From the HOD's Desk
Department of Computer Engineering

Subject: Innovative Oral/ Practical ESE Methodology – Festival of Examination

Dear Students,

As part of our continuous efforts to enhance learning outcomes and align our evaluation methods with real-world engineering challenges, we are introducing a **new, dynamic approach** to conducting practical/oral ESE for UG Computer Engineering students.

Why This Change?

Traditional viva exams often focus on theoretical recall, which limits the opportunity for students to demonstrate **applied knowledge, creativity, and problem-solving skills**. This new methodology encourages you to:

- **Integrate concepts from multiple courses** of the semester.
- **Present your work on problem-based learning experiments and other industry-relevant problems.**
- **Demonstrate your prototyping and critical thinking skills.**
- **Present your thoughts on recent developments and problem areas related to courses of the semester for real-world technical discussions with industry and subject experts.**

Guidelines for the New Oral/Practical ESE Format

You may choose **one or multiple** of the following formats, ensuring it connects to **all courses** from the current semester:

- **Mini-Project**.
- **Real-World Problem Solution**.
- **Research Presentation**.
- **Technical Poster/ Slide Presentation.**
- **Case Study Analysis**.
- **Simulation/Demo**.
- **GitHub/Code Walkthrough**

✅ **Do:**

- Clearly **link your work to course concepts**.
- **Prepare for cross-disciplinary questions**.

- **Use visual/technical aids**.

❌ **Avoid:**

- Overly broad topics (e.g., "All of AI")—focus on a **specific problem**.
- Last-minute study/work; this is about **depth, not just completion**.
- Ignoring feedback—this is a **learning experience, not just an exam!**

Benefits of This Approach

1. **Bridges Theory & Practice:** Apply classroom knowledge to **real-world scenarios**.
2. **Encourages Integral Thinking:** Combine concepts from multiple courses.
3. **Builds Career-Ready Skills:** Develop **presentation, prototyping, and problem-solving abilities** valued in placements.
4. **Reduces Exam Stress:** Focuses on **understanding rather than memorization**.
5. **Fosters Innovation:** Rewards **creativity and initiative**—exceptional work may even lead to publication or incubation!

Note!!

This is your chance to **think like an engineer, not just a student**. We encourage you to:

- **Start early.**
- **Seek guidance from faculty.**
- **Treat this as a portfolio piece for internships/jobs.**

Let's make learning **more engaging, practical, and impactful** together!

Best regards,
Dr. Ravindra Sangle
Head of Department
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P.S. Need topic ideas or mentorship? Reach out to your faculty—we're here to help!