

Innovations Adapted by Faculty in Teaching & Learning Process

Sr. No	Name of the Faculty Member	Name of the course/s	Link for Above course Gnomio web site	Activities conducted
1	Ms. Mrunalini Buradkar	Adv. Digital Circuit Design, Digital communication	https://mrunaliniburadkar.gnomio.com/course/view.php?id=8	1. International Real-time FPGA Laboratory, Spain. 2. Online Lab assignment performance, Playground 3. Program outcome Targeted activity Innovative FPGA based IEEE paper. 4. Program outcome targeted activity: Minute Paper. 5. Program outcome targeted activity: Job Survey. 6. Program outcome targeted activity: Industry Survey. 7. Tinkering Puzzles. 8. Interview taken for Project Group by Industry Project Mentor, Analog Brains . 9. Practical Demonstrations - Virtual Labs. 10. Demonstration on silicon tool
2	Prof. Shiju Samuel	Optical Communication, Satellite Communication, Digital Image Processing	1. Website: ssamuel.gnomio.com 2. channel : https://www.youtube.com/channel/UCmz2hb9dPA-xhf5-Fkf9Ew	1. Course (Digital Image Processing & Satellite Communication) quiz exam taken for 8th semester students 2019-20 academic year (Even sem. 2. Prerequisite taken for 7th & 3rd Semester student. 3. Course materials provided for Optical Communication 7th Semester. 4. Weekly quizzes conducted on regular basis. 5. GATE course conducted for 3rd & 4th Year students in Departmental Gnomio website.
3	Amol W. Pardhi	Antenna and Wave Propagation, Television Engineering	http://apardhi.gnomio.com	1. ALP II microproject evaluation done 2. Sessional II conducted for TSS. 3. Prerequisite taken for 7th sem. 4. Course materials provided for TVE 7th sem and AWP 5th sem. 5. Weekly quizzes conducted on regular basis for TVE & AWP. 6. Unit wise assignment taken. 7. Practical submission taken for TVE.
4	Kirti S.Vaidya	Communication Engineering, Digital Signal Processing and Architecture	etcsvpc.gnomio.com	1. Sessional exam taken for DSP course. 2. Prerequisite course taken for DSPA course. 3. Regular classes taken on Google meet and videos recorded. 4. Weekly quizzes taken for DSPA and CE course. 5. CE Practicals conducted on virtual labs. 6. Self made videos uploaded for CE practical. 7. Assignment taken in form of google drive link.
5	M N Kapse	Digital Signal Processing and Architecture, Digital Signal Processing and Architecture	1. Website: https://mkapse.gnomio.com/course/view.php?id=3 . 2. Meet link: meet.google.com/mrj-egwa-nfb	1. Sessional exam taken on website. 2. Prerequisite course taken for DSPA. 3. Weekly quizzes taken for DSPA. 4. Assignments taken for DSPA.

7	Harish Rajurkar	Electronic Devices and Circuits/Microwave and Radar Engineering	1. Site: edcwirhhrajurkar.gnomio.com 2: Virtual labs used: http://vlabs.iitkgp.ernet.in , http://vlab.amrita.edu	1. Sessional exam taken for MRE even sem. 2. Course materials provided for EDC 3rd sem 3. Practical taken on virtual labs. 4. Weekly quizzes taken.
9	Dakshata Gharode	Television and Video Engineering, Wireless Mobile communication	1. Site: https://dakshataghare.gnomio.com . 2. Recorded lecture link: https://drive.google.com/file/d/1TzgzLLyAtFZlJSmp7DCwqw0p8eP6_Kk0/view	1. Course quiz exam taken for 8th sem WMC students. 2. Prerequisite taken for 7th sem, 3. Course materials provided for TVE 7th sem, 4. Weekly quizzes conducted on regular basis, 5. practical submission taken on moodle website for TVE and CE.
10	Dr. D Borakhade	ADSD, WMC	https://deepaliborakhade.gnomio.com	1. Course quiz exam taken for 8th sem WMC students. 2. Prerequisite taken for 7th sem, 3. Course materials provided for ADSD 7th sem, 4. Weekly quizzes conducted on regular basis,
11	Nishat A Faizee	Antenna and Wave Propagation, EMF	www.nfaizee.gnomio.com	1. Sessional exam taken on website. 2. Regular lectures taken on google meet. 3. Weekly quizzes taken for AWP. 4. Assignments taken for AWP.
12	Dr. Hema Kale	Electronic Devices and Circuit, Signals & Systems, Advanced Lab Practice-I & Advanced Lab Practice-II	1. Website: etcsvpc.gnomio.com 2. kalemadam.gnomio.com 3. Practical link: EDC-Vlab.co.in, 4. ALP-I- http://vlabs.iitkgp.ernet.in , http://vlab.amrita.edu	1. Online training module (30 hrs) on "Innovative experimentation in electronics" from 7 th to 9 th sept. 2. Prerequisite for EDC (uploaded videos). 3. Self made youtube videos towards practical oriented approach EDC. 4. Weekly quizzes for EDC. 5. EDC practical taken on virtual labs (IIT kharagpur) 6. Videos for two experiments uploaded. 7. Virtual lab experiments taken from amrita labs. 8. Softcopy of class notes for all units on gnomio website, NPTEL learning material uploaded. 9. DSO Experiment- https://youtu.be/xPh6CUuup7I 10. Current Transducer- https://youtu.be/Ch1ZsnI47Xw 11. Multirate Demo- https://youtu.be/KsW6nEnq3OI 12. Interfacing Speaker with MATLAB - https://youtu.be/HlskNo21nkg 13. Autocorrelation-

