

APPENDIX

APPENDIX 1

**FACULTY OF BUSINESS AND ACCOUNTANCY
UNIVERSITY MALAYA**

Sir/Madam,

I am a Masters student from the Faculty of Business and Accountancy, University Malaya. As part fulfillment of the course requirement I am conducting a research on:

**"A Study On The Effectiveness of The External Validation
in the Malaysian Army Training System".**

The focus of my study is on "Vehicle Mechanic Class 1" course. I would like to find out several things about the course. This study is only an academic exercise. It is not a test and there is no right or wrong answers for all the questions given in this questionnaire. All details and information given will be treated with the strictest confidence.

Thank you for your kind cooperation.

**MOHD RADZI BIN AHMAD TAJUDIN
Faculty of Business and Accountancy
University Malaya**

SECTION 1

PART A

This part is to find out about the course that you have attended. After you have had the opportunity to put into practice the knowledge, skills and techniques taught during the course, we would like to seek your opinion on certain aspects of the course. We would also like to find out how relevant and useful the knowledge, skill and techniques that you have obtained during the course in your daily work.

Course content for "Vehicle Mechanic Class 1" course is listed below. Think about each topic that was taught and relate it to your present job, then circle the number closest to your opinion. There is no right or wrong answer.

1 - Not useful at all. 2 - Not useful. 3 - Not sure. 4 - Useful. 5 - Very useful.

- | | | | | | |
|---|---|---|---|---|---|
| 1. To use and apply the knowledge of mathematics . | 1 | 2 | 3 | 4 | 5 |
| 2. To use and apply the knowledge of engineering science. | 1 | 2 | 3 | 4 | 5 |
| 3. To draw and develop orthographic and isometric drawings. | 1 | 2 | 3 | 4 | 5 |
| 4. To conduct component repair of an engine and fuel system. | 1 | 2 | 3 | 4 | 5 |
| 5. To conduct component repair of electrical systems. | 1 | 2 | 3 | 4 | 5 |
| 6. To conduct repair on cooling sytem, lubrication system, inlet and outlet and exhaust system. | 1 | 2 | 3 | 4 | 5 |
| 7. To conduct repair on clutch, gear boxes and drive train system. | 1 | 2 | 3 | 4 | 5 |
| 8. To conduct wheel alignment and maintenance of wheels. | 1 | 2 | 3 | 4 | 5 |
| 9. Identify faults and repair of brake and hydraulic systems. | 1 | 2 | 3 | 4 | 5 |
| 10. Identify faults and repair of front and rear axle and chasis of vehicles. | 1 | 2 | 3 | 4 | 5 |
| 11. Identify faults and repair of all type of motorcycles. | 1 | 2 | 3 | 4 | 5 |
| 12. Identify faults and repair of out-board motors. | 1 | 2 | 3 | 4 | 5 |
| 13. Identify faults and repair of small 2 and 4 strokes machines. | 1 | 2 | 3 | 4 | 5 |
| 14. Identify and repair of faults in Condor Amoured Vehicles. | 1 | 2 | 3 | 4 | 5 |

15. Identify and repair of faults in tracked armoured vehicles (Stormer and Scorpion). 1 2 3 4 5

16. Identify and repair of faults in the Sibmas Armoured Vehicle. 1 2 3 4 5

PART B

How do you compare your level of knowledge and skill in performing your current job as a vehicle mechanic after you have attended the course?

1 - No improvement at all. 2 - Little improvement. 3 - Not sure. 4 - Improved.
5 - Great improvement.

Each of the performances taught on your Vehicle Mechanic Class I course is listed below. Please circle the number closest to your opinion.

