



Sr. No.	Semester & Year	Course name Course code Sem./ Faculty	Activity title	Students undergone activity	Activ	vity details in brief	Attached document as proof
1	2022-23 Odd Sem.	Wireless Ad Hoc Sensor Networks (Professional	1) 3 MALAB On Ramp Certification Courses on Wireless Communications On Ramp		•	ses and Link uploading Students had to upload the certification course	1) All 3 certification course combined Activity Report MS Word
		Elective) 18EC754 Sem VII	Introduction to Linear Algebra with MATLAB	32	10 points	MATLAB certificate link in google	Report – MS Word 2) CIE Excel sheet with highlighted
		Dr. Saurav Mitra	Optimization On Ramp	33	5 points	classroom and in their LinkedIn account	activity points for all 34 students
	2022-23 Even Sem.		1) 5 MALAB On Ramp Certification Courses on Control Design On Ramp with Simulink			arks is assigned after ses and Link uploading Students uploaded the certification course	1) All 5 certification course combined Activity Report – MS Word 2) CIE Excel sheet with highlighted activity points for all 42 students
			Power Electronics Simulation On Ramp Simscape On Ramp	42	3 points 4 points	MATLAB certificate links in google	
2			Simulink fundamentals Simulink On Ramp	42	8 points 2 points	classroom and in their LinkedIn account	
		Sem VI	2)Tata Motors Internship 1 3)Tata Motors Internship 2	20 18	60 Hrs. int	ernship, after college	Reports attached Students got selected in
		Dr. Saurav Mitra	4) Industry visit 1 5) Industry visit 2	20 18	Tata Motor	rs Manikbag Centre	Mercedes Benz, KPIT, Daimler Truck etc.
			6) IPPAI NETT Zero SpeakFest at Belgundi	18		ners with Rs 5000/- Prize nextempore competition – r	•





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	2023-24 Odd Sem.	Signals and Systems	1) 5 MALAB On Ramp Certification Courses on Signal Processing Linear Algebra Choice On Ramp		activity marks is assigned after n of 3 courses and Link uploading Students uploaded the certification course MATLAB	1) All certification course combined Activity Report – 2) CIE Excel sheet with activity
		(Core Course)	ML, DL, Image Proc.	58	certificate links in google classroom and in LinkedIn	points for all 67 students
		22EC34 Sem III Dr. S. Mitr a	2) Course Activity PPT & Presentation	12	6 students presented activity PPT in GIT. Attended paper competition in Davanagere College of Engg.	Won first prizes in paper presentation competition
3		Prof. Jyothi BR Dr. Pandurangi	3) IITB Spoken Tutorial Course in SS	183	Students listened through the course videos and finally attended exam	Topper Shubham K.88.89% Report attached
			4) Industry expert lecture	78	Mr. Renjith from GE was invited	Report attached
		Modern Electric, Hybrid, and Fuel Cell Based Vehicles (Open Elective) 21EC553 - Sem V Dr. Saurav Mitra	5) Course Activity Presentation – 2 in a Group – any branch	79	All the students prepared PPT on the given topic from vehicular domain – from their engineering background	Excellent response from all students, Improved their presentation skill





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	2023-24 Even Sem.		1) Expert lecture conducted by MathWorks Expert Dr. Debanand S.	60	Digital twin preparation using MATLAB and SIMULINK, system modeling and related studies and resources was discussed by expert	Good response received from the students. Report attached
4			2) MATLAB webinar series – first session on 1/6/2024 on Being Industry Ready with System Modeling Skills	251 GIT students and faculties	Arul Selvan, Pradnya G. Niveitha M. from MATLAB conducted 3 hours session on Industry Readiness of the students with System Modeling Skills	Certificate attached for Dr. Mitra. Students and faculties responded well.
			3) 3 MALAB On Ramp Certification Courses on	Total 20 activity marks is assigned after completion of 3 courses and Link uploading		1) All certification course combined
			Control Design on Ramp with Simulink	191	Students uploaded the certification course MATLAB 2) CIE Excertificate links in google + activity	Activity Report – 2) CIE Excel sheet
			Simscape On Ramp	186		+ activity points
			Simulink On Ramp	186	classroom and in LinkedIn	for 67 students
		Digital Signal Processing	1) 2 MALAB On Ramp Certification Courses on		vity marks is assigned after of 3 courses and Link uploading	
5	2024-25 Odd Sem.	(Core Course) 22EC53 Sem V Pr. Vishwesh Dr. S. Mitra Dr. Anupama	MATLAB Fundamentals – 16 hours course	201	Students uploaded the certification course MATLAB certificate links in google classroom and in LinkedIn	1) All certification course combined Activity Report





