

# VISHNU INSTITUTE OF TECHNOLOGY:: BHIMAVARAM (AUTONOMOUS)

Approved by AICTE, Accredited by NAAC-A<sup>++</sup>, NBA & Affiliated to JNTUK, Kakinada  
Department of Electronics and communication Engineering  
Course Structure  
With effect from 2020-2021  
I B Tech –I Semester

S.No	Category/ Course Code	Course Title	Hours Per week			Credits C	Examinations		Total T
			L	T	P		I	E	
1	BSC	Mathematics-I	3	0	0	3	30	70	100
2	BSC	Engineering Physics	3	0	0	3	30	70	100
3	HSMC	Communicative English	3	0	0	3	30	70	100
4	ESC	Engineering Graphics	2	0	2	3	30	70	100
5	ESC	Computational Thinking & Programming	3	0	0	3	30	70	100
6	HSMC lab	English Communication Skills Lab	0	0	3	1.5	15	35	50
7	BSC lab	Engineering Physics Lab	0	0	3	1.5	15	35	50
8	ESC lab	Computational Thinking & Programming Lab	0	0	3	1.5	15	35	50
<b>Total</b>						19.5	240	560	800

Category	Credits
Basic Science Course (BSC)	7.5
Engineering Science Courses (ESC)	7.5
Humanities and Social Science (HSMC)	4.5
<b>TOTAL CREDITS</b>	<b>19.5</b>

## Semester - II (First Year)

S.No	Category / Course Code	Course Title	Hours Per week			Credits C	Examinations		Total T
			L	T	P		I	E	
1	BSC	Mathematics – II	3	0	0	3	30	70	100
2	BSC	Engineering Chemistry	3	0	0	3	30	70	100
3	ESC	Network Analysis and Electrical Technology	3	0	0	3	30	70	100
4	ESC	Semiconductor Devices & Circuits	3	0	0	3	30	70	100
5	ESC	C & Data Structures	1	0	4	3	30	70	100
6	ESC lab	Semiconductor Devices & Circuits Lab	0	0	3	1.5	15	35	50
7	BSC lab	Engineering Chemistry Lab	0	0	3	1.5	15	35	50
8	ESC lab	Engineering Workshop & IT Workshop	0	0	3	1.5	15	35	50
9	MC	Environmental Science	2	0	0	0	-	-	-
<b>Total Credits</b>						19.5	240	560	800

Category	Credits
Basic Science Course (BSC)	7.5
Engineering Science Courses (ESC)	7.5
<b>TOTAL CREDITS</b>	<b>19.5</b>

\*L Lecture T Tutorials P Practical I Internal E External

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**II.B.Tech II Sem**

S.No	Category/ Course Code	Course Title	Hours Per week			Credits	Examinations		Total
			L	T	P	C	I	E	T
1	ESC	Control Systems	3	0	0	3	30	70	100
2	PCC	Analog Communication	3	0	0	3	30	70	100
3	PCC	Pulse and Digital Circuits	3	0	0	3	30	70	100
4	PCC	Electromagnetic Waves and Transmission lines	3	0	0	3	30	70	100
5	HSC	Universal Human Values: Understanding Harmony	3	0	3	3	30	70	100
6	PCC (LAB)	Signals and Systems Lab	0	0	3	1.5	15	35	50
7	PCC (LAB)	Analog Communication Lab	0	0	3	1.5	15	35	50
8	PCC (LAB)	Pulse and Digital Circuits Lab	0	0	3	1.5	15	35	50
9	<b>SOC*</b>	Employability Skills	1	0	2	2	30	70	100
10	MC	Creative Reading and Creative Writing	2	0	0	0			
<b>Total Credits</b>						21.5	270	630	900
<b>Internship 2 Months (Mandatory) during summer vacation</b>									
<b>Honors/Minor courses (The hours distribution can be 3-0-2 or 3-1-0 also)</b>						<b>4</b>	<b>0</b>	<b>0</b>	<b>4</b>

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