- | | | | | | |
|---|---|---|---|---|---|
| 1. To use and apply the knowledge of mathematics . | 1 | 2 | 3 | 4 | 5 |
| 2. To use and apply the knowledge of engineering science. | 1 | 2 | 3 | 4 | 5 |
| 3. To draw and develop orthographic and isometric drawings. | 1 | 2 | 3 | 4 | 5 |
| 4. To conduct component repair of an engine and fuel system. | 1 | 2 | 3 | 4 | 5 |
| 5. To conduct component repair of electrical systems. | 1 | 2 | 3 | 4 | 5 |
| 6. To conduct repair on cooling sytem, lubrication system, inlet and outlet and exhaust system. | 1 | 2 | 3 | 4 | 5 |
| 7. To conduct repair on clutch, gear boxes and drive train system. | 1 | 2 | 3 | 4 | 5 |
| 8. To conduct wheel alignment and maintenance of wheels. | 1 | 2 | 3 | 4 | 5 |
| 9. Identify faults and repair of brake and hydraulic systems. | 1 | 2 | 3 | 4 | 5 |
| 10. Identify faults and repair of front and rear axle and chasis of vehicles. | 1 | 2 | 3 | 4 | 5 |
| 11. Identify faults and repair of all type of motorcycles. | 1 | 2 | 3 | 4 | 5 |
| 12. Identify faults and repair of out-board motors. | 1 | 2 | 3 | 4 | 5 |
| 13. Identify faults and repair of small 2 and 4 strokes machines. | 1 | 2 | 3 | 4 | 5 |
| 14. Identify and repair of faults in Condor Amoured Vehicles. | 1 | 2 | 3 | 4 | 5 |

15. Identify and repair of faults in tracked armoured vehicles
(Stormer and Scorpion).

1 2 3 4 5

16. Identify and repair of faults in the Sibmas Armoured Vehicle.

1 2 3 4 5

PART C

This part is to find out several aspects of the training process in relation to the Malaysian Army Training System. Please tick in the appropriate space.

I) Course Evaluation In General

1. How many courses have you attended from the time you joined the Army till now? Please state the number here _____

2. Have you been asked to evaluate any of the courses that you have attended after you have completed it throughout your service?

Yes ☐ No ☐

II) Evaluation for "Vehicle Mechanic Class I" Course

1. Were there any interviews or end-of-course debriefing conducted at the end of the course?

Yes ☐ No ☐

2. Have you been asked to evaluate the course after you have reported to your present job?

Yes ☐ No ☐

3. Have you ever been interviewed and asked about the course you have attended after reporting to your present job?

Yes ☐ No ☐

4. Have you been told that you are being observed on your performance, skill and knowledge in your current job by your supervisor?

Yes ☐ No ☐

5. Do you think that there is any topics that should NOT be included in the course?

Yes ☐ No ☐

If YES, please specify _____

6. Do you think that there are other topics that should be included in the course?

Yes ☐ No ☐

If YES, please specify _____

SECTION 2

PROFILE

Please tick (/) or fill in the appropriate space.

1. Sex. Male [] Female []

2. Race.

Malay [] Chinese []

Indian [] Others [] Please specify _____

3. Religion.

Islam [] Buddha [] Hindu [] Christian []

Others [] Please specify _____

4. Age.

18 – 25 years [] 26 – 30 years [] 31 – 35 years []

36 – 40 years [] Above 40 years []

5. Marital Status.

Single [] Married [] Others []

6. Academic Qualification

SPM/MCE [] STPM/HSC [] Certificate / Diploma []

Degree/Advance Diploma [] Others [] Specify _____

7. Job Designation/Appointment: _____

8. Years of Service. Please specify _____

9. Rank: _____

THANK YOU FOR YOUR COOPERATION

APPENDIX 2

**FACULTY OF BUSINESS AND ACCOUNTANCY
UNIVERSITY MALAYA**

Sir/Madam,

I am a Masters student from the Faculty of Business and Accountancy, University Malaya. As part fulfillment of the course requirement I am conducting a research on:

**"A Study On The Effectiveness of The External Validation
in the Malaysian Army Training System".**

The focus of my study is on "Vehicle Mechanic Class 2" course. I would like to find out several things about the course. This study is only an academic exercise. It is not a test and there is no right or wrong answers for all the questions given in this questionnaire. All details and information given will be treated with the strictest confidence.

