

FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY
(An Autonomous Institution)



B. Tech Curriculum 2026
SEMESTER I to VIII
COMPUTER SCIENCE AND ENGINEERING
Branch Code: CSE
Stream-A

Hormis Nagar, Mookkannoor, Angamaly
Kerala - 683 577

Curriculum Structure – Stream A

Computer and Information Science

- **Computer Science and Engineering (CSE)**
- **Computer System Design (CSD)**

1. Course Category

The curriculum is designed to provide a balanced and comprehensive learning experience. The courses are categorized as follows:

1. **Program Core Courses (PCC)** – Fundamental courses essential to Computer Science and System Design.
2. **Program Core - Project-Based Learning (PBL)** – Hands-on learning through projects in software and system development.
3. **Program Elective Courses (PEC)** – Program specialized courses chosen by students based on interest.
4. **Open Elective Courses/Industry Elective Courses (OEC/IEC)** – Courses from other engineering disciplines or industry-relevant courses.
5. **Humanities and Social Sciences including Management Courses (HMC)** – Ethics, Communication and Managerial Skills Development.
6. **Humanities and Social Sciences including Management Elective Courses (HME)** - Specialized courses chosen by students based on interest in Ethics, Communication and Managerial Skills Development.
7. **Basic Science Courses (BSC)** – Foundational Mathematics, Physics and Chemistry courses.
8. **Engineering Science Courses (ESC)** – Courses applying Engineering principles in practice.
9. **Program Core Laboratory Courses (PCL)** - Fundamental laboratory courses essential to Computer Science and System Design.
10. **Skill Enhancement Courses (SEC)** – Technical and Professional skill enhancement courses.
11. **Seminar (SMR)** – Research based discussions and presentations.
12. **Project (PRJ)** – Capstone projects integrating knowledge in computing.
13. **Value added Course (VAC)** - Additional courses enhancing domain expertise, including **Minor** (interdisciplinary courses from other departments) and **Honors** (advanced courses within the student's specialization).
14. **Internship Courses (INC/INM)** - Industry/ R&D organizations/Academic Institution of National importance/IDEA lab/Centre for Future Skills(CFS) oriented Experiential learning.

2. Curriculum Design and Structure

- **Separate Curriculum Tables for First-Year Semesters:**
 - The first and second semesters have individual tabular representations.
 - Half of the branches in the institution can opt for **Engineering Physics/Universal Human Values in Semester 1** and **Engineering Chemistry/Life Skills and Professional Communication in Semester 2** and vice versa.
- **Unified Curriculum Table for Higher Semesters:**
 - From the third to eighth semester, a common tabular format is used for Stream A while retaining discipline-specific subjects.
- **10-Day Induction Program:**
 - Introduces students to academic expectations, ethics and foundational skill-building.

3. Abbreviations Used

- **L** – Lecture Hours
- **T** – Tutorial Hours
- **P** – Practical/Laboratory Hours
- **R** – Research/Project-Based Learning
- **SS** – Self Study
- **CIA** – Continuous Internal Assessment
- **ESE** – End Semester Examination

4. Self Study Hours Calculation

$$SS = 1.5L + 0.5T + 0.5P + R$$

Self-Study (SS) hours represent the estimated time a student is expected to spend outside regular contact hours for effective learning, preparation and reinforcement of course content. These hours are calculated based on the instructional components of the course to ensure adequate academic engagement and attainment of Course Outcomes.

