<div align="center">**LEARNATHON Skill Development Course (SDC)**</div>

Subject: Conduction of JFSD/PFSD/MSWD Skill Development Course LEARNATHON by Department of EL & GE in association with CSE & Allied Branches as part of Pre-SAMYAK
Reference: Orders of the Hon'ble Vice-Chancellor dt. 28-09-2024

1. Introduction

The Department of EL & GE, in association with the Department of CSE and its allied branches, is organizing a comprehensive Skill Development Course (SDC) LEARNATHON as part of the Pre-SAMYAK initiative. The event is set to take place on **1st October 2024** (PFSD/MSWD courses) and **3rd October 2024** (JFSD course). This initiative will focus on nurturing technical proficiency and hands-on experience in emerging technologies.

2. Objectives of the LEARNATHON

- **Enhancement of Technical Skills**: Focus on Python Full Stack Development with Django, MERN Stack Web Development, and Java Full Stack Development with Spring Boot and Microservices.
- **Application of Knowledge**: Allow students to work on real-time projects, solving industry-standard problem statements.
- **Mentorship and Feedback**: Provide continuous guidance and reviews from faculty and industry mentors to ensure quality project execution.
- **Industry Exposure**: Incorporate expert reviews from industry professionals who will offer recommendations for improvement and assess the final prototypes.

3. Event Details

- **Dates**:
  - **1st October 2024**: PFSD/MSWD Skill Development Course
  - **3rd October 2024**: JFSD Skill Development Course
- **Venue**: [Insert Venue Details]
- **Participants**:
  - **Total Participants**: 4500 students from Y22 and Y23 batches
  - **Courses**: PFSD, MSWD, JFSD
  - **Mentors and Experts**: 300 technical mentors, faculty members, and industry experts

4. Course Breakdown

- **Python Full Stack Development (PFSD)**:
  - Focus on Django framework.
  - Real-world projects related to API development, database integration, and cloud deployment.
- **MERN Stack Web Development (MSWD)**:
  - Application of MongoDB, Express.js, React, and Node.js for building dynamic web applications.
  - Key projects involve e-commerce systems, real-time communication platforms, and AI-powered apps.
- **Java Full Stack Development (JFSD)**:

o   Hands-on training with Spring Boot and Microservices.
o   Projects include scalable enterprise applications, microservices architecture, and cloud-native solutions.

5. Project Management and Evaluation

- **Project Problem Statements**: 50 problem statements have been designed based on industry needs and real-time challenges.
- **Mentorship**: Each team of students will be assigned to an expert mentor, who will provide guidance throughout the Learnathon. The mentors will review the progress, provide feedback, and ensure the quality of the projects.
- **Evaluation Process**:
    o   Mid-Learnathon reviews by the assigned mentors and faculty.
    o   Final evaluation by industry experts during the Hackathon at the end of the semester.
    o   Marks from the Learnathon will contribute to the Continuous Project Evaluation component of the curriculum.

6. Role of IQAC

The IQAC plays a crucial role in ensuring the quality of the event by:

- Monitoring the organization of the Learnathon, ensuring that all quality benchmarks for skill development courses are adhered to.
- Coordinating with the Department of EL & GE and the Department of CSE to ensure the event runs smoothly and the learning outcomes are met.
- Documenting the event process and results for future reference and accreditation purposes.

7. Expected Outcomes

- **Skill Enhancement**: All students participating in the Learnathon will have developed significant hands-on experience in full-stack development technologies, enhancing their employability and project execution skills.
- **Industry Engagement**: Students will receive invaluable feedback from industry professionals, helping them align their projects with industry standards and expectations.
- **Continuous Learning and Feedback**: The iterative process of mentorship, feedback, and evaluation will ensure students gain a deep understanding of the project lifecycle and continuous improvement practices.

8. Conclusion

The LEARNATHON SDC is an important initiative by the Department of EL & GE and CSE that aligns with the IQAC's goal of promoting excellence in skill development and bridging the gap between academia and industry. This event will significantly contribute to students' academic and professional growth while upholding the institution's commitment to quality education.

9. Attachments

1. Full-stack technology overview document.
2. List of projects and problem statements for the Learnathon.
3. Schedule of events.

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