Side Micrometer (0-25mm)                          | 02      | 465/-        | 9300/-     |
| 45     | Out Side Micrometer (25-50mm)                         | 01      | 5100/-       | 5100/-     |
| 46     | Power Hacksaw M/C 8"                                  | 01      | 26095/-      | 26095/-    |
| 47     | Pedestal Grinding M/C 12" Double                      | 01      | 11942/-      | 11942/-    |
| 48     | Dial Test indicator Magnetic stand                    | 01      | 6288/-       | 6288/-     |
| 49     | Parting Tool holder                                   | 03      | 460/-        | 1380/-     |
| 50     | Radial drilling M/C RM-62 HMT                         | 01      | 5,15750/-    | 5,15750/-  |
| 51     | Surface Plate 24"x 24"                                | 01      | 11940/-      | 11940/-    |
| 52     | Shaper Machine 12" stroke                             | 01      | 58,752/-     | 58,752/-   |
| 53     | Screw pitch guage Std.mm/inch                         | 04      | 300/-        | 1200/-     |
| 54     | Slitting saw Cutter ( 150x32x3mm)                     | 02      | 725/-        | 1450/-     |
| 55     | Vermier Calliper ( 0-150mm)                           | 02      | 7235/-       | 14470/-    |
| 56     | Tap & Dia Set( ¼"to ¾")                               | 01 set  | 1500/-       | 1500/-     |

|    |  |         |               |          |
|----|--|---------|---------------|----------|
| 57 | Equal Angle Cutter 45°   | 02      | 500/-         | 1000/-   |
| 58 | Dovetail Cutter Angle 45° shank 16mm                             | 02      | 250/-         | 500/-    |
| 59 | H.S.S Parrel shank Reamer 10,12, 15 & 20 mm                      | 02 each | 1000/-        | 2000/-   |
| 60 | Lathe dog carrier 20, 30 & 40 dia                                | 10 each | 26/-, 43 & 52 | 1220/-   |
| 61 | Sloting machine 150 mm Stoke                                     | 01      | 65000/-       | 65000/-  |
| 62 | Planing machine 4½ Under process                                 | 01      | 2,05000       | 2,05000  |
| 63 | Hydraulic Surface Grinder Under process 600×200 (1982×1372×1830) | 01      | 2,32000       | 2,32000  |
| 64 | C.N.C. Milling MT-200 Under process                              | 01      | 6,83000       | 6,83000  |
| 65 | Plastic Injection  | 01      | 2,87,474      | 2,87,474 |
| 66 | Turret Lathe   | 01      | 1,68,222      | 1,68,222 |

## SHEET METAL SHOP

| Sr. No | Name of Equipment / Machinery         | Qty   | Approx. Cost                | Amount   |
|--------|---------------------------------------|-------|-----------------------------|----------|
| 01     | Slip out type bending M/C size 36 "   | 01    | 19943/-                     | 19943/-  |
| 02     | Circular Cutting Machines (500mm dia) | 01    | 14392/-                     | 14392/-  |
| 03     | Hydraulic pipe bending M/C (50mm)     | 01    | 12944/-                     | 12944/-  |
| 04     | Edge folding M/C (1000mm sheet cutt)  | 01    | 41860/-                     | 41860/-  |
| 05     | Arbous press                          | 01    | 5943/-                      | 5943/-   |
| 06     | Hand shear Cutt M/C (14               | 01    | 9445/-                      | 9445/-   |
| 07     | Fly press                             | 01    | 9850/-                      | 9850/-   |
| 08     | Anvil Block (100kg)                   | 01    | 3800/-                      | 3800/-   |
| 09     | Allen Key ( 2-10)                     | 01Set | 196/-                       | 196/-    |
| 10     | Plier 6"                              | 02    | 88/-                        | 176/-    |
| 11     | Plier 8"                              | 01    | 118/-                       | 118/-    |
| 12     | Cross Peen Hammer 200gm.              | 01    | 69/-                        | 69/-     |
| 13     | Double ended spanner (6-22)           | 01    | 194/-                       | 194/-    |
| 14     | Edge Flat file 12"                    | 02    | 121/-                       | 242/-    |
| 15     | Flat file 6" (Basted )                | 02    | 413/-                       | 826/-    |
| 16     | Half Round file 8"                    | 02    | 102.50/-                    | 205/-    |
| 17     | Square file 12"                       | 02    | 78.50/-                     | 157/-    |
| 18     | Hammer ball peen 200gm                | 06    | 69/-                        | 414/-    |
| 19     | Hammer ball peen 400gm                | 01    | 97/-                        | 97/-     |
| 20     | Ring spanner 6-22                     | 01    | 422.50/-                    | 422.50/- |
| 21     | Screw driver 6×75                     | 01    | 21.00/-                     | 21.00/-  |
| 22     | Screw driver 6×100                    | 01    | 30.75/-                     | 30.75/-  |
| 23     | Bench vice 6"                         | 01    | 1248/-                      | 1248/-   |
| 24     | Bench vice 4"                         | 03    | 699/-                       | 2097/-   |
| 25     | Pipe wrench 12"                       | 01    | 183/-                       | 183/-    |
| 26     | Wooden Mallet                         | 02    | 50/-                        | 100/-    |
| 27     | Taper stake                           | 01    | 650/-                       | 650/-    |
| 28     | Electric soldering iron               | 02    | 60/-                        | 120/-    |
| 29     | Std. Wire gauge                       | 01    | 120/-                       | 120/-    |
| 30     | Straight Snip                         | 10    | Item no 31 to 40 Rs. 2974/- | 29740/-  |
| 31     | Bend type snip                        | 10    | -                           | -        |
| 32     | Big sheal snip                        | 10    | -                           | -        |
| 33     | Measuring tape 2 meter                | 10    | -                           | -        |
| 34     | Mattle rule 12"×24"                   | 10    | -                           | -        |
| 35     | Sheet marker                          | 10    | -                           | -        |
| 36     | Wing divider                          | 10    | -                           | -        |
| 37     | Spring divider                        | 10    | -                           | -        |
| 38     | Centre punch                          | 10    | -                           | -        |
| 39     | Hex Draw punch                        | 10    | -                           | --       |
| 40     | Round draw punch                      | 10    | -                           | -        |
| 41     | Chiesel (Big )                        | 10    | Item No 31to 58 Rs.2974/-   | 29740/-  |
| 42     | Chiesel (small)                       | 10    |                             |          |
| 43     | Chiesel (side Cutting )               | 10    |                             |          |
| 44     | Breading stake                        | 10    |                             |          |
| 45     | Half moon stake                       | 10    |                             |          |
| 46     | Round Head stake                      | 10    |                             |          |
| 47     | Grooving stake                        | 10    |                             |          |

