SYLLABUS FOR BOARD OF STUDIES ADOPTION — generated from the live catalogue record

Summer Internship

IN-01 · 20 days (configurable 1–5 days) · Informatics · Software Engineering · Years: 1st, 2nd, 3rd

CONTENTS

1. Overview 2
2. Hours and credit position 2
3. Course outcomes 2
4. Course content — modules 2
5. Assessment scheme (100 marks) 2
6. CO–PO mapping 2
7. Every participant receives 3
8. Fee 3
9. Designed by 3

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OVERVIEW

A summer spent building one real thing, finished, documented and demonstrated.

Most summer internships end with a certificate and nothing to show. This one ends with a repository, a demo and a report the student can open in an interview.

HOURS AND CREDIT POSITION

Contact hours: 60 Guided project: 40 Self-study: 20 Notional total: 120

Credit claim: none

Offered as a non-credit programme. The hours above are stated for transparency; the college may position it inside value-added / add-on frameworks at its discretion.

COURSE OUTCOMES

CO1. Operate a version-controlled project repository using branches, commits and issues (K3)
CO2. Apply the core techniques of the chosen technical track to a defined problem (K3)
CO3. Write a specification that states scope, data and interface before building (K3)
CO4. Build and test a working mini project against that specification (K3)
CO5. Demonstrate the finished project and defend its design decisions (K4)

COURSE CONTENT — MODULES

Hours shown are the recommended format; module time scales proportionally when the engagement runs 1–5 days.

Module 1 — Orientation and toolchain (10h recommended)
Theory: Version control, branching, issue tracking, working agreements
Lab: Set up the project repository and board
Output: Repository with a written README

Module 2 — The technical block (24h recommended)
Theory: Core stack for the chosen track, taught against the project brief
Lab: Daily guided exercises building toward the project
Output: Exercise set, reviewed

Module 3 — Requirement and design (10h recommended)
Theory: Scoping, user stories, data model, interface sketch
Lab: Write the specification the build follows
Output: One-page specification

Module 4 — Build and review (12h recommended)
Theory: Implementation, code review, testing basics
Lab: Two review checkpoints with a mentor
Output: Working mini project

Module 5 — Demonstrate and document (4h recommended)
Theory: Writing a project report, preparing a demonstration
Lab: Present to the cohort
Output: Project report and recorded demo

ASSESSMENT SCHEME (100 MARKS)

Daily exercises and mentor reviews — 30 marks
Mini project and repository — 50 marks
Demonstration and viva voce — 20 marks

CO–PO MAPPING

CO1 !’ PO5 (strength 2)
Version control is the tool discipline every later project depends on.

CO2 !’ PO1 (strength 3)
The technical block is the engineering knowledge the internship exists to deliver.

CO3 !’ PO2 (strength 2)
Specification writing is problem analysis made explicit.
CO4 !’ PO3 (strength 3)
The mini project is a design-and-build exercise against a stated need.
CO5 !’ PO10 (strength 2)
Defending the work is the communication outcome employers test for.

EVERY PARTICIPANT RECEIVES

- Certificate of completion
- Course material
- LMS access

FEE

¹1,999 per student, incl. GST
Excludes the optional nasscom assessment where offered. Final pricing on your college's quotation.

DESIGNED BY

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