Thank you for your kind cooperation.

**MOHD RADZI BIN AHMAD TAJUDIN
Faculty of Business and Accountancy
University Malaya**

SECTION 1

PART A

This part is to find out about the course that you have attended. After you have had the opportunity to put into practice the knowledge, skills and techniques taught during the course, we would like to seek your opinion on certain aspects of the course. We would also like to find out how relevant and useful the knowledge, skill and techniques that you have obtained during the course in your daily work.

Course content for "Vehicle Mechanic Class 2" course is listed below. Think about each topic that was taught and relate it to your present job, then circle the number closest to your opinion. There is no right or wrong answer.

1 - Not useful at all. 2 - Not useful. 3 - Not sure. 4 - Useful. 5 - Very useful.

- | | | | | | |
|--|---|---|---|---|---|
| 1. Maintenance and inspection of soft skin vehicles. | 1 | 2 | 3 | 4 | 5 |
| 2. Identify faults and repair of internal combustion engines. | 1 | 2 | 3 | 4 | 5 |
| 3. Identify faults and repair of electrical systems in soft skin vehicles. | 1 | 2 | 3 | 4 | 5 |
| 4. Identify faults and repair of clutch systems in soft skin vehicles. | 1 | 2 | 3 | 4 | 5 |
| 5. Identify faults and repair of gear boxes in soft skin vehicles. | 1 | 2 | 3 | 4 | 5 |
| 6. Identify faults and repair of drive trains in soft skin vehicles. | 1 | 2 | 3 | 4 | 5 |
| 7. Identify faults and align tyres of soft skin vehicles. | 1 | 2 | 3 | 4 | 5 |
| 8. Identify faults and repair of steering systems in soft skin vehicles. | 1 | 2 | 3 | 4 | 5 |
| 9. Identify faults and repair of brake systems in soft skin vehicles. | 1 | 2 | 3 | 4 | 5 |
| 10. Identify faults and repair of suspension system in soft skin vehicles. | 1 | 2 | 3 | 4 | 5 |
| 11. Identify faults and repair of lubrication systems in soft skin vehicles. | 1 | 2 | 3 | 4 | 5 |
| 12. Identify faults and repair of cooling systems in soft skin vehicles. | 1 | 2 | 3 | 4 | 5 |
| 13. Identify faults and repair of fuel systems in soft skin vehicles. | 1 | 2 | 3 | 4 | 5 |
| 14. Conduct workshop safety inspections and procedures. | 1 | 2 | 3 | 4 | 5 |

PART B

How do you compare your level of knowledge and skill in performing your current job as a vehicle mechanic after you have attended the course?

1 - No improvement at all. 2 - Little improvement. 3 - Not sure. 4 - Improved.
5 - Great improvement.

Each of the performances taught on your Vehicle Mechanic Class 2 course is listed below. Please circle the number closest to your opinion.