|    |                           |    |       |       |
|----|---------------------------|----|-------|-------|
| 48 | Soldering Iron (Hatchet ) | 10 |       |       |
| 49 | Soldering rod for Baging  | 10 |       |       |
| 50 | Rivet puinch ( Large )    | 10 |       |       |
| 51 | Rivet Punch (Medium )     | 10 |       |       |
| 52 | Rivet Punch (Small)       | 10 |       |       |
| 53 | Wooden Mallet (Big I      | 10 |       |       |
| 54 | Wooden mallet( Medium )   | 10 |       |       |
| 55 | Fuller Hammer 500gm       | 10 |       |       |
| 56 | Square face Hammer 200gm. | 10 |       |       |
| 57 | Rivet snap                | 10 |       |       |
| 58 | Steel rule 12"            | 10 |       |       |
| 59 | Blower Lamp 250 ml.       | 01 | 285/- | 285/- |
| 60 | Figure punch (0-9)        | 01 | 60/-  | 60/-  |

### Welding Shop

| Sr. No. | Name of Equipment/ Machinery              | Qty.  | Approximate Rate | Amount    |
|---------|---|-------|------------------|-----------|
| 01      | A.C. Arc Welding M/C 300 AMPS.            | 01    | -                | 19700/-   |
| 02      | A.C. Arc Welding M/C 500 Amps.            | 02    | -                | 29750/-   |
| 03      | Anvil Block 100kg.                        | 01    | -                | 7348/-    |
| 04      | Apran                                     |       | 110              | 330/-     |
| 05      | Acetylene regulator                       | 01    | -                | 1465/-    |
| 06      | Acetylene cylinder                        | 02    | 4000/-           | 8000/-    |
| 07      | A.C. Arc welding set portable             | 01    | 4000/-           |           |
| 08      | Ball peen Hammer 500gm                    | 05    | 114/-            | 570/-     |
| 09      | Bench vice 6"/4" =3+1                     | 08    | 1250/-           | 3750/-    |
| 10      | Cross peen hammer 200gms.                 | 02    | 69/-             | 138       |
| 11      | Cutting Plier 8"                          | 02    | 118/-            | 236/-     |
| 12      | Copper Cable                              | 26 M. | 139/-            |           |
| 13      | Chipping hammer                           | 10    | 24/-             | 240/-     |
| 14      | Oxy-acetylene cutting torch               | 01    | 1896.75/-        | 1896.75/- |
| 15      | Contact tip torch                         | 01    |                  |           |
| 16      | Contact tip holder                        | 01    |                  |           |
| 17      | CO <sup>2</sup> Cylinder                  | 01    |                  |           |
| 18      | Cylinder Key                              | 02    | 30/-             | 60/-      |
| 19      | Co <sup>2</sup> Heater                    | 01    |                  |           |
| 20      | Co <sup>2</sup> gas hose                  | 01    |                  |           |
| 21      | Double ended spanner 6-22 set             | 01    | 194/-            | 194/-     |
| 22      | Earthing Clamp                            | 05    | 100/-            | 500/-     |
| 23      | Earthing cable                            | 01    |                  |           |
| 24      | Flart file 12" 13" -10"-1                 | 14    | 65/-             |           |
| 25      | Co <sup>2</sup> Regulator with flow meter | 01    | -                | -         |
| 26      | Hose Coupler                              | 01    | -                | -         |
| 27      | Hand screen                               | 08    | 115/-            | -         |
| 28      | Hose pipe                                 | 30    | 60/-             | -         |
| 29      | Heater connecting wire                    | 01    | -                | -         |
| 30      | Hose Clip                                 | 02    | -                | -         |
| 31      | Hand Gloves                               | 21    | -                | -         |
| 32      | M.I.G M/C 250Amp.                         | 01    | 64,500/-         | 64,500/-  |
| 33      | Oxygen Regulator                          | 02    | 1505/-           | -         |
| 34      | Oxygen Cylinder                           | 02    | 3250/-           | -         |
| 35      | Ring Spanner 6-22 set                     | 01    | 422.50/-         | -         |
| 36      | Steel Rule 12"                            | 02    | 40/-             | -         |
| 37      | Swage Block 450×450                       | 01    | 8395/-           | -         |
| 38      | Sledge Hammer 5Kg                         | 01    | 498/-            | -         |

|    |  |    |           |         |
|----|--|----|-----------|---------|
| 39 | Spot Welding                               | 01 | 21,744/-  | -       |
| 40 | Suffari H.P. welding torch                 | 01 | 1793,95/- | -       |
| 41 | Screw Driver 6x125                         | 03 | 21/-      | -       |
| 42 | Spare M.I.G torch                          | 01 | -         | -       |
| 43 | Spark Lighter                              | 05 | 16/-      | -       |
| 44 | Screw Wrench                               | 01 | -         | -       |
| 45 | Try Square                                 | 02 | 15/-      | -       |
| 46 | Tong 12" (flat )                           | 12 | -         | -       |
| 47 | Welding Goggle                             | 11 | 65/-      | -       |
| 48 | Welding Holder 500 Amps.                   | 04 | 95/-      | -       |
| 49 | Spare Nut For oxygen & Acetylene Regulator | 04 | -         | -       |
| 50 | Argon Arc Welding M/C                      | 01 | -         | 81000/- |
| 51 | Hacksaw Frame 12"                          | 02 | 20/-      | -       |
| 52 | Box Spanner 6-24                           | 01 | -         | 1420/-  |
| 53 | Pipe wrench 18"                            | 01 | 195/-     | -       |
| 54 | Figure Punch 0-9                           | 01 | -         | -       |

