Department of Electrical Engineering
Assignment
Date: 20/04/2020

Course Details

Course Title: Special Topics in Software Management   **Module:**   3

Instructor: **Total Marks:**   30

Student Details

Name: **Student ID:**

INSTRUCTIONS:

1. Answers to each question (1 and 2) must be written in form of Research *Paper*.
2. Each answer must be supported by related research articles (at least 3)
3. The answers must be in your own words and references must be cited wherever it is necessary
4. Plagiarized content will <u>NOT</u> be accepted (Max allowed similarity Index: 15%)
5. The solution must be uploaded before the end of deadline mentioned on the *Online Portal* of subject.

Question No. 1

Please select any three research papers of *same research focus* from the list given at the end. Write the answers of the following questions in form of a research paper

a. Discuss the major problems, findings, conclusions and discussion by researchers in order to mitigate a solution
b. Write the detailed review of work performed in both the researches
c. Discuss how the proposed models can be useful for the implementation at different stakeholder levels in Pakistan

Resources for Question No. 1

1. M. El Bajta et al., "Software project management approaches for global software development: a systematic mapping study," in Tsinghua Science and Technology, vol. 23, no. 6, pp. 690-714, December 2018.

2. M. Shafiq et al., "Effect of Project Management in Requirements Engineering and Requirements Change Management Processes for Global Software Development," in IEEE Access, vol. 6, pp. 25747-25763, 2018.
3. H. Y. Chiang and B. M. T. Lin, "A Decision Model for Human Resource Allocation in Project Management of Software Development," in *IEEE Access*, vol. 8, pp. 38073-38081, 2020.
4. A. Khan, J. W. Keung, Fazal-E-Amin and M. Abdullah-Al-Wadud, "SPIIMM: Toward a Model for Software Process Improvement Implementation and Management in Global Software Development," in IEEE Access, vol. 5, pp. 13720-13741, 2017.
5. T. Tahir, G. Rasool, W. Mehmood and C. Gencel, "An Evaluation of Software Measurement Processes in Pakistani Software Industry," in IEEE Access, vol. 6, pp. 57868-57896, 2018.
6. M. Irfan, M. Hassan and N. Hassan, "The Effect of Project Management Capabilities on Project Success in Pakistan: An Empirical Investigation," in *IEEE Access*, vol. 7, pp. 39417-39431, 2019.
7. W. Aslam and F. Ijaz, "A Quantitative Framework for Task Allocation in Distributed Agile Software Development," in IEEE Access, vol. 6, pp. 15380-15390, 2018.
8. M. Z. Tunio et al., "Impact of Personality on Task Selection in Crowdsourcing Software Development: A Sorting Approach," in IEEE Access, vol. 5, pp. 18287-18294, 2017.
9. IEEE Standard for Software Configuration Management Plans - Redline," in *IEEE Std 828-2005 (Revision of IEEE Std 828-1998) - Redline* , vol., no., pp.1-32, 12 Aug. 2005