

## INDIAN INSTITUTE OF TECHNOLOGY TIRUPATI

## भारतीय प्रौद्योगिकी संस्थान तिरुपति

1.		
1.	Title of the course	Deep Learning for Healthcare
2.	Course number	EE532L
3.	Structure of credits	3-0-0-3
4.	Offered to	PG
5.	New course/modification to	Modification To EE5043/16
6.	To be offered by	Department of Electrical Engineering
7.	To take effect from	July 2022
8.	Prerequisite	СоТ
9.	Course Objective(s): To introduce the application of deep learning in healthcare, including the use of deep learning for diagnosis, classification, disease progression modeling, and risk stratification.	
	<b>Course Content:</b> Introduction to machine learning and deep learning, an overview of healthcare and clinical data, risk stratification, physiological time series, natural language processing, deep learning for disease diagnosis, classification, risk stratification, disease progression modeling, precision medicine, automating clinical workflows.	
10.	and clinical data, risk stratification, physiologic learning for disease diagnosis, classification,	cal time series, natural language processing, deep risk stratification, disease progression modeling,
10.	and clinical data, risk stratification, physiological learning for disease diagnosis, classification, precision medicine, automating clinical workflow  Textbook(s):	cal time series, natural language processing, deep risk stratification, disease progression modeling, vs.  thcare - Paradigms and Applications, 1st Edition,