PSCMR COLLEGE OF ENGINEERING AND TECHNOLOGY
Department Of Electronics And Communication Engineering

Innovative Teaching Methods

2024-25

S.NO	NAME OF THE FACULTY	NAME OF THE COURSE	OBJECTIVE	ONLINE LINK
1				

2023-24

S.NO	NAME OF THE FACULTY	NAME OF THE COURSE	OBJECTIVE	ONLINE LINK
1	Shaik Mahaboob Subani	Microprocessor and Microcontroller	1. By implementing Project-Based Learning in electronic engineering courses, educators can create meaningful learning experiences that prepare students for the complexities of the modern engineering profession while fostering creativity, critical thinking, and collaboration. 2. Through hands-on exploration, collaboration, and inquiry, students develop deep understanding of concepts and skills across disciplines, fostering critical thinking, creativity, and problem solving abilities	https://drive.google.com/file/d/1e9yCelZJVEqzI0yl72TZJTKrnWJwoDp0/view?usp=sharing
2	V.L. Satyanarayana	Signals and Systems	to bridge the gap between theoretical learning and practical application by leveraging simulation tools.	https://drive.google.com/file/d/1i0poQ2BfDpXP6aJThcAHA3Kmr_TqaM5Q/view?usp=sharing
3	Mr VSRK Prasad	Introduction	To provide a	https://drive.

		to Internet of Things (IoT)	**multidisciplinary learning experience by teaching IoT with applications and examples drawn from Electronics, Computer Science, Agriculture, and Environmental Engineering. The approach helps students understand how IoT technologies integrate various domains, promoting innovation and real-world problem-solving.**	**google.com/file/d/17X6eY3ryHnUKAjeDS6_SCIO4y7EsPiSw/view?usp=sharing**
4	**Smt. Munira Begum**	**Soft Skills**	**The objective of this method is to strengthen the academic and professional foundation of students through personalized mentorship. It aims to guide students in competitive exam preparation, technical competitions, research article writing, and conference participation. This approach helps students define clear career goals and supports their journey toward higher education, placements, and innovation-driven learning.**	**https://drive.google.com/file/d/17vDIxHEwPrsHEz6mtGBp1Oj-D_erdriJ/view?usp=sharing**

2022-23

S.NO	NAME OF THE FACULTY	NAME OF THE COURSE	OBJECTIVE	ONLINE LINK
1	**K.Raghavendra rao**	**Electronic Devices and Circuits**	**To promote deeper understanding, confidence, and communication skills by assigning students the role of a teacher for a specific topic.**	**https://drive.google.com/file/d/1j9mXetx0siMho-KcAE9AGMjwao2kxKBu/view?usp=sharing**
2	**T Sikhamani**	**Embedded Systems**	**Objective of the Method: The primary objective of Industry-Centric Training Modules is to align student**	**https://drive.google.com/file/d/1oJA1-sOXb6XJPxJ_f**

			skills with current and future industry requirements. By introducing students to real-time tools, technologies, and industrial expectations, this method prepares them to be job-ready and encourages innovation and employability. It also fosters collaboration with industry professionals to provide meaningful and practical exposure.	QIBqNpMwjd_csMK/view?usp=sharing
3	N Siva Govind	VLSI Design	The objective of this method is to enhance the teaching-learning process in the subject of VLSI Design by integrating traditional classroom teaching with online resources such as NPTEL, Coursera, and IEEE Xplore. This approach allows students to explore complex design concepts, fabrication processes, and simulation techniques through expert lectures and real-time case studies.	https://drive.google.com/file/d/1E6UQ2zxgzcpzmK999u9Q6TQUWp8_ush0/view?usp=sharing

2021-22

S.NO	NAME OF THE FACULTY	NAME OF THE COURSE	OBJECTIVE	ONLINE LINK
1	R. Durga Bhavani	Digital Signal Processing (DSP)	The main objective of using advanced simulation tools in Digital Signal Processing is to strengthen students' understanding of discrete-time signal behavior, filter design, and frequency domain analysis through practical simulation exercises. By integrating tools like MATLAB, Python (SciPy, NumPy), and DSP System Toolbox, students are introduced to	https://drive.google.com/file/d/1_SfhwxiyMime9mb5PsoCLBL946tHtUpr/view?usp=sharing

			industry-relevant tools for analyzing and designing signal processing algorithms, enhancing both theoretical and application knowledge.	

