

CERTIFICATE

This witness statement is issued to the applicants for the fulfilment of their MS (Project Management) program requirements being carried out at Bahria University Lahore Campus (BULC).

It is witnessed that **Ms. Ayesha Malik**, Enrollment: **03-298151-004** Class: **MSPM-II**_ Semester: **Fall 2015** & **Fatima Riaz** Enrollment: **03-298151-007** Class: **MSPM-II**_ Semester: **Fall 2015** have visited / frequently utilized our premises, participated in our real-time project for implementing project management skills using EPM as a leading software tool.

They have participated fully in organization's project PUTNAM Fuel Intelligence Application and within the highlighted fields of planning, scheduling, earned value analysis. Additionally they have

1. Recommended a Project Charter & Project Scope Statement Template including PMO Framework/Structure
2. Performed a detailed analysis on application of Project in MS Project
3. Analyzed Project Development, Testing and Deployment of the project

They have visited frequently utilized premises, have been found skillful in applying EPM in the following highlighted above fields.

Additionally, It is noteworthy to mention that Ms. Ayesha Malik And Ms. Fatima Riaz demonstrated good ethical practices, enthusiastic approach to work, task convergence capabilities, professionalism while their stay / connection with this organization throughout.

Certified By Company Official:
(Signature, Stamp & Date)



Hanif Mahmood

Mr./Ms.

Verified By Trainer:
(Signature & Date)

Mr./Ms.

Chief Operating Officer

Jan 11th, 2016

PUTNAM

**Fuel Intelligence
Application**

Table of Contents

1. Abstract.....	vi
2. Acknowledgements	vii
3. TechPeak-An Introduction to Organization.....	1
3.1 Vision:	2
3.2 Mission:.....	2
3.3 Culture:.....	2
3.4 Core Values:	3
3.5 Services:	3
3.6 Project Management Process:.....	4
4. TechPeak’s Organizational Structure:	5
5. Business Drivers:.....	5
6. Key Performance Indicators:	6
7. PMO:	7
7.1 Need for PMO:	7
7.2 Benefits of PMO:.....	8
7.3 PMO in Value Addition:	10
7.4 Roles of PMO:	11
7.4.1 Supporting:.....	11
7.4.2 Controlling:.....	12
7.4.3 Directive:.....	12
7.5 Types of PMO:	12
7.5.1 Weather Station:	12
7.5.2 Control Tower:	13
7.5.3 Resource Pool:	13
7.6 Types of PMO Frameworks:.....	13
7.6.1 Organizational Unit PMO/Business Unit PMO/Divisional PMO/Departmental PMO.....	13
7.6.2 Project Specific PMO/Project office/Program Office.....	13
7.6.3 Project Support/Services/Controls Office or PMO	13
7.6.4 Enterprise/Organization-wide/Starategic/Corporate/Portfoli/Global PMO.....	13
7.6.5 Center of Excellence/Center of Competency.....	14
8. Issues faced by the TechPeak due to absence of PMO:	14

9. Strategy for Establishing PMO:	15
9.1 Step 1: Assess the nature of Organization's Structure:	16
9.2 Step 2: Assessment of Needs:	17
9.3 Step 3: Develop PMO Vision:	17
9.3.1 Vision:	17
9.4 Step 4: Develop PMO Mission and Objectives:	18
9.4.1 Mission:	18
9.4.2 Objectives:	18
9.5 Step 5: Establish PMO Procedures & Processes:	19
9.6 Step 6: Assess the appropriate Type of PMO:	19
9.7 Step 7: Propose a PMO Framework:	20
9.7.1 Proposed PMO Framework for HTML Pro:	20
9.8 Step 8: Propose a PMO Organizational Structure:	21
9.8.1 Proposed PMO Organizational structure:	22
9.9 Step 9: Establish Responsibilities of Proposed PMO:	23
9.10 Step 10: Develop PMO Lifecycle:	26
9.10.1 Assessment:	27
9.10.2 Planning:	27
9.10.3 Execute & Control:	27
9.10.4 Closing:	28
9.11 Step 11: Review the PMO Lifecycle:	28
10. Success Factors in PMO Implementation:	28
11.Challenges Expected During Implementation of PMO:	29
11.1 Ways to Handle PMO Implementation Challenges:	29
12. Selected Project: PUTNAM Fuel Intelligence Application	31
.....	31
12.1 An Introduction to PUTNAM Fuel Intelligence Application	32
13. Project Charter	33
14. Project Scope Statement	40
15. Microsoft Project Sheets:	48
15.1 WBS Sheet (Entry Table)	49
15.2 Resource Sheet:	55
15.3 Cost Sheet:	57

