Course Title: Basic BioElectronics Lab

Course Code: BE 511

L T P CH CR O O 4 8 4

Course offered to: 1st Semester

M. Tech. in BioElectronics

Department of ECE

Dr. Nayan M Kakoty School of Engineering Tezpur University Tezpur, INDIA Course Title: Basic BioELectronics Lab

Course Code: BE 511

Evaluation Methods (Classes to be started from July 03, 2024)

Tests	Marks	Expected Time
Sessional Test I (45 minutes)	25	To be completed by September 06, 2024 (Friday)
Mid Term Examination (2 Hours)	40	September 27 (Friday) – October 08 (Friday), 2024
Sessional Test-II	25	To be completed by November 08, 2024 (Friday)
End Term Examination (3 Hours)	60	December 03 – 14, 2023 (Tueday - Saturday)

Course Title: Basic BioELectronics Lab

Course Code: BE 511

Course Content

Basic Concepts of Robotics using RoboAnalyzer:

Introduction to RoboAnalyzer (what is RoboAnalyzer, web-site of RoboAnalyzer)

Links, Joints, Degrees of Freedom

Denavit and Hertenberg Parameters

Transformation Matrices: Rotation and Translation using HTM module

Forward and Inverse Kinematics

Forward and Inverse Dynamics

Course Title: Basic BioELectronics Lab

L T P CH CR

Course Code: BE 511 0 0 4 8 4

Course Content

Hardware Projects using Raspberry Pi

Examples from Previous Semester: Spring 2024

Invited Talks





Thank You