



ST. VINCENT PALLOTTI COLLEGE OF ENGINEERING & TECHNOLOGY, NAGPUR

(An autonomous institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)

B. Tech. Scheme of Examination & Syllabus 2026-27

COMPUTER SCIENCE AND ENGINEERING

Annexure – I

CREDIT FRAMEWORK STRUCTURE

Semester		I	II	III	IV	V	VI	VII	VIII	Total Credits
Basic Science Course	BSC/ESC	7	7	-	-	-	-	-	-	14
Engineering Science Course		6	6	-	-	-	-	-	-	12
Program Core Course (PCC)	Program Courses	2	2	13	10	7	4	6		44
Program Elective Course (PEC)		-	-	-	-	4	6	6	4	20
Multidisciplinary Minor (MDM)	Multidisciplinary Courses	-	-	2	3	3	3	3	-	14
Open Elective (OE) Other than a particular program		-	-	-	-	2	3	3	-	08
Vocational and Skill Enhancement Course (VSEC)	Skill Courses	-	2	1	1	2	2	-	-	08
Ability Enhancement Course (AEC -01, AEC-02)	Humanities Social Science and Management (HSSM)	1	1	-	-	2	-	-	-	04
Entrepreneurship/Economics/Management Courses		-	-	2	2	-	-	-	-	04
Indian Knowledge System (IKS)		2	-	-	-	-	-	-	-	02
Value Education Course (VEC)		-	-	2	2	-	-	-	-	04
Research Methodology	Experiential Learning Courses	-	-	-	-	-	-	-	4	04
Comm. Engg. Project (CEP)/ Field Project (FP)		-	-	-	2	-	-	-	-	02
Project		-	-	-	-	-	2	2	-	04
Internship/OJT		-	-	-	-	-	-	-	12	12
Co-curricular Courses (CC)	Liberal Learning Courses	2	2	-	-	-	-	-	-	04
Total Credits (Major)		20	20	20	20	20	20	20	20	160

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GROUP I: SEMESTER I

Sr No	Course Category	Course Code	Course Title	Hours per Week			Credits	Maximum Marks				Minimum Passing Marks	No of Hours for ESE
				L	T	P		Mid-Sem Examination	Continual Assessment	End Sem Examination	Total		
1	BSC	26CE101T	Engineering Chemistry	2	-	-	2	10	10	30	50	23	1.5
2	BSC	26CE101P	Engineering Chemistry Lab	-	-	2	1	-	25	25	50	25	-
3	BSC	26CE102T	Linear Algebra and Calculus	3	-	-	3	20	20	60	100	45	3
4	BSC	26CE102P	Linear Algebra and Calculus Lab	-	-	2	1	-	25	25	50	25	-
5	ESC	26CE103T	Logic building with C	3	-	-	3	20	20	60	100	45	3
6	ESC	26CE103P	Logic building with C Lab	-	-	2	1	-	25	25	50	25	-
7	ESC	26CE104T	Concepts in Computer Engineering	2	-	-	2	10	10	30	50	23	1.5
8	PCC	26CE105T	Digital Circuits	2	-	-	2	10	10	30	50	23	1.5
9	AEC	26CE106P	Business Communication Skills – I Lab	-	-	2	1	-	25	25	50	25	-
10	IKS	26CE107T	Indian Knowledge Systems #	2	-	-	2	10	10	30	50	23	1.5
11	CC	26CE108P	Co-curricular Courses - I	-	-	4	2	-	50	-	50	25	-
Total				14		12	20	80	230	340	650		