FIRST SEMESTER- Stream A													
10 Days Compulsory Induction Program													
Sl. No	Slot	Course Code	Course Category	Course Title (Course Name)	Credit Structure				SS	Total Marks		Credits	Hrs./ Week
					L	T	P	R		CIA	ESE		
1	A	26ANNBS101	BSC	Differential and Integral Calculus	2	1	0	0	3.5	40	60	3	3
2	B S1 / S2	26ANNBS102	BSC	Engineering Physics -A	2	0	2	0	4	40	60	3	4
		26ABNBS103		Engineering Chemistry-AB									
3	C	26ABMES101	ESC	Engineering Graphics and Computer Aided Drawing	2	0	2	0	4	40	60	3	4
4	D	26ABNES102	ESC	Introduction to Electrical & Electronics Engineering (Part1:Electrical Engineering)	2	0	0	0	3	20	30	4	4
				(Part2:Electronics Engineering)	2	0	0	0	3	20	30		
5	E	26ABCES103	ESC	Algorithmic Thinking with Python	2	0	2	0	4	40	60	4	4
6	F	26ABMEL101	ESC	Basic Electrical and Electronics Engineering Workshop	0	0	2	0	1	50	50	2	2
7	G S1 / S2	26ABCHM101	HMC	Life Skills, Ethics & Wellness	1	0	1	0	2*	40	60	1	2
		26ABCHM102		Universal Human Values and Constitution of India	2	0	0	0	3*	40	60		
8	S	26ANNSE10Q /26SNNSE10Q	SEC	Skill Enhancement Course								1	2
Total									24.5/ 25.5			21	25

SECOND SEMESTER- Stream A													
Sl. No	Slot	Course Code	Course Category	Course Title (Course Name)	Credit Structure				SS	Total Marks		Credits	Hrs./ Week
					L	T	P	R		CIA	ESE		
1	A	26ANNBS201	BSC	Linear Algebra	2	1	0	0	3.5	40	60	3	3
2	B S1/ S2	26ANNBS102	BSC	Engineering Physics -A	2	0	2	0	4	40	60	3	4
		26ABNBS103		Engineering Chemistry -AB									
3	C	26ABNES201	ESC	Introduction to Computing Systems and Web Design	2	0	2	0	4	40	60	4	4
4	D	26ABNES202	ESC	Programming in C	2	1	0	0	3.5	40	60	3	4
5	E	26ANNPC201	PCC	Discrete Mathematics	2	1	0	0	3.5	40	60	3	3
6	F	26ABCHM201	HMC	Professional Communication	1	0	1	0	2	40	60	2	2
7	G S1/ S2	26ABCHM101	HMC	Life Skills, Ethics & Wellness	1	0	1	0	2*	40	60	1	2
		26ABCHM102		Universal Human Values and Constitution of India	2	0	0	0	3*	40	60		
8	H	26ABNEL201	ESC	C Programming Lab	0	0	2	0	1	50	50	2	2
9	S	26ANNSE20Q /26SNNSE20Q	SEC	Skill Enhancement Course								1	2
Total									23.5/ 24.5			22	26

THIRD SEMESTER- Stream A													
Sl. No	Slot	Course Code	Course Category	Course Title (Course Name)	Credit Structure				SS	Total Marks		Credits	Hrs./ Week
					L	T	P	R		CIA	ESE		
1	A	26ANNBS301	BSC	Probability Distributions, Random Process and Markov Chain	2	1	0	0	3.5	40	60	3	3
2	B	26ANNPC301	PCC	Data Structures and Algorithms	2	1	0	0	3.5	40	60	3	3
3	C	26ANNPC302	PCC	Computer Organization and Architecture	2	1	0	0	3.5	40	60	3	3
4	D	26ANNPB301	PBL	Object Oriented Programming using Java	3	0	0	1	5.5	60	40	4	4
5	E	26ANNES301	ESC	Digital Electronics & Logic Design	2	1	0	0	3.5	40	60	3	3
6	F S3/S4	26ABCES302	ESC	Disaster Management and Sustainable Development	2	0	0	0	3	40	60	2	2
		26ABCES303		Design Thinking and Product Development									
7	G	26ANNLC301	PCL	Data Structures Lab	0	0	3	0	1.5	50	50	2	3
8	H	26ANNLC302	PCL	Digital Lab	0	0	3	0	1.5	50	50	2	3
9	M	26ANNVM301	VAC	MINOR	3	0	0	0	4.5	40	60	4*	3*
	R	REMEDIAL											
10	S	26ANNSE30Q/ 26SNNSE30Q	SEC	Skill Enhancement Course								1	2
Total									25.5/ 30*			23/27*	26/29*