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	2024-25 Odd Sem.	Digital Signal Processing (Core Course) 22EC53 Sem V Pr. Vishwesh Dr. S. Mitra	Filter Design and Analysis Methods On Ramp – 2 hours course 2) Expert lecture conducted by Dr. Bhushan Patil, DSP Expert	186	Students uploaded the certification course MATLAB certificate links in google classroom and in LinkedIn Topics were discussed related to material processing (MMSP) from multiple speech, audio, images, text etc. Co	media types - empression: Fast,
5		RMIPR (Core Course) 22AECEC56 Sem V Dr. Uttam D. Dr. S. Mitra Dr. Sagar. S.	3) 2 MALAB On Ramp Certification Courses on 4) 1 week online FDP on Data analytics & Visua- lization, by PANTECH 5) Course Activity PPT & Presentation	Data with M 2 students ha	efficient, reliable transmission & stata analytics Tech (68 No.), Explore ATLAB Plots (68 No.) certificates ad completed this paid course and e completion certificates Students selected 3 latest research prom good journals (5 marks). Ther presented them in group (15 marks) few groups attached as activity reports	All certification course combined Activity Report papers in the field prepared PPT and pactivity PPT for
6	2024-25 Even Sem. Current Semester	Control Systems (Core Course) 22EC43 Sem IV Dr. S. Mitra Prof. Deepak Dr. Jyothi BR Prof. Nikhil I. Dr. PVG	1) 2 MALAB On Ramp Certification Courses on a) Control Design On Ramp with Simulink & b) Introduction to Motor Controlled are given to students	a) 11 completed b) 5 completed	Deadline for completion of the certification courses are in the month of May 2025. Few students have completed the certifications.	Intermediate report attached with notices and certificates for the two courses.





Event Based Innovative Teaching Practices at ECE Depart. (Some More Reports) – Prepared by Dr. Saurav Mitra

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1	Odd 2024-25	Design Thinking Prof. Pratijnya SA	Participation In Avalanche	Students participated in Paper Presentation and Idea Pitching. Names - Sushmita Patil, Supriya Guranalli and Prarthana Nashi. Won the 4th position & Cash prize in Sharp Tank competition.	Report attached
2		22EC51 Activity Based Learning Prof. Pratijnya SA	Debate, group discussion and industry visit, poster presentation were organized by the faculty	Students participated at Poster Presentation At BLDEACET, Bagalkot depicting their time management, teamwork and soft skills.	Report attached
3		Dr. Anil Gavade	Research Based Project Activity	This research project focuses on leveraging Artificial Intelligence techniques to analyse climate change patterns and their impact on coral reef ecosystems. The study aims to provide valuable insights for environmental sustainability & conservation efforts.	Report attached
4		22AECEC56 RMIPR Dr. Sagar Santaji	Activity based learning on 13/12/2024 &18/12/2024	Students groups were given to carry out research and analyse functioning of the Coffee shop of GIT, Placement process at GIT & cultural fest "Aura"	Report attached
5		Dr. Bhagyashri Pandurangi	Industry Interaction Impact Analysis – Cybersecurity Based Research – 24/10/2024	Collaboration with Harman International - HARMAN International is a global leader in connected car technology, lifestyle audio innovations, design and analytics, cloud services and IoT solutions. HARMAN offers a line of cybersecurity solutions that protect the vehicle and passengers alike as they become more connected than ever before	Report attached





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6		Dr. Vikrant Shende	Role Play Activity 22EC542, Sem V Operating Systems Shortest Job First	The Role Play activity was based on FIRST COME FIRST SERVE [FCFS] "First come, first served" (FCFS) is a principle or method where the first person or entity to request or arrive at something gets priority over others.	Report attached
7			Role Play Activity 22EC542, Sem V Operating Systems Priority Scheduling	Priority Scheduling is a CPU scheduling algorithm that selects the process to execute based on its priority. Processes are assigned a priority value, and the CPU is allocated to the process with the highest priority.	Report attached
8	Odd 2024-25	Prof. Sneha Nargundkar 21EC36	Course seminars for 12 groups in Constitution of India course – for A, B, C Divisions students on 6/1/2023	Seminars were conducted during regular lecture hours starting from 16 th January 2023 followed by the skits. This activity was considered towards 2 nd assignment. Groups having seminars have to prepare the ppts and present in class. PPTs were uploaded in Google classroom.	Report attached
9		Skill Development Courses for Sem III & V Students	In Odd 2024-25 sem, the courses were conducted for ECE GIT students	All the students of sem III and sem V had gone through the skill development courses. For each class, the event was conducted for one week.	Detailed Report attached
10		Certification Course	Conducted in Even 2023-24 & Odd 2024-25 sem, by ECE faculties	Paid course for GIT students. Special courses and topics other than regular syllabus topics were taught.	Report attached

Sawran Mitra

Consolidated Report Prepared by Dr. Saurav Mitra (Professor ECE, KLS GIT)

HOD ECE KLS GIT Dr. Supriya S. Shanbhag