



VIDYA JYOTHI INSTITUTE OF TECHNOLOGY
An Autonomous Institution
Aziznagar Gate, C.B. Post, Hyderabad – 500075, Telangana, India.

DEPARTMENT OF HUMANITIES & SCIENCES

COURSE STRUCTURE (R-18)

**For the
Bachelor of Technology
(B. Tech)**

With effect from the Academic Year 2018-19



DEPARTMENT OF HUMANITIES & SCIENCES
B. TECH I YEAR COURSE STRUCTURE 2018-19
(Civil Engineering)
Semester – I

S.No.	Course Category	Course Title	L	T	P	C
1	BS-1	Mathematics-I	3	1	0	4
2	BS-2	Chemistry	3	1	0	4
3	BS-Lab 1	Chemistry Lab	0	0	3	1.5
4	H&S-1	English	2	0	0	2
5	H&S_Lab 1	English Language Skills Lab (ELSL)	0	0	2	1
6	ES-1	Programming for Problem Solving-I	2	0	0	2
7	ES-Lab 1	Programming for Problem Solving Lab-I	0	0	2	1
8	ES-Lab 2	Engineering Workshop	0	1	3	2.5
Total			10	3	10	18

B. Tech. I Year I Semester

S.No.	Course Category	Course Title	L	T	P	C
1	BS-3	Mathematics-II	3	1	0	4
2	BS-4	Engineering Physics	3	1	0	4
3	BS-Lab 2	Engineering Physics Lab	0	0	3	1.5
4	ES-2	Engineering Mechanics	4	0	0	4
5	ES-3	Engineering Graphics & Modeling	1	0	3	2.5
6	H&S-Lab 2	English Communication Skills Lab (ECSL)	0	0	2	1
7	ES-4	Programming for Problem Solving-II	2	0	0	2
8	ES-Lab 3	Programming for Problem Solving Lab-II	0	0	2	1
Total			13	2	10	20



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(Electrical & Electronics Engineering)

Semester I

S.No.	Course Category	Course Title	L	T	P	Credits
1.	BS-1	Mathematics - I	3	1	0	4.0
2.	BS-2	Chemistry	3	1	0	4.0
3.	BS-Lab 1	Chemistry Lab	0	0	3	1.5
4.	H&S-1	English	2	0	0	2.0
5.	H&S-Lab 1	English Language Skills Lab (ELSL)	0	0	2	1.0
6.	ES-1	Programming for Problem Solving - I	2	0	0	2.0
7.	ES-Lab`1	Programming for Problem Solving Lab-I	0	0	2	1.0
8.	ES-Lab 2	Engineering Workshop	0	1	3	2.5
Total			10	3	10	18

Semester II

S.No.	Course Category	Course Title	L	T	P	Credits
1.	BS-3	Mathematics-II	3	1	0	4.0
2.	BS-4	Engineering Physics	3	1	0	4.0
3.	BS-Lab 2	Engineering Physics Lab	0	0	3	1.5
4.	ES-2	Basic Electrical Engineering	3	0	0	3.0
5.	ES-Lab 3	Basic Electrical Engineering Lab	0	0	2	1.0
6.	ES-3	Engineering Graphics & Modeling	1	0	3	2.5
7.	H&S-Lab 2	English Communication Skills Lab (ECSL)	0	0	2	1.0
8.	ES-4	Programming for Problem Solving-II	2	0	0	2.0
9.	ES-Lab 4	Programming for Problem Solving Lab-II	0	0	2	1.0
Total			12	2	12	20



DEPARTMENT OF HUMANITIES & SCIENCES

B. TECH I YEAR COURSE STRUCTURE 2018-19
(Mechanical Engineering)

Semester – I

S.No.	Course Category	Course Title	L	T	P	C
1	BS-1	Mathematics-I	3	1	0	4
2	BS-2	Chemistry	3	1	0	4
3	BS-Lab 1	Chemistry Lab	0	0	3	1.5
4	H&S-1	English	2	0	0	2
5	H&S-Lab 1	English Language Skills Lab (ELSL)	0	0	2	1
6	ES-1	Programming for Problem Solving-I	2	0	0	2
7	ES-Lab 1	Programming for Problem Solving Lab-I	0	0	2	1
8	ES-Lab 2	Engineering Workshop	0	1	3	2.5
Total Number of Credits			10	3	10	18

B.Tech I Year II Semester:

S.No.	Course Category	Course Title	L	T	P	C
1	BS-3	Mathematics-II	3	1	0	4
2	BS-4	Engineering Physics	3	1	0	4
3	BS-Lab 2	Engineering Physics Lab	0	0	3	1.5
4	ES-2	Engineering Mechanics	4	0	0	4
5	ES-3	Engineering Graphics & Modeling	1	0	3	2.5
6	H&S-Lab 2	English Communication Skills Lab (ECSL)	0	0	2	1
7	ES-4	Programming for Problem Solving-II	2	0	0	2
8	ES-Lab 3	Programming for Problem Solving Lab-II	0	0	2	1
Total			13	2	10	20



