



# ANTYODAY MAHAVIDYALAYA, DEVGRAM (Autonomous)

TAH. NARKHED DIST. NAGPUR- 441301 (MS)

NAAC ACCREDITED IN CYCLE – II AT 'B++' GRADE, CGPA 2.93

## Master of Computer Science (M. Sc.)

English Medium

NEP Pattern

College Timing: 9:00 AM to 3.30 PM

Two Year Degree Course [M.Sc. I, II (NEP) (Semester Pattern)]

Student will have to opt for Subjects as per following table

### M. Sc. Computer Science Program

In this course the aspirants will learn technical and crucial aspects regarding the wider applications of Science and its industrial work ethics. Intake of each specialized course is 22.

Year	Semester	Subjects					
MSc. I Year	Semester I	DSC	DSC	DSE	RM	DSC Practical 1	DSC Practical 2
		Artificial Intelligence	Compiler Construction	Elective 1	Research Methodology	Practical AI & CC	Practical RM
	Semester II	DSC	DSC	DSE	OJT	DSC Practical 1	DSC Practical 2
		Cloud Computing	Machine Learning	Elective 2	Apprenticeship Mini Project	Practical CC & ML	Practical on Elective 2
MSc. II Year	Semester III	DSC	DSC	DSC	DSE	RP	DSC Practical
		Advance Software Engineering	Network Security	Digital Image Processing	Elective 3	Research Project (Core)	Practical on all subjects
	Semester IV	DSC	DSC	DSC	DSE	RP	
		Big Data Analysis	Computer Vision	Deep Learning	Elective 4	Research Project	

#### Abbreviations:

DSC: Discipline Specific Course

DSE: Discipline Specific Elective

RM: Research Methodology

OJT: On the Job Training(internship/Apprenticeship)

RP: Research Project

### **Basket for Elective Courses**

Semester	Course Category	Name of Course
I	Elective 1	<ul style="list-style-type: none"><li>• Computer Architecture &amp; Organization</li><li>• Discrete Mathematica</li><li>• Equivalent MOOC Course</li></ul>
II	Elective 2	<ul style="list-style-type: none"><li>• R Programming</li><li>• Neural Network</li><li>• Equivalent MOOC Course</li></ul>
III	Elective 3	<ul style="list-style-type: none"><li>• Computer Graphics</li><li>• Internet of Things (IOT)</li><li>• Equivalent MOOC Course</li></ul>
IV	Elective 4	<ul style="list-style-type: none"><li>• Design and Analysis of Algorithm</li><li>• Cyber Forensics</li><li>• Equivalent MOOC Course</li></ul>

### **Distribution of Marks for Semester Pattern**

**Theory, 80 Marks per Subjects, Internal Assessment 20 per Subject**

**NOTE: -** For admission to the M. Sc. Semester I in Computer Science, a candidate shall have offered Computer Science as one of the optional subjects of study and examination at B.Sc. degree or B.Sc./ B.E. examination with Post B.Sc. diploma course in Computer Science of RTM Nagpur University or any other statutory university and Application or B.Sc. with optional subjects Computer Maintenance / B.Sc. (Information Technology) / B.C.A.

**Note: - In case of increase in fees by the Government / University, the student shall be charged accordingly.**