Note:

- ❖ Starting from the third semester, students may choose to enroll in Minor courses. Each department will offer one Minor Basket, consisting of five carefully curated subjects designed for students from other disciplines to gain interdisciplinary knowledge and skills.
- ❖ Students who do not opt for either Minor or Honour courses shall be offered remedial classes or enrichment activities, as decided by the department based on the student's learning needs to strengthen foundational knowledge and improve academic performance.

FOURTH SEMESTER- Stream A													
Sl. No	Slot	Course Code	Course Category	Course Title (Course Name)	Credit Structure				SS	Total Marks		Credits	Hrs./ Week
					L	T	P	R		CIA	ESE		
1	A	26ANNBS401	BSC	Graph Theory	2	1	0	0	3.5	40	60	3	3
2	B	26ANNPC401	PCC	Theory of Computation	2	1	0	0	3.5	40	60	3	3
3	C	26ANNPC402	PCC	Machine Learning	2	1	0	0	3.5	40	60	3	3
4	D	26ANNPC403	PCC	Operating Systems	2	1	0	0	3.5	40	60	3	3
5	E	26SNNPB401	PBL	Software Engineering Practices	3	0	0	1	5.5	60	40	4	4
6	F S3/S4	26ABCES302	ESC	Disaster Management and Sustainable Development	2	0	0	0	3	40	60	2	2
		26ABCES303		Design Thinking and Product Development									
7	G	26ANNLC401	PCL	Machine Learning Lab	0	0	3	0	1.5	50	50	2	3
8	H	26ANNLC402	PCL	Operating Systems Lab	0	0	3	0	1.5	50	50	2	3
9	M	26ANNVM401	VAC	MINOR	3	0	0	0	4.5	40	60	4*	3*
	U	26ANNVH4Q1/26SNNVH4Q1		HONORS	3	0	0	0	4.5	40	60	4*	3*
	R	REMEDIAL											
10	S	26ANNSE40Q/26SNNSE40Q	SEC	Skill Enhancement Course								1	2
Total									25.5/34.5*			23/31*	26/32*

Note:

- ❖ Disaster Management and Sustainable Development and Design Thinking and Product Development shall be offered in both Semester 3 (S3) and Semester 4 (S4). Half of the branches in the institution will be offered Disaster Management and Sustainable Development in Semester 3 (S3) and Design Thinking and Product Development in Semester 4 (S4), while the remaining branches will follow the reverse sequence.
- ❖ After completing the fourth or fifth semester, during the semester break, every student shall undergo a mandatory internship of a minimum duration of 2 weeks with industry, R&D organizations, Academic Institution of National importance, IDEA lab, Centre for Future Skills(CFS), NGOs, Government organizations or micro, small and medium enterprises (MSMEs) to gain experiential and industry-oriented exposure. The internship committee shall coordinate and monitor all internship activities with members from the department and sister departments.
- ❖ Starting from the fourth semester, students may opt to enrol in Honors courses. Three distinct Honors course baskets will be offered, from which a student may choose one basket to pursue. Each Honors basket consists of five carefully curated subjects aimed at providing advanced knowledge and skills in the respective discipline.