#### FITTING SHOP

| Sr. No. | Name of Equipment/ Machinery       | Qty.     | Approximate Rate | Amount  |
|---------|------------------------------------|----------|------------------|---------|
| 01.     | Anvil 100kg.                       | 01       | 3800/-           | 3800/-  |
| 02.     | Allen Key 2-10mm                   | 01 set   | 196/-            | 196/-   |
| 03      | Bench Vice 4"                      | 22Nos.   | 700/-            | 1540/-  |
| 04.     | Bench grinder                      | 01       | 6340/-           | 6340/-  |
| 05.     | Bench drilling M/C 12mm            | 01       | 14440/-          | 14440/- |
| 06.     | Electric drilling M/C              | -- ----- | -----            | -----   |
| 07.     | Angle Plate 150x150 mm             | 01       | 1340/-           | 1340/-  |
| 08.     | Ball Peen Hammer 200gm.            | 04       | 50/-             | 240/-   |
| 09.     | Ball Peen Hammer 400gm.            | 04       | 100/-            | 400/-   |
| 10.     | Center Punch 4"                    | 02       | 21/-             | 42/-    |
| 11.     | Cross Peen Hammer 200gm.           | 04       | 70/-             | 280/-   |
| 12.     | Combination Side cutting pliers 6" | 01       | 88/-             | 88/-    |
| 13.     | Combination set 12"                | 01       | 6942/-           | 6942/-  |
| 14.     | Chisel Demand cut 6"               | 01       | 60/-             | 60/-    |
| 15.     | Double end spanner set 6 to 22 mm  | 01 set   | 194/-            | 194/-   |
| 16.     | Drill bit 8 to 5mm                 | 04       | 80/-             | 80/-    |
| 17.     | Drill bit 3 -14 mm                 | 02 Each  | 750/-            | 1500/-  |
| 18.     | Die with handle M-10               | 01 set   | 95/-             | 95/-    |
| 19.     | Drill Vice                         | 01 No.   | 990/-            | 990/-   |
| 20.     | Flat file smooth 10"               | 06       | 100/-            | 600/-   |
| 21.     | Flat file Bustard 10"              | 12       | 50/-             | 600/-   |
| 22.     | Flat file Bustard 6"               | 08       | 170/-            | 340/-   |
| 23.     | Flat file smooth 6"                | 12       | 70/-             | 840/-   |
| 24.     | Flat file Bustard 12"              | 12       | 70/-             | 840/-   |
| 25.     | Flat file Smooth 12"               | 04       | 125/-            | 500/-   |
| 26.     | Venire height gauge 300mm          | 01       | 16324/-          | 16324/- |
| 27.     | Half Round file 12"                | 08       | 160/-            | 1280/-  |
| 28.     | Half Round file 8"                 | 06       | 100/-            | 600/-   |
| 29.     | Hacksaw farm 12"                   | 09       | 40/-             | 360/-   |
| 30.     | Tap set M-10 (10x1.5)              | 02 set   | 450/-            | 900/-   |
| 31.     | Knife edge file 12"                | 07       | 200/-            | 1400/-  |
| 32.     | Knife edge file 10"                | 07       | 180/-            | 1350/-  |
| 33.     | Number Punch 0-9                   | 03       | 60/-             | 180/-   |
| 34.     | Out Side Caliper 6"                | 01       | 180/-            | 180/-   |

|     |                             |        |         |         |
|-----|-----------------------------|--------|---------|---------|
| 35. | In Side Caliper 6"          | 01     | 190/-   | 190/-   |
| 36. | Out Side Micrometer         | 01     | 1500/-  | 1500/-  |
| 37. | Out Side Micrometer         | 01     | 5125/-  | 5125/-  |
| 38. | Rammer 8.6mm                | 02     | 200/-   | 400/-   |
| 39. | Ring Spanner 6-20 mm        | 01 set | 425/-   | 425/-   |
| 40. | Round file rough 12"        | 06     | 125/-   | 750/-   |
| 41. | Round File smooth 12"       | 07     | 135/-   | 745/-   |
| 42. | Round File smooth 8 "       | 05     | 100/-   | 500/-   |
| 43. | Radius gauge 1set 05to 07   | 01 set | 610/-   | 610/-   |
| 44. | Screw driver 6 X 125 mm.    | 02     | 22/-    | 44/-    |
| 45. | Square file 10 "            | 08     | 100/-   | 800/-   |
| 46. | Steel rule 12 "             | 06     | 20/-    | 120/-   |
| 47. | Surface plate C.I 24" x 24" | 01     | 11940/- | 11940/- |
| 48. | Scriber 6"                  | 01     | 20/-    | 20/-    |
| 49. | Triangular file Basted 10"  | 08     | 125/-   | 1000/-  |
| 50. | Try Square 4"               | 07     | 50/-    | 350/-   |
| 51. | Vernier caliper 0-150 mm    | 01     | 12470/- | 12470   |

### CARPENTRY SHOP

| Sr. No | Name of Equipment/ Machinery | Qty.  | Approx. cost. | Amount. |
|--------|------------------------------|-------|---------------|---------|
| 01     | Allen Key ( 2-10) mm         | 01set | 196/-         | 196/-   |
| 02     | Oil Stone                    | 05    | 65/-          | 325/-   |
| 03     | Ball Peen Hammer 200 gms     | 01    | 69/-          | 69/-    |
| 04     | Ball Peen Hammer 500 gms     | 01    | 97/-          | 97/-    |
| 05     | Ball Peen Hammer 150 gms     | 02    | 18/-          | 36/-    |
| 06     | Ball Peen Hammer 250 gms     | 03    | 144/-         | 144/-   |
| 07     | Block Plane 107 mm           | 05    | 2225/-        | 2225/-  |
| 08     | Cross Peen Hammer 200 gms    | 02    | 69/-          | 138/-   |
| 09     | Plier 200 mm                 | 02    | 236/-         | 236/-   |
| 10     | Compass Saw                  | 01    | 24/-          | 24/-    |
| 11     | Claw Hammer 250 gms.         | 03    | 165/-         | 165/-   |
| 12     | Carpentry Bench Vice 8"      | 08    | 6000/-        | 6000/-  |
| 13     | Cross Peen Hammer 250 gms    | 03    | 144/-         | 144/-   |
| 14     | T-bar Clamp                  | 01    | 180/-         | 180/-   |
| 15     | Center Punch 4"              | 01    | 21/-          | 21/-    |
| 16     | Edge ( side Axe)             | 01    | 65/-          | 65/-    |
| 17     | Flat File Smooth 10"         | 02    | 94/-          | 188/-   |
| 18     | Flat File Smooth 12"         | 02    | 121/-         | 121/-   |
| 19     | Flat File Smooth 6"          | 02    | 85/-          | 85/-    |
| 20     | Gimlet ½ " & ¾ "2each        | 04    | 75/-          | 300/-   |
| 21     | C -Clamp                     | 01    | 80/-          | 80/-    |
| 22     | Hammer 800 gms.              | 01    | 27/-          | 27/-    |
| 23     | Knife Edge File Smooth 12"   | 01    | 197/-         | 197/-   |
| 24     | Knife Edge File (B) 10"      | 01    | 182/-         | 182/-   |
| 25     | Knife Edge File (B) 12"      | 01    | 182/-         | 182/-   |
| 26     | Miter Square                 | 05    | 720/-         | 720/-   |
| 27     | Marking Gauge                | 08    | 160/-         | 160/-   |
| 28     | Mortise Chisel ¾ "           | 02    | 150/-         | 150/-   |
| 29     | Mortise Chisel 3/8 "         | 08    | 140/-         | 140/-   |
| 30     | Mallet Hammer                | 05    | 300/-         | 300/-   |
| 31     | Pincer                       | 01    | 14/-          | 14/-    |
| 32     | Round File Smooth 8"         | 01    | 75/-          | 75/-    |
| 33     | Round File Smooth 12"        | 01    | 121/-         | 121/-   |
| 34     | Round File (B) 12"           | 01    | 121/-         | 121/-   |
| 35     | Respcut File 12"             | 08    | 1080/-        | 1080/-  |
| 36     | Ratchet ½ "                  | 03    | 840/-         | 840/-   |
| 37     | Ringer Spanner (6-20)mm      | 1set  | 422/-         | 422/-   |
| 38     | Square File (B) 10"          | 01    | 115/-         | 115/-   |



