

**New B.Tech Programme Curriculum Structure  
2023 Session Onwards**

**SEMESTER- I**

Course No.	Course Title/ Course Type	L	T	P	C	Remarks
MA101	Mathematics – I	3	1	0	4	
ME101	Engineering Mechanics	3	0	0	3	
PH101/ CY101	Chemistry/Physics	2/3	1	0	3/4	
CE101	Engineering Drawing	1	0	4	3	
EE101/ EC101	Basic Electrical Engineering/Basic Electronics	2	0	0	2	
HS101	English Language Skills	2	0	0	2	
HS151	English Language Skills Lab	0	0	2	1	
CY151/ PH151	Chemistry Lab/Physics Lab	0	0	2	1	
EE151/ EC151	Basic Electrical Engineering Lab/ Basic Electronics Engineering Lab	0	0	2	1	
		13/14	2	10		
		<b>25/26</b>			<b>20/21</b>	

**SEMESTER II**

Course No.	Course Title/ Course Type	L	T	P	Cr	Remarks
MA102	Mathematics – II	3	1	0	4	
EE101/ EC101	Basic Electronics / Electrical Engineering	2	0	0	2	
PH101/ CY101	Physics /Chemistry	3/2	1	0	4/3	
ES102	Environmental Science	2	0	0	2	
CS102	Introduction to Computing	2	1	0	3	
CE102	Workshop Practice	0	0	4	2	
EE151/ EC151	Basic Electrical Engineering Lab/ Basic Electronics Engineering Lab	0	0	2	1	
CY151/ PH151	Chemistry Lab/Physics Lab	0	0	2	1	
CS151	Computing Lab	0	0	2	1	
<b>VA102</b>	<b>Skill Development and Prototyping</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>1</b>	
		<b>12/11</b>	<b>3</b>	<b>12</b>		
		<b>27/26</b>			<b>21/20</b>	

**Semester: III**

Course No.	Course Title / Course Type	L	T	P	C	Remarks
XX200	Mahemaics-3	3	1	0	4	
XX200	Professional Core-1	3	0	0	3	
XX200	Professional Core-2	3	0	0	3	
XX200	Professional Core-3	3	0	0	3	
XX200	Special Course-1	2	0	0	2	
XX200	Lab course-1	0	1	2	2	
XX200	Lab course-2	0	1	2	2	
XX200	Lab course-3	0	0	2	1	
		14	3	6		
		<b>23</b>			<b>20</b>	

**Semester: IV**

Course No.	Course Title / Course Type	L	T	P	C	Remarks
XX200	Professional Core-4	3	1	0	4	
XX200	Professional Core-5	3	0	0	3	
XX200	Professional Core-6	3	0	0	3	
XX200	Professional Elective-1	3	0	0	3	
XX200	Professional Elective-2	3	0	0	3	
XX200	Open Elective-1	2	0	0	2	
XX200	Lab course-4	0	0	2	1	
XX200	Lab course-5	0	1	2	2	
XX200	Lab course-6	0	1	2	2	
		17	3	6		
		<b>26</b>			<b>23</b>	

**Semester: V**

Course No.	Course Title / Course Type	L	T	P	C	Remarks
XX300	Professional Core-7	3	0	0	3	
XX300	Professional Core-8	3	1	0	4	
XX300	Professional Core-9	3	1	0	4	
XX300	Professional Elective-3	3	0	0	3	
XX300	Professional Elective-4	3	0	0	3	
XX300	Open Elective-2	2	0	0	2	
XX300	Lab course-7	0	0	2	1	
XX300	Lab course-8	0	1	2	2	
XX300	Lab course-9	0	1	2	2	
		17	4	6		
		<b>27</b>			<b>24</b>	

**Semester: VI**

Course No.	Course Title / Course Type	L	T	P	C	Remarks
XX300	Professional Core-10	3	1	0	4	
XX300	Professional Core-11	3	0	0	3	
XX300	Professional Elective-5	3	0	0	3	
XX300	Professional Elective-6	3	0	0	3	
XX300	Open Elective-3	2	0	0	2	
XX300	Special HS course-2	2	0	0	2	
XX300	Lab course-10	0	1	2	2	
XX300	Lab course-11	0	1	2	2	
XX300	Minor Project	0	0	2	1	
		16	3	6		
		<b>25</b>			<b>22</b>	

**Semester: VII**

Course No.	Course Title / Course Type	L	T	P	C	Remarks
XX400	Project-I	0	0	10	5	
XX400	Professional Elective-7	3	0	0	3	
XX400	Professional Elective-8	3	0	0	3	
XX400	Open Elective-4	2	0	0	2	
XX400	Special course-3	2	0	0	2	
XX400	Lab course-12	0	1	2	2	
XX400	Summer Internships*	0	0	0	2	
		10	1	12		
		<b>23</b>			<b>19</b>	

\*The Summer Internships should be of at least eight weeks, which can be split over two summer breaks (one after 4<sup>th</sup> Semester and the other after 6<sup>th</sup> Semester) with at least four weeks each.

**Semester: VIII**

Course No.	Course Title / Course Type	L	T	P	C	Remarks
XX400	Project-II	0	0	18	9	
XX400	Professional Elective-9	3	0	0	3	
XX400	Professional Elective-10	3	0	0	3	
XX400	Special Course-4	2	0	0	2	
		08	0	18		
		<b>26</b>			<b>17</b>	