



**EXCEL ENGINEERING COLLEGE**  
(Autonomous)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai  
Accredited by NBA (AERO, CSE, ECE, MECH), NAAC with "A+" and Recognised by UGC (2f & 12B)

**KOMARAPALAYAM-637 303**  
**DEPARTMENT OF BIOMEDICAL ENGINEERING**  
Academic Year: -2022-23

**INDEX**

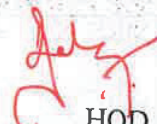
S.NO	Description
1	ICT Enabled Classrooms

Faculty members using ICT for effective teaching with LMS and E-learning resources

S.No	No.of teachers on roll	No.of teachers using ICT(LMS&E-Resource)	ICT Tools and Resources available	Number of ICT-enabled classrooms	Number of smart classrooms	E-Resources and Techniques used
1	16	16	LCD Projector Presentation and NPTEL	01	01	YouTube Google Smart Classroom

  
Academic Coordinator



  
HOD



### 2.3.2 Teachers use ICT-enabled tools, including online resources for effective teaching and learning

S.No	Name of the faculty	Name of the subject	Topics	ICT tools used
1	G. Lavanya	Circuit theory	magnetically coupled circuit	video lecturing
		Human-computer interaction	screen designing	video lecturing
2	DR. G. PRAKASH	Internet of things	IoT Access Technologies: Physical and MAC layers, topology	PowerPoint presentation using Smartboard
		Digital Electronics	Digital integrated circuits	Through Web Resources
3	Dr.SATEESH REDDY AVUTU	Biosignal Processing	Biosignal processing algorithms	PPT
		Problem-solving using Python	Project design using Python	PPT
4	MS. M. K. PRABAVATHI	Rehabilitation Engineering	Design of prosthetics and orthotics	Video lecturing
5	MS. T. SASIKALA	Biosensors and wearable technology	Biosensor design and manufacturing process	Video lecturing
6	MS. JINI THOMAS	Electronic Devices and Circuits	PN-Junction Diode	PPT
		Radiological Equipment's	Nuclear Imaging Techniques	Video lecturing
7	MRS. S. DEEPA	Medical and Radiation Physics	Radioactive Decay	Video lecturing
8	MRS. K. AARTHY	Rehabilitation Engineering	Anthropometric measurements	PPT
9	MR. V. BOOBBALAN	Hospital waste management	Biomedical waste management	PPT & Video lecturing
10	DR. SAROJ KUMAR SAH	Pathology and Microbiology	Atlas of Hematology	PPT
		Human Anatomy and Physiology	Axial and Appendicular (Skeleton system), human heart	PPT and Video
		Biochemistry	Biomolecules	PPT

11	MRS. S. DHIVYA	principles of telemedicine	cyber laws related to telemedicine	ppt
12	MS. R. SONU	Healthcare Data Analytics	Social media as a bigdata resource for data analytics	Video lecturing
13	MS. R. RAJESHWARI	Regulatory Requirement in Pharmaceutical Industries	Laboratory Animal	PPT
14	R.GEETHA	Biometrics Systems	fingerprint pattern recognition	
		Digital Image Processing	Image Enhancement, Segmentation, Restoration Process	Video lecturing
		Biomaterial and Artificial Organs	Metal, Ceramics, Polymer implant material	PPT
		Ergonomics	Anthropometry	PPT
15	K.ROKINI	Biomedical Instrumentation	Physiological system of body	PPT
		Diagnostic and Therapeutic Equipment II	Biosensor Design	PPT
		Diagnostic and therapeutic Equipment-I	Patient Monitoring	Video lecturing
16	R.SANTHIYA	Biosensors and Wearable Technology	Need for wearable systems	PPT
		Signals and Systems for Bioengineers	Importance of HRV	PPT
		Medical Regulatory Affairs and Ethics	MDRA basic concepts	video lecturing
		Radiological equipment's	CT generations	video lecturing



## SMART CLASSROOM



Mrs. Rokini is taking Biosensor Design for 3<sup>rd</sup> Year Biomedical Engineering Students

## PRESENTATION



Prof. G. Prakash is taking Importance of Digital Integrated Circuits for 2<sup>nd</sup> Year Biomedical Engineering Students