

GUJARAT TECHNOLOGICAL UNIVERSITY

DIPLOMA IN PLASTIC ENGINEERING

SEMESTER: V

GUIDELINES FOR SANDWITCH APPRENTICESHIP INDUSTRIAL TRAINING OF DIPLOMA IN PLASTIC ENGINEERING

- **Total no. of trainings during the curriculum :** 2 (one each in sem V and sem VIII)
- **Duration of the training:** 6 months. It should start within one week from the date of Completion of University Examination of the sem IV and sem VII.
- **Eligibility:** student should not have more than 4 backlog in all at the time of training. Student can be sent for training subject to eligibility.
- **Apprenticeship Board:** The training will be covered under the Apprenticeship Act 1973 and as per current rule; the trainee will be eligible for a stipend of Rs. 1510/- per month. Stipend will be revised periodically by board of apprentice. Out of which 50% will be paid by the employer and 50% will be reimbursed by Board of Apprentice Training (BOAT), western region, Mumbai.
- **Training Area :** Students can be trained in Plastic Processing, Machine manufacturing, raw material manufacturing, mould/die making, testing, recycling, designing industries. Students should be send to industry strictly based on merit.

Role of Department:

- Department have to send training request letter to various industries well in advance before commencement of training. (form attached)
- After getting sufficient number of seats from the industries, students will be placed in different industries for their 5th/8th semester training.
- Students will have to fill up training contract form (form attached) in three copies with photographs sealed and signed by the authorities.
- Department will issue an order letter to industry for the said training mentioning the name and registration number of students.
- During the training period, the head of the department will maintain a schedule for follow –up of industrial training and according to it he/she will send the faculty members to various industries.
- The faculty member will check the progress of the student in the training, his/ her attendance, discipline and project report preparation.
- The department has to prepare Progress Report for the industrial training.
- At the end of the training concerned faculty member will do assessment of the work done by student.

Role of Student:

- Students have to fill the contract forms duly sealed and signed by authorities along with training order letter and submit it to training officer in the industry on the first day of training.
- He/she will have to get all the necessary information from the training officer regarding schedule of the training, rules and regulations of the industry.
- During the training period students will keep record of all the useful information and maintain the weekly diary (provided by the institute).

- He/she will prepare a detailed project report about the whole process and will submit it to the department at the time of examination.
- The project report may contain
 - Title page
 - Certificate
 - Preface
 - Acknowledgement
 - Index
 - Introduction of industry
 - Products
 - Raw materials
 - Machinery
 - Manufacturing process
 - Faults and remedies
 - Maintenance
 - Safety features
 - References
 - Bibliography

Role of Industry:

- Industry has to give effective training to the students for improving their practical skills
- Industry has to provide training incharge for the group of the students under training.
- Training in charge has to evaluate each student every week and signed weekly diary with appropriate remarks.
- Industry may allot project to individual or group of students under training and students has to prepare report on the same project.
- Training in charge has to guide students for preparing their project report.
- Industry has to maintain attendance for the student under training and report any irregularity of the students to their parent college.

Work load:

- As per the Apprentice board Faculty member of the parent institute has to visit industry at least once in a month for evaluating student's activity and their progress.
- As number of industry providing training and number of students per industry is no fixed and varying every year. Considering role of teacher in training workload is allotted to teacher for industrial visit.
- Work load allotted to teachers is **30 Hrs / week**. Institute has to prepare time table for the staff in such a manner that one teacher remains free for one whole day for industrial visit.

Evaluation Pattern:

- Evaluation will be done by the internal examiner at institute level.