PROJECT DEVELOPMENT PHASE

PROJECT DEVELOPMENT-DELIVERY OF SPRINT-2

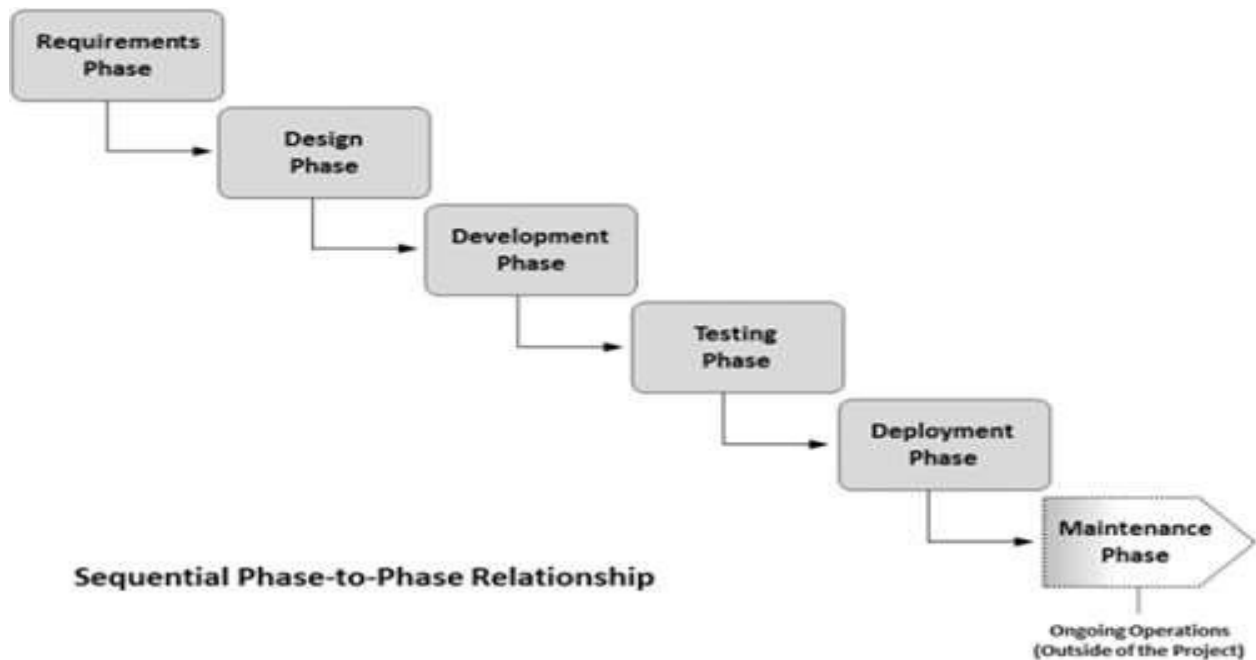|	
Date	05 November 2022
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Team ID	PNT2022TMID43782
Project Name	Statistical Machine Learning Approaches To Liver Disease Prediction

Abstract

- Non-alcoholic fatty liver disease (NAFLD) is a growing health problem with a global prevalence of over 25% and prevalence rates of over 60% in high-risk populations.

- It is considered the hepatic component of the metabolic syndrome and is associated with an increased risk of the development of various liverassociated and cardiometabolic complications.

- Given the complexity of NAFLD and associated comorbidities and complications, treatment requires interventions from a variety of different healthcare specialties.

- However, many clinicians are currently insufficiently aware of the potential harm and severity of NAFLD and associated comorbidities, complications and the steps that should be taken when NAFLD is suspected.

- Recognizing which patients suffer from non-progressive simple steatosis, metabolically active NASH with high risk of developing cardiovascular disease and which patients have a high risk of developing cirrhosis and hepatocellular carcinoma is important.

- Unfortunately, this can be difficult and guidelines towards the optimal diagnostic and therapeutic approach are ambivalent. Here we review the pathogenesis, diagnostics and treatment of NAFLD and discuss how multidisciplinary care path development could move forward.

PHASES RELATIONSHIP

Requirements Phase

Design Phase

Development Phase

Testing Phase

Deployment Phase

Maintenance Phase

Sequential Phase-to-Phase Relationship

Ongoing Operations
(Outside of the Project)

LEVELS   OF   MAINTENANCE

**Level 5: -
Defined Process**

Core Items: -
- Alignment of HSE Process with external Process (i.e. PRINCE)
- Benefit Realisation
- Lesson Learnt Methodology
- Supplier / Vendor Management

Level 4: - Value-added Tools and Techniques

Core Items: -
- Proactive Escalations / Issues
- Benefit identification
- PID and Project Change Management
- Critical Success Factors
- Mentoring / Coaching of Project staff

**Level 3: -
Defined Approach**

Core Items: -
- Risk Register / Management of Risks
- Resource management
- Timeline tracking
- Project Process management and development
- Mature PID Development (and to include all of

**Level 2: -
Consistency in approach**

Core Items: -
- Defined scope (e.g. Work Breakdown Structures)
- Timelines
- Risk Identification
- PID Development
- Regular Project Status Reporting

Level 1: - Ad-hoc

Core Items: -
- Good scoping
- Issue Tracking
- Project Status Reporting
- PID Startup