|    |  |    |         |         |
|----|--|----|---------|---------|
| 39 | Square File (S) 10"                          | 01 | 115/-   | 115/-   |
| 40 | Square File (B) 12"                          | 01 | 127/-   | 127/-   |
| 41 | Screw Driver (6-125)                         | 01 | 35/-    | 35/-    |
| 42 | Screw Driver (6-100)                         | 01 | 38/-    | 38/-    |
| 43 | Screw Driver 4"                              | 01 | 127/-   | 127/-   |
| 44 | Steel Rule 12"                               | 04 | 160/-   | 640/-   |
| 45 | Sprit Level 12"                              | 01 | 100/-   | 100/-   |
| 46 | Spoke Shape Planer                           | 05 | 440/-   | 440/-   |
| 47 | Saw Teeth Setter                             | 03 | 110/-   | 330/-   |
| 48 | Tenon Saw                                    | 10 | 780/-   | 780/-   |
| 49 | Bench Vice 4"                                | 01 | 699/-   | 699/-   |
| 50 | Try Square                                   | 06 | 90/-    | 90/-    |
| 51 | Iron Jack Plane 12" & 14"                    | 09 | 2700/-  | 2700/-  |
| 52 | Smooth plane                                 | 03 | 600/-   | 600/-   |
| 53 | Rip Saw                                      | 12 | 528/-   | 528/-   |
| 54 | Glass Cutter                                 | 01 | 110/-   | 110/-   |
| 55 | Firmer Chisel 1"                             | 01 | 20/-    | 20/-    |
| 56 | Key Hole Saw                                 | 01 | 15/-    | 15/-    |
| 57 | Band Saw 24" Size with H.P. 3 phase motor.   | 01 | 22944/- | 22944/- |
| 58 | Circular Saw 12" with 3 H.P. Phase motor.    | 01 | 12874/- | 12874/- |
| 59 | Portable Drill Machine Light duty.           | 01 | 4390/-  | 4390/-  |
| 60 | Universal Wood Cutting M/C with phase motor. | 01 | 52054/- | 52054/- |
| 61 | Wooden Lathe M/C with 1 H.P.3 phase motor.   | 02 | 32888/- | 32888/- |
| 62 | Carpentry Bench 8"                           | 04 | 3000/-  | 12000/- |

### Electrical Shop

| Sr. No. | Name of Equipment/ Machinery  | Qty. | Approx. Rate | Amount |
|---------|-------------------------------|------|--------------|--------|
| 01      | Electric drill machine 12 mm. | 01   | 4000/-       | 4000/- |
| 02      | Bench Vice 4"                 | 04   | 1000/-       | 4000/- |
| 03      | Multi-Meter                   | 01   | 5000/-       | 5000/- |
| 04      | Combination Plier 8"          | 01   | 100/-        | 100/-  |
| 05      | Side cutter pleir 6"          | 01   | 90/-         | 90/-   |
| 06      | Nose Pleir 4"                 | 01   | 90/-         | 90/-   |
| 07      | Soldering Iron 25 Amp.        | 04   | 200/-        | 800/-  |
| 08      | Wire Gauge Std.               | 01   | 100/-        | 100/-  |
| 09      | Poker 12"                     | 04   | 50/-         | 200/-  |
| 10      | Screw Driver 8"               | 02   | 50/-         | 100/-  |
| 11      | Screw Driver 4"               | 02   | 20/-         | 40/-   |
| 12      | Respcut File 6"               | 02   | 100/-        | 400/-  |
| 13      | Smooth File 6"                | 02   | 100/-        | 200/-  |
| 14      | Steel rule 12"                | 05   | 50/-         | 250/-  |
| 15      | Hammer 200 gms.               | 01   | 150/-        | 150/-  |
| 16      | Test Pen 0-500 volt           | 01   | 40/-         | 40/-   |

### HEAT TREATMENT SHOP

| Sr. No | Name of Equipment/ Machinery                          | Qty . | Approx. cost. | Amount. |
|--------|---|-------|---------------|---------|
| 01     | Abrasive disc cut - off M/C                           | 01    | 17000/-       | 17000/- |
| 02     | Binocular Metallurgical Microscope MAGNIFI-25X60X1500 | 04    | 19990/-       | 79960/- |
| 03     | Bench Vice 4"   | 01    | 699/-         | 699/-   |
| 04     | Carbonizing furnace 6"x6"x12"                         | 01    | 55000/-       | 55000/- |
| 05     | D.E. Spanner 6-22                                     | 1 set | 100/-         | 100/-   |
| 06     | Forceps   | 01    | 50/-          | 50/-    |
| 07     | Flat file 6"  | 01    | 25/-          | 25/-    |
| 08     | Ball Peen Hammer 250gms.                              | 01    | 30/-          | 30/-    |
| 09     | Forming End quench testing M/C                        | 01    | 16000/-       | 16000/- |
| 10     | Allen Key (1.5 to 10mm)                               | 1 set | 70/-          | 70/-    |
| 11     | Muffle Furnace 6"x6"x12"                              | 01    | 55000/-       | 55000/- |
| 12     | Metallurgical Mounting press Ø25mm x10 Ton            | 01    | 16000/-       | 16000/- |

|    | Capacity   |    |         |         |
|----|--|----|---------|---------|
| 13 | Metallurgical Linisher M/C<br>(Belt Surface Emery belt 3"x4")        | 01 | 7000/-  | 7000/-  |
| 14 | Metallurgical polishing M/C<br>(Double Disc Ø 20 Cm.) Rough / Smooth | 01 | 18500/- | 18500/- |
| 15 | S.S. Tong - 10"  | 01 | 40/-    | 40/-    |
| 16 | S.S. pot 3ltr.   | 01 | 75/-    | 75/-    |
| 17 | S.S. Pot 5ltr.   | 01 | 175/-   | 175/-   |
| 18 | Screw Driver (6x150) mm  | 01 | 30/-    | 30/-    |
| 19 | Steel rule 12"   | 01 | 25/-    | 25/-    |
| 20 | Plastic tray - 22"x12"   | 01 | 50/-    | 50/-    |