FIFTH SEMESTER- Stream A													
Sl. No	Slot	Course Code	Course Category	Course Title (Course Name)	Credit Structure				SS	Total Marks		Credits	Hrs./ Week
					L	T	P	R		CIA	ESE		
1	A	26SNNPC501	PCC	Intelligence Systems & GenAI	2	1	0	0	3.5	40	60	3	3
2	B	26ANNPC502	PCC	Database Management Systems	2	1	0	0	3.5	40	60	3	3
3	C	26ANNPC503	PCC	Algorithm Analysis and Design	2	1	0	0	3.5	40	60	3	3
4	D	26ANNPB501	PBL	Microprocessors and Microcontrollers	3	0	0	1	5.5	60	40	4	4
5	E	26ANNPE51Q/26SNNPE51Q	PEC	PEC-1	3	0	0	0	4.5	40	60	3	3
6	F S5/S6	26ABCHM501	HMC	Engineering Entrepreneurship & IPR	2	0	0	0	3	40	60	3	2
		26ABCHM502		Economics For Engineers									
7	G	26ANNLC501	PCL	DBMS Lab	0	0	3	0	1.5	50	50	2	3
8	H	26SNNLC501	PCL	Algorithms Lab	0	0	3	0	1.5	50	50	2	3
9	M	26ANNVM501	VAC	MINOR	3	0	0	0	4.5	40	60	4*	3*
	U	26ANNVH5Q1/26SNNVH5Q1		HONORS	3	0	0	0	4.5	40	60	4*	3*
	R	REMEDIAL											
10	S	26ANNSE50Q/26SNNSE50Q	SEC	Skill Enhancement Course								1	2
	S5/S6	Industrial Visit (Maximum 5 Days are permitted, Not Exceeding more than 3 Working Days)											
Total									26.5/35.5*			24/32*	26/32*

Program Elective Courses (PEC-1)			
Sl. No	Course Code	Name of the Subject	Prerequisites(If Any)
1	26ANNPE511	Soft Computing	Nil
2	26ANNPE512	Cyber Ethics, Privacy And Legal Issues	Nil
3	26ANNPE513	Introduction to Data Science	Nil
4	26ANNPE514	Advanced Python Programming	Nil
5	26ANNPE515	Embedded System	Computer Organization and Architecture
6	26SNNPE511	Computer Graphics & Multimedia	Nil
7	26SNNPE512	Advanced Data Structures	Data Structures and Algorithms

- Students opting for Honors Basket 2 (Data Science) and Basket 3 (Security and Privacy) are not permitted to choose courses 26ANNPE513 and 26ANNPE512 respectively as electives in Semester V.

SIXTH SEMESTER- Stream A													
Sl. No	Slot	Course Code	Course Category	Course Title (Course Name)	Credit Structure				SS	Total Marks		Credits	Hrs./ Week
					L	T	P	R		CIA	ESE		
1	A	26SNNPC601	PCC	Advanced Computing Systems	2	1	0	0	3.5	40	60	3	3
2	B	26ANNPC602	PCC	Compiler Design	2	1	0	0	3.5	40	60	3	3
3	C	26ANNPC603	PCC	Computer Networks	2	1	0	0	3.5	40	60	3	3
4	D	26SNNPB601	PBL	Cryptography & Network Security	3	0	0	1	5.5	60	40	4	4
5	E	26ANNPE62Q/ 26SNNPE62Q	PEC	PEC-2	3	0	0	0	4.5	40	60	3	3
6	F S5/ S6	26ABCHM501	HMC	Engineering Entrepreneurship & IPR	2	0	0	0	3	40	60	3	2
		26ABCHM502		Economics For Engineers									
7	G	26SNNLC601	PCL	Networking Lab	0	0	3	0	1.5	50	50	2	3
8	H	26SNNPR601	PRJ	Mini Project: Socially Relevant Project	0	0	3	0	1.5	50	50	2	3
9	M	26ANNVM601	VAC	MINOR	3	0	0	0	4.5	40	60	3*	3*
	U	26ANNVH6Q1/ 26SNNVH6Q1		HONORS	3	0	0	0	4.5	40	60	4*	3*
	REMEDIAL												
10	S	26ANNSE60Q/ 26SNNSE60Q	SEC	Skill Enhancement Course								1	2
	S5/ S6	Industrial Visit (Maximum 5 Days are permitted, Not Exceeding more than 3 Working Days)											
11		26ABCIN601	INM	Mandatory Internship - Evaluation by a Committee								1	
Total									26.5/ 35.5*			25/32*	26/32*