15.4 Earned Value Sheet:	63
15.5 Tracking Gantt:	67
15.6 Tracking Sheet:	73
15.7 Project Dashboards:	78
15.7.1 BurnDown Report:.....	78
15.7.2 Resource Overview:	79
15.7.3 Cost Overview:.....	80
15.7.4 Project Overview:.....	81
15.7.5 Upcoming Tasks:.....	81
15.7.6 Work Overview:.....	82
15.7.7 Over allocated Resources:	84
15.7.8 Resource Overview:	84
15.7.9 Earned Value:	86
15.7.10 Cash flow:	87
15.7.11 Cost Overruns:	87
15.7.12 Resource Cost Overview:.....	89
15.7.13 Task Cost Overview:	91
15.7.14 Critical Tasks	91
15.7.15 Late Tasks:.....	92
15.7.16 Milestone Report:.....	93
15.7.17 Slipping Tasks:	93
15.8 S-Curve:.....	94
15.9 Critical Path:	95
16. APPENDIX A- Templates	96
16.1 Project Charter Template	96
16.2 Project Scope Statement.....	100
APPENDIX B: Reporting Format of PMO:.....	103
References	104

List of Figures

Figure 1: TechPeak's Project Management Process.....	4
Figure 2: TechPeak's Organizational Structure.....	5
Figure 3: Key performance Indicators.....	6
Figure 4: Services a PMO Provides.....	7
Figure 5: Need for a PMO.....	8
Figure 6: PMO Best Practices.....	9
Figure 7: PMO in Benefit Realization.....	10
Figure 8: Value Addition by PMO.....	11
Figure 9: Roles of a PMO.....	11
Figure 10: Types of a PMO.....	12
Figure 11: PMO Frameworks.....	14
Figure 12: Strategy for PMO Implementation.....	16
Figure 13: Assessment of Needs.....	17
Figure 14: PMO Project Initiation to Project delivery.....	18
Figure 15: PMO Objectives.....	19
Figure 16: Proposed PMO Type.....	20
Figure 17: Proposed PMO Framework.....	21
Figure 18: Proposed PMO Organizational Structure.....	22
Figure 19: Revised Organizational Structure with PMO.....	23
Figure 20: PMO Methodology.....	24
Figure 21: Project Management Best Practices.....	25
Figure 22: PMO Metrics.....	26
Figure 23: PMO Lifecycle for Implementation.....	27
Figure 24: PMO Monitoring & Controlling Model.....	28
Figure 25: Proposed Wireframe1	43
Figure 26: Proposed Wireframe 2 & 3.....	44

List of Tables

Table 1: PMO reporting Format.....26

Table 2: Summary Milestone Schedule.....36

Table 3: Summary Budget.....36

Table 4: Stakeholder List.....37

Table 5: Assigned Project Manager’s Responsibility.....37

Table 6: Authority of Sponsor.....38

1. Abstract

Enterprise Project Management has its role in supporting the organizations and improving communication, resource management. For such organizations a Project Management Office (PMO) is recommended since it helps to define priorities for organizations and help them to define their vision, mission and a methodology by standardizing. Also it helps to facilitate governance, monitor and track progress for projects. HTML Pro is a growing company who has a name in the field of IT and is working on so many projects, providing services like web development, application development, maintenance of software and applications and so much more. However the company lacks project management practices and some flaws have been observed in context of their organizational structure, culture. To cater all such needs which the company lacks, PMO's importance has been described. All the problems which HTML Pro is facing in the absence of a PMO have been discussed in detail and as a solution a PMO type 'Control Tower' has been proposed to the company. Moreover, a detailed framework has been proposed which caters all the needs of company and for that PMO structure has been developed too. All of this describes what benefits a PMO implementation will bring to the organization. Furthermore, a project has been selected which is "PUTNAM Fuel Intelligence Application", an application development project of HTML Pro. Project Charter and Project Scope Statement has been developed for that particular project, moreover the template of Project Charter and Project Scope Statement have been provided to HTML Pro. The selected project has been planned in detail on MS Project to show a comprehensive view of scheduling, budgeting, earned value analysis, tracking, resources detail and a view of those activities which are on critical path. All of these things have been developed and planned in accordance with the details provided by HTML Pro which has helped greatly in applying and exploring knowledge of MS Project skills.