Aachal Saxena
1032210777
Panel-C

SEPM Assignment - 8

1) What is DevOps?

→ DevOps is a cross-functional combination of software development and IT Operations' practices. It ensures industry-standard software quality by shortening the software development life cycle and providing continuous software delivery.

2) Why DevOps?

→ DevOps is important because it's a software development and operations approach that enables faster development of new products and easier maintainence of existance deployments.

3) Addressing delivery challenges in project management.

→ When goals are not clearly identified; one whole project and team can suffer.
- A project sometimes require skills that project contributors do not possess.
- Risk management is typically a desirable project manager trait because project rarely go exactly to plan
- Poor communication may also lead to problems.

4) Coordination of Agile and DevOps tool for project managment.

→ Agile & DevOps together execute learn approach on large scale

- They both have collaboration working style.
- Both Agile & DevOps focus on developing the produ at fast pace by keeping smaller teams and usin risk free approach.

5) DevOps vs Release management.

→ Release management is essential in DevOps environ New way of building and releasing software translates into new release deployed multiple times a day, software delivery still requires collaborat & engagement of multiple participants.

- Collaboration is key for DevOps so release managem must be an enable of DevOps.

6) When to adopt DevOps and when not to?

→ To adopt:

(i) Better team collaboration
(ii) Greater security
(iii) Improved efficiency
(iv) More client satisfaction

Not to adopt:

(i) lacking buy in form business & managemen stakeholder.
(ii) Without knowing of it
(iii) To much red tape & backlog
(iv) Miscommunication between business & technical teams.

7) Advantages and disadvantages of DevOps.

→ Advantages :

- It improves customer experience & satisfaction
- Gives clarity on product development
- Better team engagement

Disadvantages:

- Developing with DevOps is expensive
- Lack of knowledge
- Expert developer are less available.

8) Real time applications of DevOps with example.

→ Application of DevOps in Online Financial Trading Company -

The methodology is process of testing, building and development was automated in trading company, using DevOps, development was being done within as sec. The time of overall process reduced and interest of client increased.

* Conclusion → Hence, explored DevOps tool for Project Management.