				https://youtu.be/txmLrQ8OZuA 14. FFT & Piano notes- https://youtu.be/kiwSbEc4j4o 15. Audio Signal & PYTHON- https://youtu.be/HOdBA4BgAyg 16. Interfacing Function Generator- https://youtu.be/qdeZ94YXLfA 17. Interfacing CRO- https://youtu.be/y4sO_BooEqc 18. PC-PC Comm using Li-Fi- https://youtu.be/Avqo6carEgw 19. PC-PC Comm using FSK Modulator & Demodulator- https://youtu.be/qHJpo2YOHVo 20. DTMF Decoder using MATLAB- https://youtu.be/Qvi4ZZcdWik
13	Dr. M. Shriraghavan	Electronic Measurement & Instrumentation, Signals & Systems	msraghavan.gnomio.com	1. Website created for EMI course. 2. Weekly Quizzes taken. 3. Practical taken in virtual labs
13	Rohan Vaidya	Object Oriented Programming and Data Structure, MPMC	1. Website: rv.gnomio.com 2. https://ide.geeksforgeeks.org/	1. Training taken on python for First year students. 2. Sessional exam for even sem 19-20 taken. 3. Course material uploaded on website. 4. Weekly quizzes taken for OOPs & DS. 5. practical submissions for OOPs & DS taken
14	Dr. S Werulkar	Computer Communication Networks(VIII Sem) and Analog Circuits and Design(V Sem)	etcsvpc.gnomio.com	1. Course material available on Gnomio website. 2. Sessional II taken for CCN Even sem. 3. Weekly quizzes taken for ACD. 4. Mini project taken in ACD.
15	Dr.S Rangankar	Digital Communication	https://sureshrangankar.gnomio.com	1. Course material available on Gnomio website. 2. Sessional II taken for DCM Even sem. 3. Weekly quizzes taken for CE. 4. Result analysis done for quizzes.
16	R.D. Deshmukh	Analog circuit Design	rdeshmukh.gnomio.com	1. Website created for ACD course. 2. Practicals taken on Multisim
17	Prof. A Lambat	MPMC and MRE	avinashlambat.gnomio.com	1. Website created for MPMC course. 2. Course material uploaded. 3. Weekly quizzes taken. 4. Course monitored through website.
18	Swati Mirlekar	Object Oriented Programming and Data Structure, Digital Circuits and	www.swatimirlekar.gnomio.com	For the courses: DCFM, OOPS & DS, IEED, Computational Skills 1. Unit wise notes 2. Question bank (for all units)

		Fundamentals of Microprocessor		3. Assignments 4. Viva questions –Quizzes 5. Game pedagogies (crossword, Cryptex, Snakes and ladder, Sudoku etc.) 6. Sessional related activities 7. Book links 8. Videos links for all topics (made by students) 9. Practical submissions (all experiments) 10. Feedback on activities 11. Chat discussion 12. Forum discussions
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