D.8 Efforts to Encourage Students to participate in National and International Competitions

Identifying student strengths is valuable processes that can help educators tailor their teaching methods to better support individual students. Here is a general procedure to identify student strengths:

1. **Regular Observation**:
   - Observe students during various activities, both inside and outside the classroom.
   - Pay attention to how they engage with different subjects, tasks, and group activities.
2. **Assessment Tools**:
   - Use a variety of assessment tools to gauge students' abilities in different areas. This may include standardized tests, quizzes, project assessments, and self-assessments.
3. **Flexible Teaching Strategies**:
   - Adapt teaching strategies to accommodate different learning styles and strengths.
   - Provide opportunities for students to demonstrate their understanding and skills in various ways (e.g., presentations, projects, discussions).
4. **Co-curricular/ extracurricular activities**:
   - Encourage participation in co-curricular/ extracurricular activities such as clubs (CSI, IEEE, Google, Hacker Rank etc.) , sports , NSS and NCC, where students can showcase and develop their strengths.
   - Monitor their progress regularly and increase their confidence level in these activities.
   - Motivate the students to increase the participation in club activities.
5. **Value Added Courses/ product design classes**:
   - Engaging in value-added courses and product design classes can significantly enhance your skills and knowledge in the field.
   - Organizing one Value added course for 30 hours in a semester on emerging Technologies.
6. Encourage students to develop Hardware projects/ summer internship/ Go carting and provide extend support financially.
7. Conduct workshops/competitions in collaboration with industries under MoUs.
8. **IIC Activities**: IICs encourage students to explore and develop innovative ideas. This cell conducts workshops, seminars, and training programs on entrepreneurship and innovation.

- Incubation Support: Providing support for incubation of startup ideas. Which involve offering physical space, mentorship, and resources to help students turn their ideas into viable businesses?
- Skill Development Programs: Conducting skill development programs related to emerging technologies, design thinking, and other relevant areas to enhance the employability of students.
- Innovation Festivals and Events: Hosting events and festivals that showcase innovative projects, research, and ideas. This provides a platform for students to present their work and fosters a culture of innovation on campus.

Summary of the Events Conducted During Academic Year 2024-25:

SI. No	Department Name	Title of the Event	Event Dates From	Event Dates To	Event Types	No of Participants	Resource Person/Guest with Affiliation if any
1	Computer Engineering	Innovation Start-Up, IPR & Funding	27/07/2024	31/07/2024	Technical	All Staff	Prof.Suryakant Rajaram Dodmise
2	Computer Engineering	Workshop On core Java Programming	02/10/2024	06/10/2024	Technical	59	Mr. Nitin Taware
3	Computer Engineering	Workshop on Front -end & Database Connectivity	16/10/2024	20/10/2024	Technical	70	Mr.Rupesh Gantire
4	Computer Engineering	Workshop On Angular JS	14/11/2024	18/11/2024	Technical	70	Mr. Nitin Taware
5	Computer Engineering	Workshop On React JS	28/11/2024	02/12/2024	Technical	70	Mr Nitin Taware
6	E& TC Engineering	Python Programming	23/10/2024	27/10/2024	Technical	30	Mr. Aniket Thorave

7	AI & DS Engineering	AI Conclave	29/03/2025	29/03/2025	Technical	36	Prof.- Pradip N. Shendage
8	AI & DS Engineering	Quiz on Java	29/03/2025	29/03/2025	Technical	28	NA
9	AI & DS Engineering	Poster Presentation	29/03/2025	29/03/2025	Technical -	07	Prof.- B.M.Tupe

Sample Event Proofs:

Event 1: "Innovation   Start-Up, IPR & Funding"

Date: 27.07.2024 to 31.01.2024 Timings: 9.00AM to 04.00PM Organized by college of Engineering,Phaltan.

Resource Persons:

1. Prof.Suryakant Rajaram Dodmise

Objective: To understand the concept of innovation and its role in solving real-world problems and creating value.

To develop awareness about start-ups, their lifecycle, business models, and entrepreneurial ecosystem.

To encourage entrepreneurial thinking among students and professionals for self-employment and job creation.

To understand Intellectual Property Rights (IPR) such as patents, copyrights, trademarks, and designs.

To recognize the importance of IPR protection in safeguarding innovations and promoting commercialization.

To familiarize learners with start-up funding mechanisms, including bootstrapping, angel investors, venture capital, and government schemes.

To understand the process of raising funds and preparing pitch decks and business plans.

Sample Photos:

Event 2: "Workshop On core Java Programming"

Date: 02.10.2024 to 06.10.2024 Timings: 9.00AM to 04.00PM Organized by college of Engineering,Phaltan.

Resource Persons:

1. Mr. Nitin Taware

Objective:

To introduce the fundamentals of Java programming, including syntax, data types, operators, and control statements.

To develop a strong understanding of Object-Oriented Programming (OOP) concepts such as classes, objects, inheritance, polymorphism, abstraction, and encapsulation.

To provide hands-on experience in writing, compiling, and executing Java programs.

To understand exception handling and multithreading for building robust applications.

To familiarize participants with Java packages, interfaces, and access modifiers.

To introduce Java input/output streams and basic file handling.

To enhance problem-solving skills using Java programming constructs.
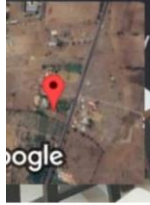
Event 3: "AI Conclave"

Description:

AI Conclave is about how we put our topic related to AI, Knowledge, sense of humor, presentation in front of the public. They see the way we present it and our style of presenting the paper. The language we present the topic in. Technical presentations serve engineering, scientific and high tech purposes, describing advances in technology, problem resolution, and product design, project status. So this event was conducted in Kurukshetra-2K25.

Goals:-

- To create awareness about the latest updates in the field of AI.

- To encourage those students who have shown excellence in academics.

- To provide an opportunity for students conducting original scientific investigations to present their work publicly.