



Innovations by the Faculty in Teaching and Learning

Following are the Innovative Tools used by the Faculty in Teaching and Learning Process in addition to the conventional methods like, Blackboardteaching, sharing learning materials and questioning in every class.

Google Classroom:Google Classroom is a free suite of productivity tools that includes email, documents, and storage. Classroom was designed collaboratively with faculty members to help them save time, keep classes organized, and improve communication with students.

G Meet:G Meet is a free suite for anyone with a Google account can create a video class and record the lectures to re-watch and reviewing the learning objective after the class.

Multimedia Learning Process: The faculty members are using multimedia elements LCD projectors that will help the faculties to represent the content in a more meaningful way using different media elements.

Quiz:A quiz can function throughout a course as an informative feedback device allowing both the instructor and the students to see where they are excelling or need more focus.

E-Learning Resources: The Videos and E-learning materials are circulated by the course in charges to the students that helps in providing exposure to domain expertise of the faculty members from various reputed institutes like NPTEL etc.

A-View E-Sikshana/Edusat,<http://elearning.vtu.ac.in/index.php>e-Shikshanaprogramme is an advanced multi-modal, multi-platform, collaborative e-learning platform which allows a course experts to teach or interact with a large number of students across VTU affiliated colleges on a real-time basis through live audio video streaming and synchronized content sharing. e-Shikshana allows the course experts to perform live evaluation of the learners and to get real-time feedback from attendees on the go. e-Shikshana can also act as an online meeting tool that can support online social collaboration and interactions with multiple colleges from various affiliated colleges simultaneously.

Digital Library:Digital library section is fostered in the Knowledge Centre to facilitate for improving learner's body of knowledge and academic excellence. It enfolds global standard curriculum centered e-books, audio, video clips, animations and PPTs related to Engineering & Technology, and contents of National . NPTEL/VTU E-learning Videos, 82,585 Book Materials, 3,810 Research Materials, 16910 Books PPTs and 1912 Animations along with 20,000 non-academic titles. Apart from this it is also holds around 7000 previous question



RAO BAHADUR Y. MAHABALESWARAPPA ENGINEERING COLLEGE, BALLARI
Department of Electronics and Communication Engineering



papers of VTU. Workstations (12 Nos.) are provided to access the digital contents. The users can access the digital resources by using web browsers(Chrome and Firefox) by clicking following url in the campus network: <file:///192.168.8.8/>, <file:///192.168.8.4/>, <http://192.168.8.4/> - NPTEL/VTU E-learning – Videos

SL.No	Innovation Methods	Type of Activity	Course	Outcome	Name of the Faculty
01	Course video lecture in YouTube	Students will Listen to Lecture	DSDV	Understanding of Subject in Online Platform	Dr. SavitaSonoli
	Quiz	Online Quiz	DSDV	Able to make out where they are excelling or need more focus.	
02	Course video lecture in YouTube	Students will Listen to Lecture	S&S	Understanding of Subject in Online Platform	Dr.Prahavathi S
	Brain Storming	Quiz	EMW	Understanding & application of Subject Knowledge	
03	Brain Storming & Experimental Learning	Quiz Practices	MC PE	To Encourage Students to look beyond their texture Knowledge. Create interest	Mrs. RakheePatil
04	Experimental Teaching learning, & Reflection (Online/offline)	Assignment Test	RE Seminar	Performance & Evaluation. Knowledge, Skill & Altitude.	Mr. H. Surendranath
05	Subject related Quiz	Quiz	ES	Realization of subject knowledge	Mr. KhajaMoinuddin
06	Brain Storming	Quiz	MC	To motivate students to look beyond their Knowledge	Mrs. Girijavani
07	Experimental learning	Experimentation	IOT WSN	Making students to understand the Concepts	Mrs. SuvarnaPatil
08	Quiz	Online Quiz	DSDV	Able to make out where they are excelling or need more focus.	Mrs. Chinna V Gowdar
09	Multimedia	PPT	Java	Students able to understand concepts using different media elements.	MrPhanindra Reddy
10	Role Play, Ice Breaking, Story telling	Games	ME	Effective Understanding of Concept. Lot of Enthusiasm, active Participation	Mr. Shridhar.S.Bilagi
11	Brain Storming Sessions	Group Discussions, Assignment.	COA	Realize the Practicals and understand significance of concepts	Mr.Lokesh K S
12	Brain Storming	Quiz	DC	Understanding the theoretical Knowledge about the subject	Mrs. A. Anita
13	Quiz	Online Quiz	BE	Able to make out where they are excelling or need more focus.	Mr.Vinay A
14	Quiz	Online Quiz	BE	Able to make out where they are excelling or need more focus.	Mr.Sharanagouda V Patil



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Department of Electronics and Communication Engineering



15	Quiz on FON	Online Quiz	FON	Engagement in Learning Process	Mr. MdZakirulla
16	Course video lecture in YouTube	Students will Listen to Lecture	ES&LA	Understanding of Subject in Online Platform	Mr. SudarshanBanakar
17	Quiz	Online Quiz	BE	Able to make out where they are excelling or need more focus.	MrPrashanthKeni
18	Online Teaching	Video Recordings in Telegram	CS NT	Students can Learn at their own Pace & when good connectivity in placement	Mr. SharanaBasavaraj B
19	Group Discussion	Discussing & Presenting the Concepts	S&S EMW	Self Learning & good Communication Skills, Problem analysis.	Mrs. Vani.H
20	Course video lecture in YouTube	Students will Listen to Lecture	AC	Understanding of Subject in Online Platform	Mr. Srikanth N
21	Course video lecture in YouTube	Students will Listen to Lecture (whenever network is available in Remote areas)	SP AC AC Lab	Understanding of Subject in Online Platform	MsRohini H M
22	Online Teaching	Assignment & Quiz	ELN ES & LA	Realization of Course Knowledge & Self Learning	Mr. SantoshMugali
23	Video lecture in YouTube, live classes through Zoom app	Students will Listen to Lecture	BE	Understanding of Subject in Online Platform	Ashwini K
24	Brain Storming	Quiz	DC	Understanding the theoretical Knowledge about the subject	Mrs. Manasa K C
25	Quiz on FON	Online Quiz	FON	Engagement in Learning Process	Mr. Channaveerana Gouda