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1	A V Kiranmai	Digital Image Processing	To create their own learning.	https://docs.google.com/document/d/17dy3fXZhVKDlnJZwNTUdZBgHpuNRJwJI/edit?usp=sharing&ouid=108754597446022909337&rtpof=true&sd=true
2	Mr.LEELA SATYANARAYANA V	Digital Signal Processing	1. To give your Student a chance to (almost) forget before he or she revists the material. 2. When your Student uses spaced learning, the material is able to make its way into his or her long-term memory instead.	https://docs.google.com/document/d/1vps9t8hRmdCPNMmHP3rifUYFIbRvvIR-/edit?usp=sharing&ouid=108754597446022909337&rtpof=true&sd=true
3	Ms.R.DurgaBhavani	EMI	1. To make the classroom an active learning environment. 2. To enable students to learn at their own pace. 3. To give the instructor more time to teach each student individually, rather than the class as a whole**.**	https://docs.google.com/document/d/1B9PPY6OLahnp9AdB3IkZbBBOYJe91UjF/edit?usp=sharing&ouid=108754597446022909337&rtpof=true&sd=true
4	Mr.SK.Chinna baji	Linear IC Applications	1. This allows students to formulate their own understanding based on research and questions. 2. Students also get an opportunity to present what they have learnt to the group, and can reflect on what was successful and what needed more attention. .	https://docs.google.com/document/d/1_tLmYfkGESNlG6c-tyyxCTTovnaIXHjy/edit?usp=sharing&ouid=108754597446022909337&rtpof=true&sd=true

5	K Sundar Srinivas	Pulse and Digital Circuits	1.To develop student as a good speaker 2.To involve them to prepare concept	https://docs.google.com/document/d/1-Ke79dgCZH9urbihUKeyuADbiHRyzOuF/edit?usp=sharing&ouid=108754597446022909337&rtpof=true&sd=true
6	DUKKA GOWTHAMI	Random Variables and Stochastic Process	1.To make the classroom an active learning environment. 2.To enable students to learn at their own pace, and 3.To give the instructor more time to teach each student individually, rather than the class as a whole.	https://docs.google.com/document/d/1vNfMmHenlS-Fx_0Eb3Kw-Vik-u52tnpc/edit?usp=sharing&ouid=108754597446022909337&rtpof=true&sd=true
7	Mr.LEELA SATYANARAYANA V	Signals and Systems	1. To give your Student a chance to (almost) forget before he or she revists the material. 2. When your Student uses spaced learning, thematerial is able to make its way into his or her long-term memory instead.	https://docs.google.com/document/d/15mpHaPQw8cA_i7kdU8a90D77cZaWAIBn/edit?usp=sharing&ouid=108754597446022909337&rtpof=true&sd=true
8	G.M.G.Madhuri	System Design through Verilog	To understand looping and conditional statements, encourage innovation.	https://docs.google.com/document/d/1DAF6imMFd2cRlvldkQzKTjT7pkzmqBly/edit?usp=sharing&ouid=108754597446022909337&rtpof=true&sd=true
9	Mr.N.SIVA GOVIND	Digital IC Applications	1. To make the classroom an active learning environment. 2. To enable students to learn at their own pace. 3. To give the instructor more time to teach each student individually, rather than the class as a whole.	https://docs.google.com/document/d/1-LyUQieCyg0ef1PhY-aVg769miJeU1jY/edit?usp=sharing&ouid=108754597446022909337&rtpof=true&sd=true

10	B.Anitha	EDC	To provide faculty with meaningful feedback that will help the faculty member set goals and take steps toward improving teaching abilities	https://docs.google.com/document/d/1YfDTTsy2cTbZLbbmFE4dNOx-sJepDVfH/edit?usp=sharing&ouid=108754597446022909337&rtpof=true&sd=true