Note:

- ❖ *Engineering Entrepreneurship & IPR and Engineering Economics shall be offered in both Semester 5 (S5) and Semester 6 (S6). Half of the branches in the institution shall be offered Engineering Entrepreneurship & IPR in S5 and Engineering Economics in S6, while the remaining branches shall be offered Engineering Economics in S5 and Engineering Entrepreneurship & IPR in S6.*

Program Elective Courses (PEC-2)			
Sl. No	Course Code	Name of the Subject	Prerequisites(If Any)
1	26ANNPE621	Deep Learning	Machine Learning
2	26ANNPE622	Digital Forensics	Nil
3	26ANNPE623	Data Analytics & Data Visualization	Nil
4	26ANNPE624	Full Stack Web Development	Nil
5	26ANNPE625	IoT Systems	Nil
6	26SNNPE621	Digital Image Processing	Nil
7	26SNNPE622	Randomized Algorithms	Algorithm Analysis and Design

- Students opting for Honors Basket 2 (Data Science) are not permitted to choose the course 26ANNPE623 as elective in Semester VI.

SEVENTH SEMESTER- Stream A													
Sl. No	Slot	Course Code	Course Category	Course Title (Course Name)	Credit Structure				SS	Total Marks		Credits	Hrs./ Week
					L	T	P	R		CIA	ESE		
1	A	26ANNPE73Q/ 26SNNPE73Q	PEC	PEC-3 (Internship Students: Self Study/MOOC Approved by the college/Online Classes)	3	0	0	0	4.5	40	60	3	3
2	B	26ANNPE74Q/ 26SNNPE74Q	PEC	PEC-4 (Internship Students: Self Study/MOOC Approved by the college/Online Classes)	3	0	0	0	4.5	40	60	3	3
3	C	26ANNOE71Q/ 26SNNIE71Q/ 26GNNIE71Q	OEC /IEC	OEC-1/ILE-1 (Internship Students: Self Study/MOOC Approved by the college /Online Classes)	3	0	0	0	4.5	40	60	3	3
4	D	26ABCHE71Q	HME	HME -1 (Internship Students: Self Study/MOOC Approved by the college/Online Classes)	2	0	0	0	3	40	60	1	2
5	S	26SNNSM701	SMR	Seminar	0	0	3	0	1.5	50	0	2	3
6	P	26SNNPR701/ 26SNNIN701	PRJ/INC	Major Project Phase-I/ Internship	0	0	0	8	8	100	0	4	8
7	U	26ANNVH7Q1/ 26SNNVH7Q1	VAC	HONORS	3	0	0	0	4.5	40	60	3*	3*
		REMEDIAL											
8	S	26SNNSE70Q	SEC	Skill Enhancement Course								1	2
Total									26/ 30.5*			17/20*	24/27*

Note:

- ❖ No Grade Points will be awarded for the D slot courses
- ❖ Open Electives are courses offered by departments other than the student's own, allowing interdisciplinary learning and broader knowledge acquisition.
- ❖ Students who opt for an internship should undergo an evaluation by a committee, which will assess their performance.

HME - 1		
Sl. No	Course Code	Name of the Subject
1	26ABCHE711	Organizational Behavior And Business Communication
2	26ABCHE712	Introduction to Indian Languages and Culture / MOOC
3	26ABCHE713	Proficiency course in French (B1 level) / MOOC
4	26ABCHE714	Proficiency Course in German(B1 Level) / MOOC
5	26ABCHE715	Proficiency Course in Spanish (B1 Level) / MOOC
6	26ABCHE716	Introduction to Japanese Language and Culture(N5 level) / MOOC