## FOUNDRY SHOP

| Sr. No. | Name of Equipment/ Machinery                     | Qty.   | Approximately Rate | Amount   |
|---------|--|--------|--------------------|----------|
| 01.     | Ball peen Hammer 400gms.                         | 01     | 100=00             | 100=00   |
| 02.     | Bench Vice 4"                                    | 01     | 650=00             | 650=00   |
| 03.     | Cross peen Hammer 200gm.                         | 02     | 75=00              | 150=00   |
| 04.     | Slick  | 02     | 25=00              | 50=00    |
| 05.     | Ladle 25 No                                      | 01     | 2350=00            | 2350=00  |
| 06.     | Ladle 50 No                                      | 01     | 3000=00            | 3000=00  |
| 07.     | Moulding Box                                     | 12 set | 600=00             | 7200=00  |
| 08.     | Mould tool kit                                   | 01     | 1100=00            | 1100=00  |
| 09.     | Pit furnace 14" x 14"                            | 01     | 3400=00            | 3400=00  |
| 10.     | Shovel   | 02     | 175=00             | 350=00   |
| 11.     | Smoother 12"                                     | 01     | 30=00              | 30=00    |
| 12.     | Smoother 6"                                      | 01     | 15=00              | 15=00    |
| 13.     | Rammer   | 05     | 100=00             | 500=00   |
| 14.     | Screw Driver 5x175                               | 01     | 25=00              | 25=00    |
| 15.     | Screw Driver 6x175                               | 01     | 35=00              | 35=00    |
| 16.     | Steel Rule 6"                                    | 01     | 25=00              | 25=00    |
| 17.     | Permeability meter 260x335x550 m.                | 01     | 20000=00           | 20000=00 |
| 18.     | Oil fire tilling furnace 50kg                    | 01     | 55000=00           | 55000=00 |
| 19.     | Oven for core drying 1.2to 0.6x0.8 mm.Temp.250°c | 01     | 75000=00           | 75000=00 |
| 20.     | Mould hardness tester 0-100 No                   | 01     | 6000=00            | 6000=00  |
| 21.     | Plate from waiting machines 300 kg               | 01     | 75=00              | 7500=00  |
| 22.     | Sand Muller 50 kg                                | 01     | 33000=00           | 33000=00 |
| 23.     | Weighing Machine                                 | 01     | 7500=00            | 7500=00  |

## Smithy Shop

| S. No. | Name of Equipment/ Machinery | Qty.  | Approx. Rate | Amount   |
|--------|------------------------------|-------|--------------|----------|
| 01.    | Anvil Block 100 Kg.          | 04    | 7348=00      | 29,392   |
| 02.    | Bench Vice 6 inch.           | 01    | 1248=00      | 1248=00  |
| 03.    | Bench Vice 4 inch.           | 03    | 699=00       | 2097=00  |
| 04.    | Blower Aluminum              | 01    | 197=00       | 197=00   |
| 05.    | Blower 12 Inches.            | 01    | 225=00       | 225=00   |
| 06.    | Ball peen Hammer 500gm.      | 09    | 114=00       | 1026=00  |
| 07.    | Open hearth furnace          | 03    | 22,360=00    | 67080=00 |
| 08.    | Close flat Tong 20 Inch.     | 15    | 2219=00      | 3285=00  |
| 09.    | Chisel Tong 20 inches.       | 05    | 225=00       | 1225=00  |
| 10.    | Cross peen Hammer 800 gm.    | 10    | 179=00       | 1790=00  |
| 11.    | Cold Chisel 6 Inch           | 15    | 84=00        | 1260=00  |
| 12.    | Cap Chisel                   | 05    | 287=00       | 1435=00  |
| 13.    | Combination Pliers 6 inch.   | 01    | 80=00        | 80=00    |
| 14.    | Double Ended Spanner 6-22    | 1 set | 194=00       | 194=00   |
| 15.    | Drift                        | 05    | 114=00       | 570=00   |
| 16.    | Fuller Round Face 5-20 mm.   | 1 set | 294=00       | 294=00   |

|     |   |       |         |          |
|-----|---|-------|---------|----------|
| 17. | Fuller necking Face 5-20 mm.            | 1 set | 2384=00 | 2384=00  |
| 18. | Fuller State Face 5-20 mm.              | 1 set | 1944=00 | 1944=00  |
| 19. | Figure Set. 0-9                         | 01    | 150=00  | 150=00   |
| 20. | Gage Chisel                             | 05    | 198=00  | 990=00   |
| 21. | Hot Chisel                              | 15    | 108=00  | 1620=00  |
| 22. | Flat file Smooth 12 inches.             | 01    | 121=00  | 121=00   |
| 23. | Flatter square face 10-50 mm.           | 1 set | 994=00  | 994=00   |
| 24. | Hand sand sleeve                        | 01    | 1450=00 | 1450=00  |
| 25. | Hard die set 3"                         | 02    | 184=00  | 368=00   |
| 26. | Hacksaw frame 12"                       | 01    | 26=00   | 26=00    |
| 27. | Leg vice                                | 02    | 2940=00 | 5880=00  |
| 28. | Letter punch A to Z                     | 1 set | 250=00  | 250=00   |
| 29. | Pincer Tong 20 inches.                  | 05    | 245=00  | 1225=00  |
| 30. | Punch smithy                            | 05    | 94=00   | 470=00   |
| 31. | Round Tong 20 inches                    | 15    | 219=00  | 3285=00  |
| 32. | Square Tong 20 inches.                  | 15    | 219=00  | 3285=00  |
| 33. | Swage block 450x450                     | 02    | 8395=00 | 16790=00 |
| 34. | Straight peen hammer 500gm.             | 01    | 144=00  | 1440=00  |
| 35. | Sledge hammer 5 kg.                     | 01    | 498=00  | 498=00   |
| 36. | Shovel Std.                             | 03    | 149=00  | 447=00   |
| 37. | Swage top bottom 5-20 mm.               | 1 set | 2244=00 | 2244=00  |
| 38. | Set Hammer 5-20 mm.                     | 02    | 294=00  | 588=00   |
| 39. | Steel rule 12 inch.                     | 01    | 40=00   | 40=00    |
| 40. | Steel rule 6 inch.                      | 01    | 22=00   | 22=00    |
| 41. | Screw driver 5x75                       | 01    | 21=00   | 21=00    |
| 42. | Screw driver 6x125                      | 01    | 30=75   | 30=75    |
| 43. | Power spring hammer cap. 50 kg. (3 HP.) | 01    | 7000=00 | 7000=00  |
| 44. | Pick up Tong 20"                        | 05    | 245=00  | 1225=00  |
| 45. | Side bit Tong 20"                       | 05    | 245=00  | 1225=00  |