Links :

Sl. No	Name of The Staff	Course Name	Link
1	Dr. Savita Sonoli	DSDV	https://youtube.com/channel/UCmSrAia7OLWSZq1J-nAtgg
2	Dr Prabhavathi S	S & S	https://youtube.com/channel/UCesVYoGwOfooJoDNh-zHxSw
3	Mr. Sudharshan Banakar	ESLA	https://t.me/sudharshan_ESLA https://youtube.com/channel/UC8YgTPqP54tIKnMPJiraXUg
		AC Lab	https://youtube.com/channel/UC8YgTPqP54tIKnMPJiraXUg



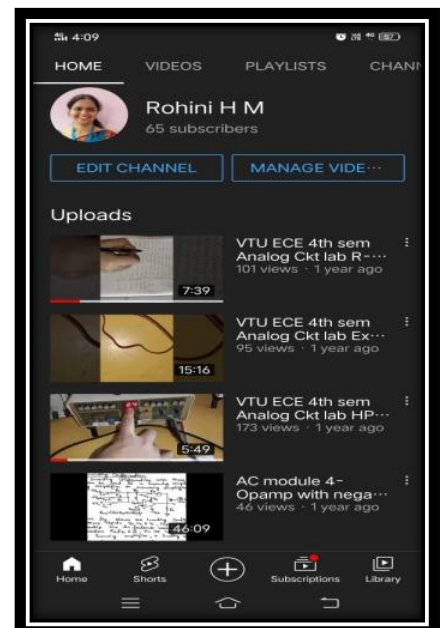
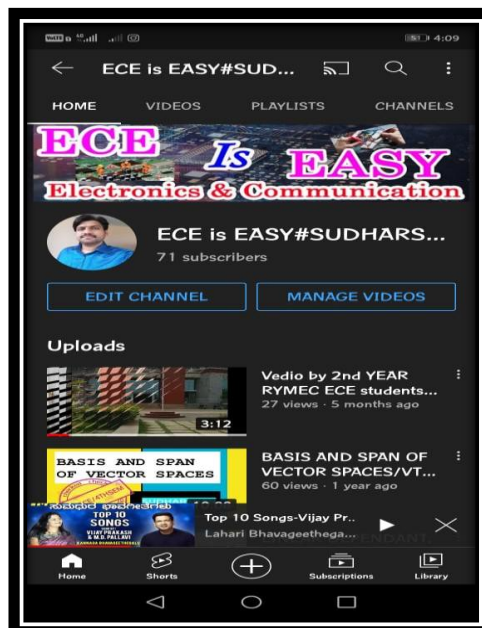
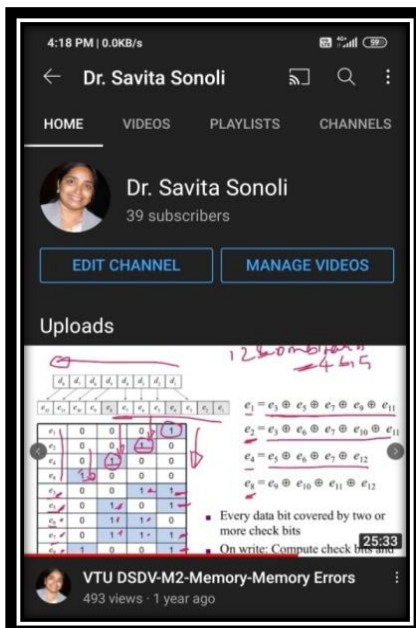
4	Mrs. Rohini H M	AC	https://youtube.com/playlist?list=PLl4Pvh8FfO2oA0FIPRPOWgX657a9iy6kB
		SP	https://youtube.com/playlist?list=PLl4Pvh8FfO2qKoGutG8M50o6nn3TgJabU
		AC Lab	https://youtube.com/playlist?list=PLl4Pvh8FfO2qLlljfRvn3uJim7juFTnFk
		UHV	https://youtube.com/playlist?list=PLl4Pvh8FfO2pEQ8vfi7CGoWiw9DSwFOn
		FON	https://t.me/ecerymecfon
5	Mrs. Vani H	S & S	https://youtu.be/AjH2dzUpzCs https://youtu.be/CfzLKGq2SqE https://youtu.be/fScPAnjkGjU https://youtu.be/aM9X2yong9o https://youtu.be/fScPAnjkGjU https://youtu.be/aM9X2yong9o https://youtu.be/4n6E3ORcCAU https://youtu.be/7Fd3e1a6LWA https://youtu.be/aaLLFJckQCY https://youtu.be/FvTUyWstFUo
6	Mr. Srikanth H	AC	https://youtube.com/channel/UC8KBAMuUovqrHGsb2cyJShQ
7	Mr. Sharana Basavaraj B	NA	https://t.me/NT18EC32
		CS	https://t.me/ControlSystemsSharanB



Group Discussion



You Tube/ Telegram Lecture





Brain Storming / Role Play





Course Delivery by Students



Online Quiz

