

B.M.S. COLLEGE OF ENGINEERING, BENGALURU-19
Autonomous Institute, Affiliated to VTU

Annual Quality Assurance Report 2021-2022 (AQAR)
Period - 01.06.2021 To 31.05.2022

2.3.2 Usage of ICT enabled tools including online resources for effective teaching and Learning

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available
39	39	Classroom (5 UG classrooms and 3 PG classrooms), Seminar halls and CAD Lab are equipped with Projectors. The Seminar Hall also has Smart Board Access to Online Journals, MOOCS /NPTEL, Softwares
55	55	LCD / Wi-Fi /LAN facilities/ Interactive Board
22	22	Google Meet , GoToMeeting , Zoom
44	44	Google Meet , GoToMeeting , ZoomImparatus lecture capturing system,Class rooms with OHP for powerpoint and video presentations,Google Class Room, Google docs, Google drive, and Google site,Zoom meeting,Webex,Wiksate, Edmodo,INPODS, NPTEL lectures,QEE Online lectures,E-resources repository of technical publications
11	11	Google Classroom,Email,PPT,Word processor, LCD,Computer with multimedia, E-Slate
32	32	Power point presentation, Google forms, Hackerrank
13	13	Google Classroom, Gotomeeting, Google Meet, IEEE Xplore access, NPTEL, QEEE, Coursera, Inpods, Wiksate, MOODLE, Udemy, Wordpress, Edmodo, A-View platform
30	30	1.Class rooms with LCD for PPT and Video Presentation,2. Kahoot,Edmodo - Conducting online Quiz and for Faculty and Student Interactions,3. Google Classroom,4. Flipped Classes,5. Github ,6. Hacker rank,7. Programming Tools,8. Google form for survey and Quiz,9. Cisco Simulation Tool,10. Mooc Courses
9	9	Cisco webx,Google meet, Digital Board, IAR Embedded Workbench, Cisco webx, Virtual Lab, Edmodo, MultiSim, Virtual Lab IAR Embedded Workbench,
11	11	CANVAS LMS (https://www.instructure.com/canvas), https://www.arm.com/ , https://classroom.google.com
12	12	Google Meet, Google Classroom, Google Forms
10	10	SAMSUNG smart board. Resources: NPTEL, KHAN ACADEMY, SWAYAM, FRANK LECTURES, BOZMAN science, Amrita Virtual labs ,Google classroom, NEB, JOVE videos, Virtual labs from NITK
6	6	Class Rooms with LCD for powerpoint and Video presentations
		Google docs
		Google drive
		Google Meet
		NPTEL lectures
		Programming Tool
		Google form for survey and Quiz
		NPTEL videos
		Virtual Labs
3	3	Google classroom
		Interactive boards
		NPTEL
		MOOC
21	21	Google classroom & Inpods
10	10	Computers with audio and visual facility are provided to all faculty.Power point presentations are prepared by individual teachers and provided to the students
		Some of the concepts requiring visualizations are explained in the class using animated videos
		Students as a part of their AAT presentations use the projectors available in all the class rooms and give oral presentations using Power point and online videos
		ICT Tools are used both in theory and laboratory classes.
11	11	PPT, Animation, Video lectures The vision for NEP 2020 is "Technology use and integration" to empower students to develop India as a digitally empowered society. Also, the integration of Information and communication technology (ICT) allows education accessible to students in remote areas of the country. The implementation of ICT tools to students enhances their understanding ability, visualization, skill development etc.
12	12	ICT TOOLS: Microsoft PowerPoint Presentation, Google Classroom, iScribe4U, Screencast-O-Matic to record videos, TurboC Editor, Video editor, Google Classroom, Google Meet Resources: NPTEL Videos, Coursera Videos, Self Recorded videos, Youtube, W3Schools, Geeksforgeeks.org, React.js.org, MobgodbDocumentation(docs.mongodb.com), Node.js and getbootstrap.com, Case studies from Internet/ books, Youtube and many text materials from available books, Geeksforgeeks.org, neo4j.com, Edx and GATE preparation, LinkedIn Learning, Alison Courses, Cloud Resources(AWS, Azure and Google Cloud)
15	15	LCD Projectors, Computers