Program Elective Courses (PEC-3)			
Sl. No:	Course Code	Name of the Subject	Prerequisites(If Any)
1	26ANNPE731	Natural Language Processing	Nil
2	26ANNPE732	Cloud and IoT Security	Computer Networks
3	26ANNPE733	Big Data Analytics	Data Structures, DataBase Management Systems
4	26ANNPE734	Design Patterns	Object Oriented Programming Using Java
5	26ANNPE735	Edge Computing	Computer Networks
6	26SNNPE731	Pattern Recognition	Nil
7	26SNNPE732	Approximation Algorithms	Algorithm Analysis and Design

- Students opting for Honours Basket 2 (Data Science) and Basket 3 (Security and Privacy) are not permitted to choose courses 26ANNPE733 and 26ANNPE732 respectively as electives in Semester VII.

Program Elective Courses (PEC-4)			
Sl. No:	Course Code	Name of the Subject	Prerequisites(If Any)
1	26ANNPE741	MLOps & Deployment	Machine Learning
2	26ANNPE742	Blockchain Technologies	Nil
3	26ANNPE743	Business Intelligence Systems	Nil
4	26ANNPE744	Mobile Application Development	Nil
5	26ANNPE745	Computer Vision for Edge	Nil
6	26SNNPE741	Data Compression	Nil
7	26SNNPE742	Parallel Algorithms	Nil

- Students opting for Honours Basket 2 (Data Science) and Basket 3 (Security and Privacy) are not permitted to choose courses 26ANNPE743 and 26ANNPE742 respectively as electives in Semester VII.

OEC-1/IEC-1 Courses			
Sl. No:	Course Code	Name of the Subject	Prerequisites(If Any)
1	26ANNOE711	Web Technology	Nil
2	26ANNOE712	Data Structures	Nil
3	26ANNOE713	Object Oriented Programming	Nil
4	26ANNOE714	Foundations of Cryptography	Nil
5	26ANNOE715	Programming in Python	Nil

EIGHTH SEMESTER- Stream A													
Sl No	Slot	Course Code	Course Category	Course Title (Course Name)	Credit Structure				SS	Total Marks		Credits	Hrs./ Week
					L	T	P	R		CIA	ESE		
1	A	26ANNPE85Q/ 26SNNPE85Q	PEC	PEC-5 (Internship Students: Self Study/MOOC Approved by the College/Online Classes)	3	0	0	0	4.5	40	60	3	3
2	B	26ANNOE82Q/ 26SNNIE82Q	OEC/IEC	OEC-2/IEC-2 (Internship Students: Self Study/MOOC Approved by the College/Online Classes)	3	0	0	0	4.5	40	60	3	3
3	C	26ABCHM71Q	HME	HME -1 (Internship Students: Self Study/MOOC Approved by the college/Online Classes)	2	0	0	0	3	40	60	1	2
4	P	26SNNPR801/ 26SNNPJ801/ 26SNNIN801/	PRJ/ INC	Major Project Phase-II/ Major Project/ Internship	0	0	0	8	8	100	0	6	8
Total									20			13	16

Program Elective Courses (PEC-5)			
Sl. No:	Course Code	Name of the Subject	Prerequisites(If Any)
1	26ANNPE851	Explainable & Responsible AI	Artificial Intelligence, Deep Learning
2	26ANNPE852	DevOps principles and practices	Software Engineering, Operating Systems
3	26ANNPE853	Data Analytics for Bioinformatics	Introduction to Data Analytics
4	26ANNPE854	Software Testing	Software Engineering
5	26ANNPE855	Federated Machine Learning	Machine Learning
6	26SNNPE851	Speech and Audio processing	Nil
7	26SNNPE852	Computational Complexity	Algorithm Analysis and Design

OEC-2/IEC-2 Courses			
Sl. No:	Course Code	Name of the Subject	Prerequisites(If Any)
1	26ANNOE821	Machine Learning for Engineers	Nil
2	26ANNOE822	Cloud Computing	Nil
3	26ANNOE823	Internet of Things	Nil
4	26ANNOE824	Software Engineering	Nil
5	26ANNOE825	Introduction to Computer Networks	Nil

