

learning, where students worked in small groups to tackle real-world circuit problems and network analysis scenarios.



Faculty, in this approach, played a more facilitative role, guiding the students through complex problems, encouraging peer learning, and providing immediate clarification on doubts. Students were also encouraged to experiment with the theoretical concepts through practical exercises, such as solving circuit problems on the board, discussing different methods of circuit analysis, and exploring real-world applications of network theorems. The classroom environment was dynamic, with interactive discussions, where students not only applied their knowledge but also learned from each other's insights and approaches. This method helped build critical thinking skills, as students were tasked with finding solutions and justifying their choices based on the concepts they had reviewed.

Conclusion

The flipped classroom model for EET 301 Power systems I proved to be a successful and innovative teaching method. It shifted the focus from passive learning to active engagement, with students being more involved in discussions, problem-solving, and applying theoretical concepts in real-time. The approach not only enhanced student participation but also allowed for immediate feedback and clarification, making learning more effective. Overall, the flipped

classroom model has shown significant benefits in improving student engagement and learning outcomes in the course.

Name and signature of faculty

Name and signature of HOD