

Code: 9F00504a

MCA V Semester Regular & Supplementary Examinations October/November 2017

SOFTWARE PROJECT MANAGEMENT

(For 2012, 2013, 2014 & 2015 admitted batches only)

Time: 3 hours

Max. Marks: 60

Answer any FIVE questions
All questions carry equal marks

- 1 Explain the evolution of software economics and the process of pragmatic software cost estimation.
- 2 Illustrate how reducing software product size, refining software processes and improving team effectiveness helps in improving software economics.
- 3 Describe the different phases of Engineering stage and Production stage of software lifecycle in order to successfully manage a project.
- 4 Explain the process of designing software architecture from a management and technical perspective to achieve a stable architecture baseline.
- 5 Describe the role of work break down structures, planning guidelines, cost and schedule estimation and interactive planning to achieve a balanced project plan.
- 6 Explain the various building blocks of automation that supports the process workflow and describe how project environment is crucial for any long-lived software development project.
- 7 Illustrate the need for pragmatic software metrics and metrics automation in measuring and managing the process throughout the software development cycle. Also, explain how a process is tailored to specific characteristics of a project.
- 8 Explain how next generation software economics is resulting in better economics of scale and improved return on investment profiles.