- | | | | | | |
|--|---|---|---|---|---|
| 1. Maintenance and inspection of soft skin vehicles. | 1 | 2 | 3 | 4 | 5 |
| 2. Identify faults and repair of internal combustion engines. | 1 | 2 | 3 | 4 | 5 |
| 3. Identify faults and repair of electrical systems in soft skin vehicles. | 1 | 2 | 3 | 4 | 5 |
| 4. Identify faults and repair of clutch systems in soft skin vehicles. | 1 | 2 | 3 | 4 | 5 |
| 5. Identify faults and repair of gear boxes in soft skin vehicles. | 1 | 2 | 3 | 4 | 5 |
| 6. Identify faults and repair of drive trains in soft skin vehicles. | 1 | 2 | 3 | 4 | 5 |
| 7. Identify faults and align tyres of soft skin vehicles. | 1 | 2 | 3 | 4 | 5 |
| 8. Identify faults and repair of steering systems in soft skin vehicles. | 1 | 2 | 3 | 4 | 5 |
| 9. Identify faults and repair of brake systems in soft skin vehicles. | 1 | 2 | 3 | 4 | 5 |
| 10. Identify faults and repair of suspension system in soft skin vehicles. | 1 | 2 | 3 | 4 | 5 |
| 11. Identify faults and repair of lubrication systems in soft skin vehicles. | 1 | 2 | 3 | 4 | 5 |
| 12. Identify faults and repair of cooling systems in soft skin vehicles. | 1 | 2 | 3 | 4 | 5 |
| 13. Identify faults and repair of fuel systems in soft skin vehicles. | 1 | 2 | 3 | 4 | 5 |
| 14. Conduct workshop safety inspections and procedures. | 1 | 2 | 3 | 4 | 5 |

PART C

This part is to find out several aspects of the training process in relation to the Malaysian Army Training System. Please tick in the appropriate space.

I) Course Evaluation In General

1. How many courses have you attended from the time you joined the Army till now? Please state the number here _____

2. Have you been asked to evaluate any of the courses that you have attended after you have completed it throughout your service? Yes ☐ No ☐

II) Evaluation for "Vehicle Mechanic Class 2" Course

1. Were there any interviews or end-of-course debriefing conducted at the end of the course? Yes ☐ No ☐

2. Have you been asked to evaluate the course after you have reported to your present job? Yes ☐ No ☐

3. Have you ever been interviewed and asked about the course you have attended after reporting to your present job? Yes ☐ No ☐

4. Have you been told that you are being observed on your performance, skill and knowledge in your current job by your supervisor? Yes ☐ No ☐

5. Do you think that there is any subjects that should not be included in the course? Yes ☐ No ☐

If YES, please specify _____

6. Do you think that there are other subjects that should be included in the course? Yes ☐ No ☐

If YES, please specify _____

SECTION 2

PROFILE

Please tick (/) or fill in the appropriate space.

1. Sex. Male ☐ Female ☐
2. Race.
Malay ☐ Chinese ☐
Indian ☐ Others ☐ Please specify _____
3. Religion.
Islam ☐ Buddha ☐ Hindu ☐ Christian ☐
Others ☐ Please specify _____
4. Age.
18 – 25 years ☐ 26 – 30 years ☐ 31 – 35 years ☐
36 – 40 years ☐ Above 40 years ☐
5. Marital Status.
Single ☐ Married ☐ Others ☐
6. Academic Qualification
SPM/MCE ☐ STPM/HSC ☐ Certificate / Diploma ☐
Degree/Advance Diploma ☐ Others ☐ Specify _____

7. Job Designation/Appointment: _____
8. Years of Service. Please specify _____
9. Rank: _____

THANK YOU FOR YOUR COOPERATION

**FACULTY OF BUSINESS AND ACCOUNTANCY
UNIVERSITY MALAYA**

Sir/Madam,

I am a Masters student from the Faculty of Business and Accountancy, University Malaya. As part fulfillment of the course requirement I am conducting a research on:

**"A Study On The Effectiveness of The External Validation
in the Malaysian Army Training System".**

The focus of my study is on "Vehicle Mechanic Class I and 2" courses. I would like to find out several things about the courses. As the immediate supervisor of ex-trainees who has attended the "Vehicle Mechanic Class I and 2" courses, I would like to seek out several things about the courses from you. This study is only an academic exercise. It is not a test and there is no right or wrong answers for all the questions given in this questionnaire. All details and information given will be treated with the strictest confidence.

Thank you for your kind cooperation.

