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| **PROGRAMME OVERVIEW (SYNOPSIS)** |

The **Diploma of Environmental Engineering** is designed to incorporate a wide discipline of environmental engineering including specialization of water and wastewater engineering, pollution control, environmental management and environmental law enforcement currently practiced which includes public health & safety. Graduates are forecast to serve in the field of environmental engineering and management. The issues of greenhouse effect, global warming, renewable energy, water resources management and public health today require skilled and trained environmental engineers necessary to face these new upcoming challenges ahead. An environmental engineering diploma graduate of the Polytechnic’s Ministry of Education Malaysia, students have undergone a core curriculum consisting of courses in mathematics, science, entrepreneurial skills, soft skills, health & safety, Islamic studies, moral education and fundamentals of environmental engineering. On the other hand, graduates of environmental engineering diploma programme would have undergone core courses in basic survey, engineering material such as brick laying, plumbing and carpentry skill, environmental engineering laboratory, Computer Aided Design (CAD), and geotechnic. The 6 semester of teaching & learning approach of the environmental engineering diploma is designed to equip an environmental engineering diploma graduate with the possibility of program towards a career in the field of environmental engineering or environmental management. This multidisciplinary field involves the application of the principles of environmental science, environmental management, environmental risk assessment and environmental health & safety.

**To:**

**Student’s supervisor**

**Herewith are list of the scope of work that our student expected from your organization. \*\*Please tick (√) if related.**

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| **Name** | | **:** |  | | | | |
| **Matrix No.** | | **:** |  | | | | |
| **NO** | **SCOPE OF WORK** | | | **\*\***  **(√)** | **NO** | **SCOPE OF WORK** | **\*\***  **(√)** |
| 1 | Introduction to Environmental Engineering | | |  | 9 | Municipal Solid Waste Management |  |
| 2 | Engineering Drawing and Computer Aided Drafting | | |  | 10 | Air and Noise Pollution Engineering |  |
| 3 | Hazardous and Toxic Waste Management | | |  | 11 | Environmental Law |  |
| 4 | Water Supply Engineering | | |  | 12 | Occupational Safety and Health |  |
| 5 | Environmental Engineering Lab | | |  | 13 | Other related works: |  |
| 6 | Waste Water Engineering | | |  |
| 7 | Environmental Management | | |  |
| 8 | Energy System | | |  |
| **NO** | **FUNDAMENTAL SKILLS NEEDED** | | | **\*\***  **(√)** | **NO** | **FUNDAMENTAL SKILLS NEEDED** | **\*\***  **(√)** |
| 1 | Communication Skills | | |  | 4 | Teamwork |  |
| 2 | Technical Report Writing | | |  | 5 | Industrial Safety and Environmental Awareness |  |
| 3 | Office/Workshop Management | | |  | 6 | Entrepreneurship |  |

**Company’s Stamp**