## ANNEXURE – VI

| Details of Laboratories & Workshops |                      |   |  |   |  |
|-------------------------------------|----------------------|---|--|---|--|
| S.No                                | Name of the Course   | Name of the laboratory/workshop                           | Total Area of lab/workshop (m <sup>2</sup> ) | Major equipment   |  |
| 1.                                  | Chemical Engineering | Chemical Process Technology<br>Environmental Engineering  | 138  | Gas Chromatography, Flash point, fire point apparatus, Muffle furnace<br>Water Analysis Kit, Venturi Scrubber, Volume Sampler,  |  |
|                                     |                      | Heat Transfer Lab.<br>Mass Transfer Lab.                  | 136  | Apparatus for Measuring Thermal conductivity, Heat Transfer coefficient, Pin Fin Apparatus, Double Pipe Heat exchanger, Single Effect Evaporator,<br><br>Distillation column, liquid-liquid extraction, diffusion apparatus, wetted wall column |  |
|                                     |                      | Chemical Process Control<br>Chemical Reaction Engineering | 136  | Flow & Liquid level controller, PID Control System,<br>Batch Reactor , PFR, CSTR,   |  |
|                                     |                      | Software Engineering                                      | 54   | 20-Pentium-IV Computer, S/W for Auto CAD, MATLAB.   |  |
|                                     |                      | Mechanical Operation                                      | 171  | Cyclone Separators, Jaw crusher, Roll crusher, Filter Press,  |  |
| 2.                                  | Bio-Technology       | Micro-Biology Lab   | 171  | Autoclave, BOD Incubator, Colony Counter, compound microscope, Laminar Flow chamber, Haemocytometer, Ocular Micrometer, Spectrophotometer, Vertical Gel apparatus, Vortex Shaker  |  |
|                                     |                      | Bio-Chemistry Lab   | 171  | Centrifuge Machine, Incubator, High Speed Cold Centrifuge, Magnetic stirrer, Micropipettes, Spin Bin Microcentrifuge, Table Centrifuge  |  |
|                                     |                      | Genetics & Immunology Lab                                 | 171  | Lyophilizer, Rotary Micro-tome, UV Cabinet, UV Transilluminator   |  |
|                                     |                      | Bio-Informatics Lab                                       | 54   | Bio-Informatics Software  |  |

|  |    |                                 |  |                      |   |
|--|----|---------------------------------|--|----------------------|---|
|  | 3. | Computer Science & Engineering  | Operating System lab<br>C++ Lab<br>Data Structure Lab<br>Computer Network Lab  | 75<br>75<br>75<br>75 | P-IV Computer Systems<br>20<br>25<br>25<br>20   |
|  | 4. | Information Technology          | Computer Graphics Lab<br>Windows Programming Lab<br>DBMS lab<br>E-Commerce Lab | 75<br>75<br>75<br>75 | P-IV Computer Systems<br>20<br>20<br>20<br>20   |
|  | 5. | Electronics & Comm. Engineering | Basic Electrical Engineering<br>Instrumentation & Control<br>Measurement Lab.  | 142                  | L-C-R Kit, Measurement kits, CRO, function generator, Transistor&Logic gate Kits<br>Induction motor, D.C motor, machine Tutor, RectifierSet,LVDT Kit  |
|  |    |                                 | Micro-processor Lab.<br>Micro-Controller Lab.<br>PCB Lab.                      | 110                  | 8085 and 8086 based Microprocessor Trainer kits, Different interfacing cards, Digital storage oscilloscope, 8051-Microcontroller trainer kits, Target Board, compiler, Assembler, A to D and D to A converters<br>Multimeter, function generator, bread Boards, Universal Programmer & Testers, Tektronics Digital CROs, P-IV Computers |
|  |    |                                 | Digital Electronics Lab.<br>LIC Lab.<br>Analog Electronics Lab.                | 110                  | CRO's (30 MHz, 40MHz, 60MHz), Function Generator, Logic Training Boards, Flip-Flops trainer Kits, Op. Amp. kits, PLL kits VCO using 565, 566 Amplifier and filter kits, Various Experimental kits   |
|  |    |                                 | Digital Comm. Lab.   | 104                  | CRO's (30 MHz, 60 MHz) Digital storage oscilloscope, Function generator, Modulation & Demodulation kits, FM transmitter Receiver kit, FSK A.S.K., TDMA, CDMA, Waveform synthesizer, PCM, Data conditioning and re conditioning Modulation kits, Fiber optic Trainee kits, Tektronics Digital CROs, EPBAX, Spectrum Analyzer             |

