

Activity: "Innovative Teaching Learning Pedagogy"

Date & Day: 25/3/2025 Tuesday

Activity Name: Cross word for Routh stability criteria

Subject : Control System Engineering

Venue: Class Room

Activity conducted by: Mrs Ekta Mishra

Objectives:

- To enhance the understanding of Routh-Hurwitz Stability Criterion through an interactive learning approach.
- To reinforce key concepts related to system stability in control systems engineering.
- To encourage problem-solving and critical thinking in determining system stability.

Photographs:



Outcome:

- Students will be able to construct and analyze a Routh array to determine system stability.
- Improved ability to identify and interpret the **number of unstable poles** using the first column of the Routh array.

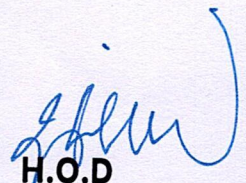
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Course coordinator

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Mapping of POs and PSOs with Justification:

POs and PSOs Mapped	Justification
PO9: Individual and Team Work	Encouraging collaborative learning through an engaging, gamified approach to solving stability-related problems.
PO12: Life-long Learning	Enhancing conceptual understanding of stability analysis, which is essential for advanced control system studies and future applications in automation, robotics, and power systems.
PSO1:	Apply technical and logical skills for modeling, simulating as well as analyzing electrical systems.
PSO2:	Design and Develop innovative systems in electrical engineering to improve sustainability.
PSO3:	Apply the concepts of electrical engineering in a multidisciplinary domain.

**Course coordinator****DAC****H.O.D**