

Introduction

Universiti Teknologi PETRONAS (UTP) was established with the objective to produce well-rounded graduates who are not only technically competent but also possess other traits such as lifetime learning capacity, critical thinking, communication and behavioural skills, business acumen, practical attitude and solution synthesis ability. For these reasons, UTP has made it compulsory for its undergraduate students to undergo practical training in the form of two internship courses consists of Student Industrial Training (SIT) 14 weeks and Student Industrial Project (SIP) 14 weeks prior to their completion of studies at UTP. It is anticipated that the experience gained from this programme will complement and enhance their knowledge and understanding learned at the university. UTP has always placed great emphasis in having a close cooperation with the industries. The Student Industrial Internship Programme (SIIP) is a prime example of the University – Industry collaboration. Currently, UTP offers five (5) engineering programmes namely Chemical, Civil, Electrical & Electronics, Mechanical and Petroleum, and three (3) technological programmes namely Petroleum Geoscience, Information & Communication Technology and Business Information System, Applied Physics and Applied Chemistry at Bachelor Degree level.

The SIIP are divided into two courses. Details are as follow:

Course Code : ICB3037

Course : Student Industrial Training (SIT)

No. of credit : 7

Pre-requisite : Refer to Student Industrial Internship Programme under Academic Requirements

Duration : 14 weeks

SIT provides opportunity to the students to experience the real working environment of the industry. Students will develop skills in work ethics, communication, management and working in a team. Furthermore, SIT will establish close relationship between the industry and UTP. For SIT a grade of PASS/FAIL is given and no contribution towards final CGPA.

Course Code : ICB3047

Course : Student Industrial Project (SIP)

No. of credit : 7

Pre-requisite : Pass ICB3037

Duration : 14 weeks

SIP provides opportunity to the students to integrate *complex engineering/technology theories with the real working environment. In addition, students solve industrial problems through industrial project. The students will demonstrate skills in work ethics, communication, management and working in a team.

*General definition on complex engineering project: Multiple solutions to a problem.

7.0 Objectives of Student Industrial Internship Programme

The objectives of the Student Industrial Internship Programme are to provide students with the following activities:

1. To provide students with the opportunity to gain practical experience in the industry.

2. To provide students with the opportunity to apply their theoretical knowledge to practical situations.

3. To provide students with the opportunity to develop their communication and teamwork skills.

4. To provide students with the opportunity to gain insight into the industry and its operations.

5. To provide students with the opportunity to gain experience in the use of industrial equipment and machinery.

6. To provide students with the opportunity to gain experience in the use of industrial processes and procedures.

7. To provide students with the opportunity to gain experience in the use of industrial safety procedures.

8. To provide students with the opportunity to gain experience in the use of industrial quality control procedures.

9. To provide students with the opportunity to gain experience in the use of industrial maintenance procedures.

10. To provide students with the opportunity to gain experience in the use of industrial repair procedures.

11. To provide students with the opportunity to gain experience in the use of industrial troubleshooting procedures.

12. To provide students with the opportunity to gain experience in the use of industrial problem-solving procedures.

13. To provide students with the opportunity to gain experience in the use of industrial decision-making procedures.

14. To provide students with the opportunity to gain experience in the use of industrial planning procedures.

15. To provide students with the opportunity to gain experience in the use of industrial control procedures.

16. To provide students with the opportunity to gain experience in the use of industrial monitoring procedures.

17. To provide students with the opportunity to gain experience in the use of industrial reporting procedures.

18. To provide students with the opportunity to gain experience in the use of industrial documentation procedures.

19. To provide students with the opportunity to gain experience in the use of industrial record-keeping procedures.

20. To provide students with the opportunity to gain experience in the use of industrial archiving procedures.

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