



**MALNAD COLLEGE OF ENGINEERING, HASSAN**  
(An Autonomous Institution Affiliated to VTU, Belgaum)  
**DEPARTMENT OF ENGINEERING**

Course Title	Data structure and applications		
Course Code	23IS503	(L-T-P)C	(3-2-1) 4.0
Exam	3 Hrs.	Hours/Week	6
SEE	50 Marks	Total Hours	27L+14P

**Course Objectives**

- data structure and applications

**Course outcomes:** At the end of course, student will be able to:

#	Course Outcomes	Mapping to PO's	Mapping to PSO's
1.	a	6	-
2.	b	3,6	-
3.	c	3,6	-

**Module-wise Breakdown**

Module	Details	Hrs
1	Module 1	8
2	Module 2	8
3	Module 3	8

**Prescribed Test Books**

Sl No	Book Title	Authors	Edition	Publisher	Year
1	Machine Learning	VTU Belagavi	-	Pearson	2021

**E-Resources**

**E-Books:**

1. [http://14.139.161.31/OddSem-0822-1122/Hands-On\\_Machine\\_Learning\\_with\\_Scikit-Learn-Keras-and-TensorFlow-2nd-Edition-Aurelien-Geron.pdf](http://14.139.161.31/OddSem-0822-1122/Hands-On_Machine_Learning_with_Scikit-Learn-Keras-and-TensorFlow-2nd-Edition-Aurelien-Geron.pdf)

**MOOC Courses:**

1. [https://swayam.gov.in/nd1\\_noc19\\_cs52/preview](https://swayam.gov.in/nd1_noc19_cs52/preview)

**Proposed Assessment Plan (for 50 marks of CIE):**

Tool	Remarks	Marks
Internals	Three tests conducted for 20 marks each and reduced to 10 marks	30
AAT	Details of activities to be conducted	20