MOHD RADZI BIN AHMAD TAJUDIN
Faculty of Business and Accountancy
University Malaya

SECTION 1

PART A

This part is to find out about the course that your subordinates have attended. After he/she has had the opportunity to put into practice the knowledge, skills and techniques taught during the course, we would like to seek your opinion on certain aspects of the course. We would also like to find out how relevant and useful the knowledge, skill and techniques that he/she has obtained during the course in his/her daily work.

Think about each topic. Relate it to his/her present job performances, then tick the closest answer to your opinion. There is no right or wrong answer.

1. Overall, do you think that the course(s) your subordinate has attended is sufficient for him/her to carry out his/current job?

Yes

☐

No

☐

If YES please elaborate _____

If NO, please state your reason(s) _____

2. Do you think that the level of knowledge and skill of your subordinate(s) have improved after attending the course?

Yes

☐

No

☐

If YES please elaborate _____

NO, please state your reason(s) _____

Do you think that the work attitude of your subordinate(s) have improved after attending the course?

Yes ☐

No ☐

YES please elaborate _____

NO, please state your reason(s) _____

As the supervisor to ex-trainees of Vehicle Mechanic Class 1 and/or Class 2, we would like to have your opinion on the following subject areas :

- Not useful at all. 2 - Not useful. 3 - Not sure. 4 - Useful. 5 - Very useful.

Circle the number that best describe your opinion.

Identify faults and repair internal combustion engines. 1 2 3 4 5

Identify faults and repair electrical system in a vehicle. 1 2 3 4 5

Identify faults and repair transmission and suspension system of any vehicle. 1 2 3 4 5

Identify faults and repair all type of 2-stroke engines. 1 2 3 4 5

Identify faults and repair all variant of armoured vehicles. 1 2 3 4 5

PART B

This part is to find out several aspects of the training process in relation to the Malaysian Army Training System. Please tick in the appropriate space.

I) Course Evaluation In General

1. As a supervisor have you been asked to evaluate any of the courses that your subordinates have attended after they have completed it?

Yes ☐ No ☐

2. Are you aware that you are required to observe subordinates for a period of at least six months after their completion of a training course?

Yes ☐ No ☐

If YES, how do you conduct it? _____

If NO, please state the obstacles that prevent you from doing it? _____

II) Evaluation for "Vehicle Mechanic Class I & 2" Course

1. Have you been asked to evaluate any of the courses after your subordinate has reported to his/her present job?

Yes ☐ No ☐

2. Have you ever been interviewed by the Training Development staffs from Army Institute of Engineering or staffs from the Training Cell, Royal EME Directorate with regards to the courses that your subordinate has attended while they are under your supervision?

Yes ☐ No ☐

3. Do you think that the Vehicle Mechanic Class 1 course has met the current job requirements?

Yes ☐ No ☐

4. Do you think that the Vehicle Mechanic Class 2 course has met the current job requirements?

Yes

☐

No

☐

5. Suggestions for the syllabus of Vehicle Mechanic Class 1 & 2.

<u>Vehicle Mechanic Class 1</u>	<u>Vehicle Mechanic Class 2</u>
Subjects to be dropped:	Subjects to be dropped:
Subjects to be included:	Subjects to be included:

6. Your suggestions for improvements for both courses. _____

SECTION 2

PROFILE

Please tick (/) or fill in the appropriate space.

1. Sex. Male ☐ Female ☐
2. Race.
Malay ☐ Chinese ☐
Indian ☐ Others ☐ Please specify _____
3. Religion.
Islam ☐ Buddha ☐ Hindu ☐ Christian ☐
Others ☐ Please specify _____
4. Age.
23 – 28 years ☐ 29 – 34 years ☐ 35 – 40 years ☐
Above 40 years ☐
5. Marital Status.
Single ☐ Married ☐ Others ☐
6. Education
SPM/MCE ☐ STPM/HSC ☐ Certificate / Diploma ☐
Others ☐ Specify _____
7. Job Designation/Appointment: _____
8. Years of Service. Please specify _____
9. Rank: _____

THANK YOU FOR YOUR COOPERATION