Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur

Faculty Kit

Objective :

The objective of this Faculty Kit is to provide a standardized framework for evaluating the "Online Skill Test Platform" project. It outlines specific criteria and checkpoints for each project milestone, ensuring a fair, consistent, and comprehensive assessment. The kit also serves as a reference for both faculty and students to align on expectations regarding documentation, technical implementation, presentation, and overall project quality.

Evaluation Strategy for Project Milestones

1. Requirements Specification

Objective: Assess clarity, completeness, and understanding of project goals.

Key Evaluation Points:

- Well-defined problem and proposed solution
- Sector-specific skill assessment clearly described
- Target users and functionality clearly outlined
- Professional documentation and formatting (as per template)

2. Technology Familiarization

Evaluation Method:

- Team presentation on Django (backend), HTML/CSS (frontend), and SQLite (database)

Optional quiz covering:

- Django: views, models, admin interface
- HTML/CSS structure, responsiveness
- SQLite data handling
- Understanding of adaptive test systems

3. Database Creation

Document should include:

- Schema for users, questions, exams, scores, sectors
- Data normalization

- Estimation of test records and size
- Plans for backups or data exports

4. High-Level and Detailed Design

Evaluation via design document or viva:

- Flowcharts for login, test taking, admin management
- Pseudocode for adaptive testing
- Discussion of alternate UI/UX and DB approaches
- Handling downtime or data errors
- Design scalability for future sectors and AI features

5. Frontend Implementation

Demo expectations:

- User login, teacher login, and admin dashboard
- User interface that is intuitive and visually clean
- Feedback forms and instant result displays
- Error validation and guided prompts during registration and tests

6. Backend Integration

System demo should validate:

- End-to-end data flow (registration → test → result → certificate)
- Creation and management of test sets
- SQLite database interaction from UI
- No major crashes; handles failed logins, missing fields gracefully

7. Test Plan Review

Submit plan including:

- Manual and functional test cases
- Sector/test-wise input validation (e.g., missing answers, timer expiry)
- Admin test: upload exam, generate scores
- Stress test: simultaneous test submissions

8. Final Review

Final evaluation based on:

- Live demo of complete project
- Final report quality (refer to Midsem Template structure)
- Student confidence and ability to answer technical queries
- Code walkthrough (optional)

Useful Resources

Django: https://docs.djangoproject.com

SQLite: https://www.sqlite.org/docs.html

HTML/CSS Basics: https://developer.mozilla.org/en-US/docs/Web