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DEPARTMENT OF HUMANITIES & SCIENCES
B. TECH I YEAR COURSE STRUCTURE 2018-19
(Electronics & Communication Engineering)

Semester – I

S.No.	Course Category	Course Title	L	T	P	Credits
1.	BS-1	Mathematics-I	3	1	0	4.0
2.	BS-2	Applied Physics	3	1	0	4.0
3.	BS-Lab 1	Applied Physics Lab	0	0	3	1.5
4.	ES -1	Basic Electrical Engineering	3	0	0	3.0
5.	ES-Lab 1	Basic Electrical Engineering Lab	0	0	2	1.0
6.	ES-2	Engineering Graphics & Modeling	1	0	3	2.5
7.	H&S-Lab 1	English Language Skills Lab (ELSL)	0	0	2	1.0
8.	ES-3	Programming for Problem Solving-I	2	0	0	2.0
9.	ES-Lab 2	Programming for Problem Solving Lab-I	0	0	2	1.0
Total number of Credits			12	2	12	20

I B.Tech II Semester:

S.No.	Course Category	Course Title	L	T	P	Credits
1.	BS-3	Mathematics-II	3	1	0	4.0
2.	BS-4	Chemistry	3	1	0	4.0
3.	BS-Lab 2	Chemistry Lab	0	0	3	1.5
4.	H&S-1	English	2	0	0	2.0
5.	H&S-Lab 2	English Communication Skills Lab (ECSL)	0	0	2	1.0
6.	ES-4	Programming for Problem Solving-II	2	0	0	2.0
7.	ES-Lab3	Programming for Problem Solving Lab-II	0	0	2	1.0
8.	ES-Lab 4	Engineering Workshop	0	1	3	2.5
Total number of Credits			10	3	10	18



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DEPARTMENT OF HUMANITIES & SCIENCES
B. TECH I YEAR COURSE STRUCTURE 2024-25
(Computer Science and Engineering)
Semester – I

S.No	Course Category	Course Title	L	T	P	Credits
1	BS-1	Mathematics-I	3	1	0	4.0
2	BS-2	Applied Physics	3	1	0	4.0
3	BS-Lab 1	Applied Physics Lab	0	0	3	1.5
4	ES-1	Basic Electrical Engineering	3	0	0	3.0
5	ES-Lab 1	Basic Electrical Engineering Lab	0	0	2	1.0
6	ES-2	Engineering Graphics & Modeling	1	0	3	2.5
7	H&S-Lab 1	English Language Skills Lab (ELSL)	0	0	2	1.0
8	ES-3	Programming for Problem Solving-I	2	0	0	2.0
9	ES-Lab 2	Programming for Problem Solving Lab-I	0	0	2	1.0
Total			12	2	12	20

B. Tech. I Year II Semester

S.No	Course Category	Course Title	L	T	P	Credits
1	BS-3	Mathematics-II	3	1	0	4.0
2	BS-4	Chemistry	3	1	0	4.0
3	BS-Lab 2	Chemistry Lab	0	0	3	1.5
4	H&S-1	English	2	0	0	2.0
5	H&S-Lab 2	English Communication Skills Lab(ECSL)	0	0	2	1.0
6	ES-4	Programming for Problem Solving-II	2	0	0	2.0
7	ES-Lab 3	Programming for Problem Solving Lab-II	0	0	2	1.0
8	ES -Lab 4	Engineering Workshop	0	1	3	2.5
Total			10	3	10	18



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DEPARTMENT OF HUMANITIES & SCIENCES
B. TECH I YEAR COURSE STRUCTURE 2024-25
(Information Technology)
Semester – I

S.No	Course Category	Course Title	L	T	P	Credits
1	BS-1	Mathematics-I	3	1	0	4
2	BS-2	Applied Physics	3	1	0	4
3	BS-Lab 1	Applied Physics Lab	0	0	3	1.5
4	ES-1	Basic Electrical Engineering	3	0	0	3
5	ES-Lab 1	Basic Electrical Engineering Lab	0	0	2	1
6	ES-2	Engineering Graphics & Modeling	1	0	3	2.5
7	H&S-Lab 1	English Language Skills Lab (ELSL)	0	0	2	1
8	ES-3	Programming for Problem Solving-I	2	0	0	2
9	ES-Lab 2	Programming for Problem Solving Lab-I	0	0	2	1
Total			12	2	12	20

B. Tech. I Year II Semester:

S.No	Course Category	Course Title	L	T	P	Credits
1	BS-3	Mathematics-II	3	1	0	4
2	BS-4	Chemistry	3	1	0	4
3	BS-Lab 2	Chemistry Lab	0	0	3	1.5
4	H&S-1	English	2	0	0	2
5	H&S-Lab 2	English Communication Skills Lab (ECSL)	0	0	2	1
6	ES-4	Programming for Problem Solving-II	2	0	0	2
7	ES-Lab 3	Programming for Problem Solving Lab-II	0	0	2	1
8	ES-Lab 4	Engineering Workshop	0	1	3	2.5
Total			10	3	10	18