

# **ACADEMIC CURRICULUM**

**(REGULATIONS 2020)**

**FOR**

**UNDER GRADUATE PROGRAMMES**

**CHOICE BASED CREDIT SYSTEM**

**(Applicable to the students admitted from the Academic Year 2020-21 onwards)**

## **B.TECH – ARTIFICIAL INTELLIGENCE AND DATASCIENCE**



**EASWARI ENGINEERING COLLEGE**  
**(AUTONOMOUS INSTITUTION)**

**Bharathi Salai, Ramapuram, Chennai – 600 089**

# CONTENTS

CURRICULUM - 1<sup>st</sup> and 2<sup>nd</sup> Semester

SEMESTER I								
S.No	Course Code	Course Title	Category	L	T	P	R	C
<b>THEORY</b>								
1.	191LEH101T	Technical English	HS	3	-	-	-	3
2.	191MAB101T	Engineering Mathematics - I	BS	3	2	-	-	4
3.	191PYB101T	Engineering Physics	BS	3	-	-	-	3
4.	191CYB101T	Engineering Chemistry	BS	3	-	-	-	3
5.	191GES101T	Engineering Graphics	ES	2	-	4	-	4
6.	191GES102T	Problem Solving through Python Programming	ES	3	-	-	-	3
<b>LABORATORY</b>								
7.	191GEB111L	Physics and Chemistry Laboratory	BS	-	-	4	-	2
8.	191GES111L	Python Programming Laboratory	ES	-	-	3	1	2
<b>TOTAL CREDITS</b>								<b>24</b>
<b>MANDATORY COURSE</b>								
9.	191GEM101L	Induction Training &	MC	-	-	2	-	1 <sup>&amp;</sup>

<sup>&</sup> Mandatory to attend Induction training programme and earn one credit.

SEMESTER II								
S.No	Course Code	Course Title	Category	L	T	P	R	C
<b>THEORY</b>								
1.	191LEH201T	Professional Communication/ BEC Certification	HS	3	-	-	-	3
2.	191MAB201T	Engineering Mathematics - II	BS	3	2	-	-	4
3.	191GES201T	Basic Electrical and Electronics Engineering	ES	3	-	-	-	3
4.	191ADC201T	Programming and Data Structures using C	PC	3	-	-	-	3
5.	191ADC202T	Data Essentials	PC	3	-	-	-	3
<b>LABORATORY</b>								
6.	191GES211L	Engineering Practices Laboratory	ES	-	-	4	-	2
7.	191ADC211L	Programming and Data Structures using C Laboratory	PC	-	-	3	1	2
8.	191ADC212L	Data Essentials Laboratory	PC	-	-	2	-	1
<b>TOTAL CREDITS</b>								21
<b>MANDATORY COURSE</b>								
9.	191CYM201T	Environmental Science <sup>&amp;&amp;</sup>	MC	3	-	-	-	3 <sup>&amp;&amp;</sup>
10.	191GEM211L	NSS / NCC / YRC -Phase - I*	MC	-	-	2	-	1*

&& Mandatory to register for the course and earn three credits

\* The student may opt for any one. They have to complete the respective Phase II and Phase III. Those who are not opting NSS/NCC/YRC have to opt for Foreign language / Indian constitution in the sixth semester.