|    |                           |   |  |     |   |
|----|---------------------------|---|--|-----|---|
|    |                           |   | Microwave Lab.<br>T.V. Lab.            | 55  | Complete Test Benches,<br>Microwave, Black & White TV<br>Trainer, Remote control colored<br>T.V trainer, Black & white &<br>colour T.V trainer, Separate<br>sections, Spectrum Analyzer,<br>CRO, Multifunction (100 MHz)  |
|    |                           |   | Computer Lab.<br>DSP Lab.<br>VLSI Lab. | 112 | 33 P-IV Computers (HP),One<br>server 20C2D Computer,Two LCD<br>Projectos<br>MAT LAB – 7.0, Xilinx & its<br>alliance softwares, CPLD &FPGA<br>kits, Opts 4.5 software  |
| 6. | Mechanical<br>Engineering | Fluid Mechanics &<br>Fluid Machinery                  |  | 171 | Apparatus for verification of<br>Bernoulli's theorem, Laminar and<br>Turbulent flow apparatus,<br>Hydraulic Bench, Multistage<br>centrifugal pump Test Rig, Pelton<br>Wheel Turbine, Francis Turbine<br>Test Rig, Kaplan Turbine Test Rig,<br>Reciprocating Pump Test Rig,<br>Hydraulic Ram, etc.               |
|    |                           | Theory of Machine<br>Lab.<br><br>Strength of Material |  | 171 | Apparatus motorized gyroscope,<br>Apparatus coriolis component of<br>acceleration, Apparatus of<br>universal governor, Apparatus of<br>cam analysis machine, Apparatus<br>journal bearing,etc.<br>Universal testing Machine,<br>Impact test Machine, Hardness<br>Test machine, Torsion testing<br>Machine, etc. |
|    |                           | CAD/CAM Lab   |  | 142 | Flexible Manufacturing System<br>comprising of Milling and Lathe<br>Machines, Robots and Automatic<br>Storage and retrieval,3-axis CNC<br>Bench Milling Machine,6-Axis<br>RobotArm,Palletizedconveyor,<br>,Tooling XL-Tum Software, Plotter<br>designjet<br>450c,Hydraulic&Pneumatic<br>Simulator               |
|    |                           | Machining Science<br>lab                              |  | 171 | EDM, Special Purpose erosion<br>machine, Lathe Tool<br>Dynamometer, Drilling Tool<br>Dynamometer, Milling Tool<br>Dynamometer, etc.   |

|    |                  |              |  |     |   |
|----|------------------|--------------|--|-----|---|
|    |                  |              | Metrology Lab.   | 171 | Profile Projector, Tool room microscope,,Special purpose sparkerosion machine modelSEM536,DesktopMetal analyzer(Spectrometer)   |
|    |                  |              | Thermal Engineering Lab.<br>Refrigeration &Air-conditioning Lab.<br>Heat Transfer Lab. | 171 | Air compressor test rig double stage,<br>Stake monitoring kit,<br>Gas liquid chromatograph,<br>Multi cylinder diesel (old) cut section made working model,<br>Four cylinder four stroke petrol engine test rig,<br>Single cylinder four stroke test rig etc.Non IBR instant steam producing<br>Boiler fully automatic with accessories, Steam turbine test rig 3 K.W capacity<br>Refrigeration test rig, Water cooler test rig, Air conditioning test rig etc.<br>Parallel and Counter flow heat exchanger, Apparatus for free and forced convection etc. |
| 7. | Central Workshop | Machine Shop |  | 290 | Lathe HMT – 05<br>Lathe Padmini – 05<br>Capstan Lathe – 01<br>Planner – 01<br>Slotter – 01<br>Uni. Tool & Cutter grinder - 01<br>Radial Drilling M/C HMT - 01 No.<br>Uni. Milling M/C -01<br>Pillar type Drilling M/C- 01<br>C.N.C. Lathe & Milling -1+1 No.<br>Power saw M/C – 01 No.<br>Pedestal grinder – 01 No.   |
|    |                  | Welding Shop |  | 105 | A.C. Arc welding set -02 No.<br>Portable Arc welding M/C-02 No.<br>MIG welding M/C- 01 No.<br>T.I.G. welding M/C – 01 No.<br>Spot welding M/C – 01 No.<br>Oxy- Acetylene gas welding - 02 no.,<br>Bench Vice- 08 No.  |

|  |    |                  |                     |     |   |
|--|----|------------------|---------------------|-----|---|
|  |    |                  | Heat Treatment Shop | 156 | Muffle furnace<br>Carburizing Furnace Metallurgical<br>linisher M/C<br>Metallurgical Microscope<br>Metallurgical mounting press<br>Abrasive disc cut off M/C<br>Polishing M/C<br>Jominy end quench test M/C |
|  |    |                  | Smithy Shop         | 115 | Open Hearth Furnace,<br>Power Hammer 50 kg.<br>Anvil, Swage Block   |
|  |    |                  | Foundry Shop        | 169 | Sand Muller<br>Oil Fired Tilting furnace<br>Pit furnace<br>Drying oven<br>Permeability Meter<br>Moulding Box  |
|  |    |                  | Carpentry Shop      | 105 | Wooden Lathe<br>Universal cutting M/C<br>Circular Saw<br>Bandsaw M/C  |
|  |    |                  | Fitting Shop        | 106 | Drilling M/C,<br>Portable drilling M/C<br>Vernier Height Gauge<br>Combination set<br>Micrometer<br>Vernier caliper<br>Bench Vice<br>Bench grinder<br>Surface plate  |
|  |    |                  | Sheet metal Shop    | 105 | Edge folding M/C<br>Pipe bending M/C<br>Rolling & Bending M/C<br>Fly Press<br>Arbour press<br>Circular cutting M/C<br>Hand liner shirring M/C   |
|  |    |                  | Electric Shop       | 54  | Hand drilling M/C, Pedestal<br>drilling M/C,<br>Multimeter, Voltmeter   |
|  | 8. | Applied Sciences | Physics Lab.        | 169 | Advanced Laser Kit, Ultrasonic<br>Interferometer, Four Probe Set-<br>up, Energy Band Gap Kits,<br>Optoelectronic Kits   |
|  |    |                  | Chemistry Lab.      | 166 | Atomic Absorption<br>Spectrophotometer, UV, Visible<br>Spectrophotometer, Bomb<br>Calorimeter, Distillation<br>Apparatus.   |