Minor Courses

Minor Courses (VAC)			
Sl. No:	Course Code	Name of the Subject	Prerequisites(If Any)
1	26ANNVM301	Applied Python Programming	Nil
2	26ANNVM401	Database System Concepts	Nil
3	26ANNVM501	Web Application Development	Nil
4	26ANNVM601	Software Architecture	Nil

Honor Courses

Honors Courses (VAC)- Basket 1 (Machine Learning)			
Sl. No:	Course Code	Name of the Subject	Prerequisites(If Any)
1	26ANNVH411	Data Preprocessing & Feature Learning	Machine Learning
2	26ANNVH511	Applied Optimization fo ML	Nil
3	26ANNVH611	Generative AI	Nil
4	26ANNVH711	Large Language Models	Nil

Honors Courses (VAC)- Basket 2 (Data Science)			
Sl. No:	Course Code	Name of the Subject	Prerequisites(If Any)
1	26ANNVH421	Foundations of Data Science	Nil
2	26ANNVH521	Applied Data Analytics	Nil
3	26ANNVH621	Big Data Applications	Nil
4	26ANNVH721	Business Data Systems	Nil

Honors Courses (VAC) - Basket 3 (Security and Privacy)			
Sl. No:	Course Code	Name of the Subject	Prerequisites(If Any)
1	26SNNVH431	Fundamentals of Cybersecurity	Nil
2	26SNNVH531	Blockchain and Cryptocurrencies	Nil
3	26SNNVH631	Security in Cloud and IoT Systems	Nil
4	26SNNVH731	Cybersecurity for AI systems	Nil

Credit Distribution Overview:

The credit allocation across S1-S8 semesters is structured based on different course types, as detailed below.

<i>Semester</i>	<i>BSC</i>	<i>ESC</i>	<i>HMC/ HME</i>	<i>SEC</i>	<i>PCC+ PCL</i>	<i>PC- PBL</i>	<i>PEC</i>	<i>OEC/ IEC</i>	<i>SMR + PRJ/ INC</i>	<i>INM</i>	<i>Total Credits Semester wise</i>
<i>S1</i>	6	13	1	1	-	-	-	-	-	-	21
<i>S2</i>	6	9	3	1	3	-	-	-	-	-	22
<i>S3</i>	3	5	-	1	10	4	-	-	-	-	23
<i>S4</i>	3	2	-	1	13	4	-	-	-	-	23
<i>S5</i>	-	-	3	1	13	4	3	-	-	-	24
<i>S6</i>	-	-	3	1	11	4	3	-	2	1	25
<i>S7</i>	-	-	1	1	-	-	6	3	6	-	17
<i>S8</i>	-	-	1	-	-	-	3	3	6	-	13
<i>Total-Type e wise /Semester wise</i>	18	29	12	7	50	16	15	6	14	1	168
Additional Credits											
<i>Minor Courses</i>	Minor courses are offered from the third to the sixth semester. (4+4+4+3=15 Credits)										15
<i>Honor Courses</i>	Honors courses are offered from the fourth to the seventh semester. (4+4+4+3=15 Credits)										15
<i>Activity Points Credits</i>	NSS, NCC, NSO (National Sports Organization) /Arts/Sports/Games/Union/Club Activities - 50 Points										1
	English Proficiency Certification (TOFEL, IELTS, BEC etc) /Aptitude Proficiency Certification (GRE, CAT, GMAT etc)/Valid Gate Score/Conferences/Paper Presentation/ Workshop Activities/ Professional Body Activities/Journal Publication, Patents, Start-Up/Skilling Certificates (Approved by the College) - 50 Points										1
TOTAL CREDITS- 190											

***75 Points/group for B. Tech Lateral Entry Students**

***A minimum of 100 Activity points are to be acquired for obtaining the 2 Activity Credits required in the curriculum.**