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**Proceedings of the 2nd meeting of the Academic Council held on 29th
January, 1998 in the Chamber of the Vice-Chancellor, Punjab
Technical University**

The following were present:-

1. S. Anup Singh, Vice-Chancellor In Chair
2. Dr. H. S. Sagar, Principal, Dr. B.R. Ambedkar Regional Engineering College, Jalandhar
3. Dr. R. P. Singh, Principal, Guru Nanak Dev Engineering College, Ludhiana
4. Dr. D. S. Hira, Principal, GZS College of Engg. & Technology, Bathinda
5. Dr. R. C. Bahl, Principal, SBS College of Engg. & Technology, Ferozepur
6. Dr. R. C. Chauhan, Director, Sant Longowal Institute of Engg. & Technology, Longowal (Sangrur)
7. Dr. J. K. Sharma, Principal, Beant College of Engg. & Technology, Gurdaspur
8. Dr. Ashwani Kumar, Principal, Adesh Institute of Engg. & Technology, Faridkot
9. Col. S. P. Sharma (Retd.) Principal, SUS College of Engg. & Technology, Tangori (Mohali)
10. Dr. S. C. Kapoor, Principal, Guru Teg Bahadur Institute of Engg. & Technology, Chhapianwali (Malout)
11. Dr. C. S. Nagpal, Director, Apeejay Institute of Management, Jalandhar – Special Invitee
12. Dr. R. B. Lall Bedi, OSD, PTU, Jalandhar – Special Invitee
13. Sh. K. K. Dhir, Registrar, PTU - Secretary

The Vice-Chancellor welcomed the members to the 2nd meeting of the Academic Council. The various agenda items were taken up for discussion and the following decisions were taken:-

21/ **Item No.1:** Confirmation of the proceedings of the 1st meeting of the Academic Council held on 26th November, 1997

The proceedings of the 1st meeting of the Academic Council were confirmed with following amendments:-

- a) - The Punjab Technical University will constitute a committee for formulation of regulations for Ph.D. Programme in Humanities & Management and Applied Sciences.

- b) The Academic Council accepted in principle the views of the Vice-Chancellor that regulations relating to BBA and BCA programmes should be in consonance with regulations relating to B.Tech programme. It was decided that Dr. C. S. Nagpal would prepare necessary changes.

2.2 / **Item No.2:** To discuss & finalize the schemes of examinations of various disciplines of B.Tech Degree from 3rd to 8th semester.

Various Teaching Schemes pertaining to different disciplines were discussed and following decisions were taken. Discipline-wise comments are given under the various sub-heads:-

Teaching Scheme of B.Tech.Civil Engineering

The Teaching scheme is by and large all-right. However, the following changes be incorporated to ensure uniformity with other schemes.

Labs: They should be designated as Lab-I and Lab-II etc. by bringing together those labs which have similarity.

Workshop: 4 weeks training is to be held after 2nd semester and has to be accounted for in the 2nd Year having 2 credits which have to be adjusted against 25 credits of 7th semester.

Survey Camp: Survey camp will be held in summer vacation after 4th semester. It will have 6 credits which will also be adjusted against 25 credit of 7th semester.

Open Elective: One open Elective should be provided in the 6th semester.

Minor Project: It should be allocated 2 credits.

General Fitness: To be deleted

Seminar: It should form a part of the subject. No separate slot should be provided.

Total Credit should be:

Ist Semester (Common courses curriculum)	= 25 credits
IInd Semester (Common courses curriculum)	= 25 credits
IIIrd to 8 th Semester (excluding 7 th semester)	= 130 credits

7th Semester = 25 credits, should include 3 credits of 4 weeks workshop Training after 2nd Semester and Survey camp after 4th Semester with 6 credits.

Nomenclature:

Nomenclature of various courses shall have to be based on the Common Philosophy and shall be finalized in a meeting of the Coordinators to be convened shortly.

7th Semester Training:

A base paper is attached(Annexure-I) which may be perused. The paper will be discussed in the next meeting of the Academic Council.

2.3 / **Item No.3: Faculty Appraisal System**

It was decided that Dr. R. C. Bahl, Principal, SBS College of Engg. & Technology, Ferozepur, Dr. D. S. Hira, Principal, SLIET, Longowal, Principal, Adesh Institute of Engg. & Technology, Faridkot and Dr. J.K. Sharma, Beant College of Engg. & Technology, Gurdaspur will send a proforma for Faculty Appraisal System keeping in view the proforma supplied by IIT, Delhi and also keeping in view the relevant activities of Punjab Technical University and thereafter the matter shall be discussed again in the Academic Council. It was also decided that other members of the Academic Council would also send their suggestions to the university, if any, before 10th February, 1998.

