

**Department of Electronics and Communication Engineering**  
**Innovative Teaching Methods**

Activity Title	Case Study
Faculty Name/Department	Dr.M. Sivakumar AP/ECE
Mapped Course Name & Code	Medical Electronics & EC8073
Date	30-09-2022
Benefitted Students (Year / Sem / Dept)	III/V/ECE
Topic	Recent trends in Biomedical Application
Description	Biomedical engineering is a relatively new and exciting branch of the life sciences that has the potential to transform healthcare paving the way for further technological developments in prosthetics, surgical devices, and diagnostics, imaging methods and much, much more.
Course Outcomes (CO)	CO5: understands the recent trends in diagnosis & Theory
Performance Indicator (PI)	1.4.1
Mail ID ( for review)	ece.sivakumar@msajce-edu.in

**Topics/ Questions:**

Recent trends in Biomedical Application

**Marks:**

Name of the student	Reg No.	Topic	Marks		Total
			(10)	(10)	
Abinaya K	311820106001	Remote heart rate monitoring system using IoT.	9	8	17
Abitha B	311820106002	Tissue Engineering	8	7	15
Aflal Ahamed M	311820106003	Advantages in Medical Electronics	8	7	15
Ahmad Syed Samar	311820106004	Nanoparticles	8	9	17
Amudeshwaran S	311820106005	IoT Enabled cancer prediction system to enhance the authentication and security using cloud computing	8	7	15

Basharathulla A	311820106006	Carbon Nanotubes	8	6	14
Carol Persy N	311820106007	Physiology, Cardiac output	10	8	18
Janani E	311820106009	Feature Selection of EEG Signals in Neuro marketing	9	7	16
Jaseem Mohamed P	311820106010	Security and privacy issues with IoT in Healthcare	9	9	18
Kishore S	311820106011	3D Printed Electronics: Processes, materials and future trends	8	8	16
Madhivanan R	311820106013	Drug Delivery	8	7	15
Mohamed Mukshith N	311820106014	Architectural elements, challenges and future direction	8	9	17
Muthu Akmal M	311820106015	Artificial ligaments and tendons	7	9	16
Nirmal k	311820106016	Dental implants for tooth fixation.	8	9	17
Poosathishkumar M	311820106017	Blood vessel prostheses	9	9	18
Safrin S	311820106018	Colorimeter based on color Sensor	9	8	17
Sathesh Kumar V	311820106020	Intraocular lenses (IOLs) for eye surger	8	9	17
Shahrukh Fakrudeen K	311820106021	Implementation of IoT based Wireless electronic stethoscope	8	8	16
Shaik Abdulla A	311820106022	Nerve conduits	8	8	16
Subhash B	311820106023	ECG Recording Setup	9	8	17
Thanveer sheriff	311820106025	Wearable medical devices	8	9	17
Bala Krishnan. S	311820106301	Medical virtual reality	7	8	15
Fouzia Jabeen S P	311820106302	Surgical robotics	7	7	14
Girish. r	311820106303	Bio Amplifiers	7	9	16
Kamali.D	311820106305	Medical virtual reality	8	7	15
Mohamed Nayeem B	311820106306	Smart beds	8	8	16
Kishore.R	311820106702	Vital sign tracking & diagnostics	9	9	18

#### Outcome:

The purpose of a case study is to learn as much as possible about an individual or group so that the information can be generalized to many others. By these study students will be able to know more about the recent trends of biomedical applications in detail.