Notice: Project-Based Learning (PBL) Implementation – 3rd & 5th Semesters

Date: 19-07-2025

The Department of Computer Science & Engineering is implementing **Project-Based Learning (PBL)** for students of **3rd and 5th semesters**. This initiative aims to enhance **practical understanding and application** of core subjects through real-world projects.

Subjects with PBL Implementation

3rd Semester

(TCS-302 – Data Structures with C)

Discipline-Specific Electives (DSE):

- Fundamentals of Cloud Computing and Big Data
- Introduction to Cryptography
- Python Programming
- Information Security Foundations
- Probability and Random Processes

5th Semester

- Operating Systems
- Database Management Systems

Group Formation Guidelines

- Each group should consist of **3–4 members** from <mark>different sections</mark> (for **Discipline-Specific Electives**, students can be from the same section).
- A **Team Leader** must be selected who will fill out the group formation form on behalf of the group. The link to the form will be shared soon.
- Groups can vary **across different subjects**.

Modalities of PBL Implementation

Project Allotment

- Faculty Mentors will be assigned to each group.
- Groups must coordinate with their mentors via official communication channels.
- After ideation and discussion, the mentor must approve the proposed project.
- Upon approval, the group will submit the **Project Proposal (Milestone-1)**.
- **Deadlines** and **submission formats** for each milestone will be shared in due course.

Mentorship & Checkpoints

- Weekly **2-hour mentorship sessions** will be scheduled.
- Mentors will guide teams and review progress at **regular intervals**.

Phases of Evaluation

1. **Problem Statement Finalization** (in consultation with the mentor)
2. **1st Evaluation:** Proposal and Design Review
3. **2nd Evaluation:** Progress Report, Deployment, and Demonstration
4. **Final Evaluation:** Final Jury Presentation and Report Submission

Important Notes

- Platform for submission: **GitLab** or **Gradescope**
- **Group formation is mandatory** for each subject with PBL.
- All students must participate actively and maintain regular coordination with mentors.