

Innovations by the Faculty in Teaching and Learning

Following are the best and innovative practices undertaken by the faculty members for improving teaching and learning experience.

- **Flip Learning:** Flip learning gives the teacher a better opportunity to deal with mixed levels, student difficulties, and differentiated learning preferences during in-class time. Our faculty members use the following tools for flip learning:
 - Video lectures
 - Group discussion
 - Teacher-student interaction (Mentor-mentee concept)
- **Video Lectures:** Our faculty members recorded many course related as well as interdisciplinary video lectures through their YouTube channel to give students better understanding about engineering concepts. Faculty members also recorded video lectures at AKTU campus studio which are telecasted on Swayam Prabha channel no. 15.

Faculty member	Faculty ID (AKTU)	Topics of Video Lectures	Links of Video Lectures for respective Topics
Dr Shashidhar Tadiyani	6843826158 58	Analog Integrated Circuits	1. https://youtu.be/7vofuZByCkc 2. https://youtu.be/MlneS0u4U3I
Narain Kumar Pandey	7942283770 32	Microcontroller for Embedded System	1. https://youtu.be/CCJupfM0Ugw 2. https://youtu.be/NM9wagz3lok 3. https://youtu.be/qJ3Mv7MvUdU 4. https://youtu.be/McyR0P9UEEA
Kalyan Krishna Aravathi	4340235186 93	Network Analysis and Synthesis, Signals and Systems	1. Network Analysis and Synthesis (EASHC ELECTRICAE, TRANSFERRING CONCEPTS): https://www.youtube.com/playlist?list=PLX0LadD9WNA3KuewZG3AklFvstbGkTt 2. Signals and Systems: https://www.youtube.com/playlist?list=PLX0LadD9WNA3KuewZG3AklFvstbGkTt
		Shannon Coding, Shannon's Theorem, Measure of Information,	https://youtu.be/U2cAJXKaufo https://youtu.be/G0C7YQaG2ak https://youtu.be/3_gv0KzG8w0 https://youtu.be/71uagbaFv8k
Dr. Adhinarayn Kumar Yadav	2127334072 89	Machine Learning	https://www.youtube.com/watch?v=AGMkapsTgPg https://www.youtube.com/watch?v=YadYozfY_8 https://www.youtube.com/watch?v=gag2S0K5-B4