The I.S.T.E Hand Book shall also be consulted before finalizing the proforma for being placed before the Academic Council for consideration.

2.4 / **Item No.4: Quota for NRI seats in Engg. Courses in Guru Nanak Dev Engineering College, Ludhiana**

The Academic Council recommended the proposal for providing seats under the NRI / NRI sponsored category for B.Tech programme in all the Engineering Colleges in the State and it was resolved that the State Govt. may be approached accordingly.

2.5 / **Item No.5: Criteria for the staff selection of teaching posts**

The Academic Council, after detailed discussion, noted the criteria adopted by Punjab Technical University to fill up Assistant Professor level positions in PTU. However, the members were of the view that this criteria would differ depending upon the job requirements of each post.

2.6 / **Item No. 6 to 10:**

2-10 The remaining items could not be taken up for discussion for want of time and would be discussed in the next meeting of the Academic Council.

The meeting ended with a vote of thanks to the chair.

ANNEXURE-I**PRACTICE SCHOOL SYSTEM FOR INDUSTRIAL TRAINING : PLAN OF ACTION****I - OBJECTIVES :**

1. To make Engineering Education more fruitful and purposeful for the user Organisations.
2. To make students aware of the industrial culture.
3. To infuse confidence in Industry regarding the usefulness of the courses being offered at the Technical Institutions.
4. To afford opportunities of Industrial exposure to the faculty of Engineering Institutions.
5. To encourage the faculty of the technical institutions to take up the industrial problems.
6. To encourage the industrial Houses to use the state of art laboratory facilities of the Institutions leading to resource generation for the Institutions.

II - MAIN REQUIREMENT FOR THE INDUSTRY :

1. Only Industries of repute should be identified for deputing the students.
2. The Industry should have sufficient infrastructure for imparting the training.
3. The staff imparting the training should be well qualified and willing for the job.

III - CONSTRAINTS

1. In Punjab, the number of Industrial Houses which can absorb students for shop-floor training are limited. We cannot cater to all the B.Tech. Programmes.
2. Training outside the Campus for six months at a stretch put additional financial burden on the students.
3. The faculty will have to be involved for monitor in of the training programme. So there is requirement additional faculty in each discipline.
4. Industries can accommodate only a few trainees at a time.
5. Industries are scattered far and wide. So, monitoring will be time consuming and additional funds will have to be provided for meeting the TA/DA of the faculty.

IV - METHODOLOGY

1. The first & foremost requirement is to identify industries which will be ready to accept the students in large numbers. So, databases in this regard will be prepared.

2. MOUs may be signed with the willing industries for minimum period of 5 years which will be reviewed after 3 years for further extension of five years or so.
3. Industry will be requested to provide accommodation & stipends to the trainees, as far as possible.
4. Key personnel will be identified to whom the students will be reporting during training.
5. Projects will be identified.
6. Industry / Places of training will be decided keeping in the view the option preferred by the student.
7. The students will be monitored from zones where temporary offices may be opened up for the faculty posted there to made the monitoring possible.
8. A team of the concerned faculty will visit the zone office and evaluate the students and help them in solving their difficulties.
9. A report will be submitted by the students after the completion of training which will be duly evaluated.
10. A final University examination will be held.

V – EVALUATION PROCEDURE

During the period of training, which is 6 months, minimum two tests be conducted, preferably one a quiz type and another a comprehensive essay type. These tests will be conducted jointly by the industrial superiors and the concerned faculty from the Institution, at the place of training. Each test may be of 100 marks. When the training is half way through, i.e., 3 months after the start each student will submit a mid semester report and will deliver a seminar. These will be of 50 marks each. Each student will prepare a comprehensive training report of 100-150 pages. The report will be evaluated by the concerned faculty. It will carry 100 marks.. After the completion of training, a comprehensive Viva Voce examination at the University level, will be held of each trainee by a Committee consisting of internal and external examiners. The Viva Voce exam examination will carry 100 marks.

The details of the maximum marks for 6 months' Industrial training are as under :-

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| 1. | Test – I (Quiz) | - 100 Marks |
| 2. | Test – II (Essay Type) | - 100 Marks |
| 3. | Mid Semester Report | - 50 Marks |
| 4. | Seminar | - 50 Marks |
| 5. | Training Report | - 100 Marks |
| 6. | Viva Voce examination | - 200 Marks |

Maximum Marks	- 600 Marks
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