

# **6 Month Industrial Training Guidelines**

## **B.Tech (8<sup>th</sup>Sem)**

### **Final Project Report**

- If student is doing project individual, he/she should make 3 copies of the project report: (a) For College (b) For Library which must be **Card-board Bounded with Laminated Sheet** (c) For himself/herself which should be spiral binding.
- If the students are doing project in group, then Each group should submit 2 copies of the project report: (a) For College (b) For Library which must be **Card-board Bounded with Laminated Sheet** & every student of the group should carry individual copy which can be *Spiral binded*.
- CD containing soft copy of Project report as well the running Project should be pasted at the back cover of the project report.
- The Project Report should be about 75 pages (excluding coding) or more.
- The project report should be neatly typed on one side of *A4 size Paper* following the beneath mentioned instructions:
  - i. **Margins:** Top: 1.0", Bottom: 1.0", Right: 0.8", Left: 1.2"
  - i. **Page border:** Setting-Box, Style- Line, Width- 1.5pt.
  - ii. **Header & Footer:** header includes the name of your Project On the right corner of the page and footer includes page number in the middle and university Roll Number on the right corner.
  - iii. **Font Size:** Headings = 16 (Underlined, bold) , Sub Heading = 14 ( Bold ), Text = 12, Code = 8.
  - iv. **Font Style:** Times New Roman
  - v. **Line spacing:** 1.5
  - vi. **Alignment:** Heading = Centre, Sub Headings = Left, Text = Justified.
  - vii. In the body of the text, a reference should be indicated giving author name and year of publication in parenthesis such as (Singh and Shan, 2002).
  - viii. The reference should be given at the end of the Project report in alphabetical order indicating:

**For Example:**

- [1]. Singh, S. and Shan, H. S. (2002) "*Development of Magneto Abrasive Flow Machining Process*", International Journal of Machine Tools & Manufacturing, vol.42, 2, 2002, pp. 953-959.
- [2]. Laroia, S.C. and Adithan, M. (1994), "*Precision Machining of Advanced Ceramics*" Proceeding of the International Conference on Advanced Manufacturing Technology (ICMAT -94), 29-30 August 1994. University Teknologi Malaysia, Johor Bahru, Malaysia, pp 203-210.
- [3]. Adithan, M. and Gupta, A.B. (1996), "*Manufacturing Technology*", New Age International Publishers, New Delhi.

**(outer cover page)**

**TITLE OF PROJECT REPORT**

<Font Size 18><1.5 line spacing>

**A SIX MONTHS INDUSTRIAL TRAINING REPORT**

<Font Size 14>

***Submitted by***

<Font Size 14><Italic>

**NAME OF THE CANDIDATE(S)**

<Font Size 16>

***in partial fulfillment for the award of the degree***

***of***

<Font Size 14><1.5 line spacing><Italic>

**NAME OF THE DEGREE**

<Font Size 16>

**IN**

**BRANCH OF STUDY**

<Font Size 14>



**Department of CSE**

**Tawi Engineering College, ShahpurKandi , Pathankot**

<Font Size 16><1.5 line spacing>

**MONTH & YEAR**

<Font Size 14>

**CERTIFICATE OF TRAINING**

**(inner) cover page)**

**TITLE OF PROJECT REPORT**

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**Department of CSE**

**Tawi Engineering College, ShahpurKandi , Pathankot**

<Font Size 16><1.5 line spacing>

**MONTH & YEAR**

<Font Size 14>

### **CANDIDATE'S DECLARATION**

I hereby certify that the work which is being presented in the project report entitled “TITLE” by “NAME OF THE STUDENT” in partial fulfillment of requirements for the award of degree of B. Tech. (ECE) submitted in the Department of (Department) at **Tawi Engineering College, Shahpurkandi, Pathankot(Punjab)** under I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY, KAPURTHALA is an authentic record of my own work carried out during a period from \_\_\_\_\_ to \_\_\_\_\_ under the supervision of “NAME OF SUPERVISOR(S)”.

## **CERTIFICATE OF NOVELTY OF WORK**

This is to certify that ....., form Tawi Engineering college, Pathankot has undergone training in the .....Works for a period of 6 Months from ..... to ....., 2017, under my guidance. His performance has been satisfactory so as to fulfill all the requirements for successful completion of the training. This document is a bona fide testimony of the trainings undergone and works carried out by him/her in this course

.....  
(Academic Mentor)

**NAME OF STUDENT**

**Univ. Roll No.:** .....

**Branch:** .....

**Semester:** .....

## ACKNOWLEDGEMENT

I would like to place on record my deep sense of gratitude to *(Name of supervisor/s)*  
Dept. ....Tawi Engineering College, Shahpurkandi, Pathankot (Punjab)  
India for his generous guidance, help and useful suggestions.

I express my sincere gratitude to ..... for his stimulating guidance,  
continuous encouragement and supervision throughout the course of present work.

I am extremely thankful to ..... for providing me infrastructural  
facilities to work in, without which this work would not have been possible.

Name of student



## **Contents**

- Candidate' declaration
- Certificate of Originality of Work
- Certificate of training
- Acknowledgement
- About the training
- Abstract
- Table of Contents
- Objective and scope of the Project
- Introduction of the industry/Company

### **Chapter 1 : INTRODUCTION**

- 1.1 Non-Traditional Machining
- 1.2 AFM Process Principle
- 1.3 AFM Technology
- 1. 4 AFM Applications

### **Chapter 2 :**

- 2.1 AFM Process Parameters
  - 2.1.1 Media Flow Volume and Extrusion Pressure
  - 2.1.2 Media Flow Rate
  - 2.1.3 Media Viscosity
- 2.2 Modeling of AFM
  - 2.2.1 Stochastic Modeling
  - 2.2.2. Analytical Modeling