## Annexure –VII

### Administrative Staff

| S.No. | Name<br>(S/Shri)  | Father's Name<br>Shri. | Designation                  | Mode of<br>appointment | Qualification                             | Date of Joining | Experience<br>(in years) |
|-------|-------------------|------------------------|------------------------------|------------------------|---|-----------------|--------------------------|
| 1.    | Inder Pal Singh   | Swaran Singh           | Registrar                    | Regular                | MBA M.A.,LLB,<br>Dip in PMIR              | 2.4.1996        | 22                       |
| 2.    | Rajmaninder Singh | Balvir Singh           | Superintendent<br>Grade – II | Regular                | M.A.,LLB. Dip<br>in Material<br>&Bus.Mgt. | 9.8.1996        | 25                       |
| 3.    | Gurjeet Kaur      | Narota Singh           | Personal Assistant<br>to     | Regular                | B.A                                       | 26.4.2002       | 15                       |
| 4.    | Dial Chand        | Acchar Mal             | Supdt. Grade-II              | Regular                | B.A.                                      | 25.6.1996       | 26                       |
| 5.    | B.K. Dogra        | Vishav Nath            | Supdt. Grade-II              | Regular                | M.A.                                      | 18.6.1996       | 22                       |
| 6.    | Rajiv Mahajan     | M.R.mahajan            | Senior Assistant             | Regular                | M.Com.                                    | 21.8.1997       | 08                       |
| 7.    | Madan Lal         | Beni Prashad           | Senior Assistant             | Regular                | M.Com                                     | 04.8.1997       | 08                       |
| 8.    | Daljit Singh      | A.S.Hundal             | Senior Assistant             | Regular                | B.A(Army)                                 | 26.3.2002       | 38                       |
| 9.    | Kulwinder Kumar   | Charan Dass            | Senior Assistant             | Regular                | M.A.PG dip. In<br>PMIR, B.Ed.             | 03.4.2002       | 15                       |
| 10.   | Inder Preet Singh | Ranbir Singh           | Senior Assistant             | Regular                | B.Com                                     | 18.3.2005       | 01                       |
| 11.   | Ravinder Singh    | Ajit Singh             | Senior Assistant             | Regular                | B.Com                                     | 07.10.1997      | 11                       |
| 12.   | Madan Chand       | Bakhshi Ram            | Junior Assistant             | Regular                | 10+2                                      | 24.12.1996      | 09                       |
| 13.   | Gurmit Singh      | Balkar Singh           | Junior Assistant             | Regular                | B.A                                       | 16.1.1998       | 10                       |
| 14.   | Ranjit Singh      | Balwinder Singh        | Junior Assistant             | Regular                | M.A                                       | 16.1.1998       | 08                       |
| 15.   | Hari Prashad,     | Chuni Lal              | Junior Assistant             | Regular                | B.A.I                                     | 16.1.1998       | 18                       |
| 16.   | Gurmukh Singh     | Beant Singh            | Junior Assistant             | Regular                | 10+2                                      | 16.1.1998       | 08                       |
| 17.   | Rajwinder Kaur    | Lakhbir Singh          | Junior Assistant             | Regular                | 10+2                                      | 15.1.1998       | 09                       |

|     |                   |                |                   |               |                      |            |         |
|-----|-------------------|----------------|-------------------|---------------|----------------------|------------|---------|
| 18. | Jatinder Kaur,    | Surinder Singh | Steno Typist      | Regular       | 10+2                 | 09.10.2002 | 02      |
| 19. | Ramesh Kumar      | Ram Dass       | Driver            | Regular       | B.A.(Army)           | 1.11.2002  | 03      |
| 20. | Gurnam Singh      | Gurdhoor Singh | Driver            | Regular       | Matric               | 1.11.2002  | 03      |
| 21. | Anil Kumar        | Prem Nath      | Peon              | Regular       | M.A                  | 7.1.1997   | 09      |
| 22. | Dhian Chand       | Sat Pal        | Clerk             | Regular       | Matric               | 1.1.1997   | 09      |
| 23. | Ashok Kumar       | Piara          | Peon              | Regular       | Matric               | 1.11.2002  | 09      |
| 24. | Kulwinder Singh   | Ajit Singh     | Peon              | Regular       | Matric               | 1.1.1997   | 09      |
| 25. | Shamsher Singh    | Joginder Singh | Peon              | Regular       | Matric               | 1.11.2002  | 03      |
| 26. | Ashok Kumar       | Prem Nath      | Peon              | Regular       | 10+2                 | 1.11.2002  | 03      |
| 27. | Maan Singh Negi   | Rattan Singh   | Peon              | Regular       | 8 <sup>th</sup> Pass | 1.11.2002  | 03      |
| 28. | Kuldeep Kumar     | Bhagat Ram     | Peon              | Regular       | Matric.              | 1.11.2002  | 03      |
| 29. | Amrik Singh       | Joginder Singh | Medical Attendant | Regular       | 10+2                 | 1.11.2002  | 03      |
| 30. | Dr. Navneet Singh | --             | Medical Officer   | Consolidated  | MBBS                 | 2009       |         |
| 31. | Mrs. Surjit Kaur  | Gulwant Singh  | Staff Nurse       | On deputation | Diploma in Nursing   | 13.09.2005 | 11      |
| 32. | Rakesh Kumar      | Jagdish Kumar  | DMO               | Regular       | B.A                  | 01.11.2002 | 4 Years |

Staff Working on Contract Basis and regularized w.e.f. Oct., 2011

| S.No. | Name (S/Shri)       | Designation    | Basic Pay | Gross Salary |
|-------|---------------------|----------------|-----------|--------------|
| 1     | Sh.Rajnish Sharma   | Clerk          | 3220      | 6847         |
| 2     | Sh.Warish Masih     | Clerk          | 3220      | 6847         |
| 3     | Sh.Raj Kumar        | Clerk          | 3220      | 6847         |
| 4     | Sh.Palwinder Singh  | Steno Typist   | 3330      | 7081         |
| 5     | Sh Harwinder Singh  | Driver         | 3330      | 7081         |
| 6     | Sh Gagnish Pansotra | Skilled Asstt. | 3120      | 6634         |

|    |                   |               |              |      |
|----|-------------------|---------------|--------------|------|
| 7  | Gurnam Singh      | Pharmacist    | 4700         | 9994 |
| 8  | Ram Asra          | Draftsman     | 3120         | 6634 |
| 9  | Rakesh Kumar      | Lab Attendant | 2720         | 5783 |
| 10 | Hardev Singh      | Lab Attendant | 2720         | 5783 |
| 11 | Ram Chand         | Lab Attendant | 2720         | 5783 |
| 12 | Amandeep Singh    | Lab Attendant | 2720         | 5783 |
| 13 | Sikander Mahan    | Peon          | 2620         | 5571 |
| 14 | Balwinder singh   | Peon          | 2620         | 5571 |
| 15 | Kamaljit Kaur     | Clerk         | 4800         | 4800 |
| 16 | Rajinder Pal Kaur | Clerk         | 4800         | 4800 |
| 17 | Kamaljit Kaur     | Clerk         | 4800         | 4800 |
| 18 | Ram Piari         | Clerk         | 4800         | 4800 |
| 19 | Gurmeet Lal       | Clerk         | 4800         | 4800 |
| 20 | Ranjit Singh      | M/Attdt       | 3020         | 3020 |
| 21 | Biraham Pal       | Sweeper       | 2900         | 2900 |
| 22 | Baba Masih        | Sewerman      | 110/- perday | -    |