To be conducted online through NPTEL

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GROUP I: SEMESTER II

Sr. No	Course Category	Course Code	Course Title	Hours per Week			Credits	Maximum Marks				Minimum Passing Marks	No of Hours for ESE
				L	T	P		Mid-Sem Examination	Continual Assessment	End Semester Examination	Total		
1	BSC	26CE201T	Engineering Physics and Materials Science	2	-	-	2	10	10	30	50	23	1.5
2	BSC	26CE201P	Engineering Physics and Materials Science Lab	-	-	2	1	-	25	25	50	25	-
3	BSC	26CE202T	Statistics and Probability	3	-	-	3	20	20	60	100	45	3
4	BSC	26CE202P	Statistics and Probability Lab	-	-	2	1	-	25	25	50	25	-
5	ESC	26CE203T	Problem Solving with Python	3	-	-	3	20	20	60	100	45	3
6	ESC	26CE203P	Problem Solving with Python Lab	-	-	2	1	-	25	25	50	25	-
7	ESC	26CE204T	Modern Web Technologies	2	-	-	2	10	10	30	50	23	1.5
8	PCC	26CE205T	Computer Architecture	2	-	-	2	10	10	30	50	23	1.5
9	AEC	26CE206P	Business Communication Skills – II Lab	-	-	2	1	-	25	25	50	25	-
10	SEC	26CE207T	Design Thinking #	2	-	-	2	10	10	30	50	23	1.5
11	CC	26CE208P	Co-curricular Courses – II	-	-	4	2	-	50	-	50	25	-
Total				14		12	20	80	230	340	650		

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SEMESTER III

Sr. No	Course Category	Course Code	Course Title	Hours per Week			Credits	Maximum Marks				Minimum Passing Marks	No of Hours for ESE
				L	P	T		Mid-Sem Examination	Continual Assessment	End Semester Examination	Total		
1	PCC	26CE301T	Mathematics for Computer Engineering	3	-	-	3	20	20	60	100	45	3
2	PCC	26CE302T	Data Structure	3	-	-	3	20	20	60	100	45	3
3	PCC	26CE302P	Data Structure Lab	-	-	2	1	-	25	25	50	25	-
4	PCC	26CE303T	Object Oriented Programming	2	-	-	2	10	10	30	50	23	1.5
5	PCC	26CE303P	Object Oriented Programming Lab	-	-	2	1	-	25	25	50	25	-
6	PCC	26CE304T	Computer Networks	2	-	-	2	10	10	30	50	23	1.5
7	PCC	26CE305P	Computer Lab-I	-	-	2	1	-	25	25	50	25	-
8	VEC	26CE301T	Constitution of India	2	-	-	2	10	10	30	50	23	1.5
9	HSSM	26CE302T	Fundamentals of Entrepreneurship	2	-	-	2	10	10	30	50	23	1.5
10	SEC	26CE341P	Career Development – I	-	-	2	1	-	50	-	50	25	
11	MDM	26CE331M	MDM-I (Refer MDM basket)	2	-	-	2	10	10	30	50	23	1.5
Total				16	8	20	20	90	215	345	650		

MDM-I to be conducted online through NPTEL

Multidisciplinary Minor - I	
26CE331M	

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SEMESTER IV

Sr No	Course Category	Course Code	Course Title	Hours per Week			Credits	Maximum Marks				Minimum Passing Marks	No. of Hrs for ESE
				L	T	P		Mid-Sem Examination	Continual Assessment	End Sem Examination	Total		
1	PCC	26CE401T	Software Engineering and Project Management	2	-	-	2	10	10	30	50	23	1.5
2	PCC	26CE402T	Database Management System	3	-	-	3	20	20	60	100	45	3
3	PCC	26CE402P	Database Management System Lab	-	-	2	1	-	25	25	50	25	-
4	PCC	26CE403T	Design and Analysis of Algorithms	3	-	-	3	20	20	60	100	45	3
5	PCC	26CE403P	Design and Analysis of Algorithms Lab	-	-	2	1	-	25	25	50	25	-
6	VEC	26CE401T	Environmental Science	2	-	-	2	10	10	30	50	23	1.5
7	HSSM	26CE402T	Fundamentals of Economics and Management	2	-	-	2	10	10	30	50	23	1.5
8	SEC	26CE441P	Career Development - II	-	-	2	1	-	50	-	50	-	-
9	CEP	26CE404P	Mini Project*	-	-	4	2	-	50	-	50	-	-
10	MDM	26CE431M	MDM-II (Refer MDM basket)	3	-	-	3	20	20	60	100	45	3
Total				15		10	20	90	240	320	650		

* Field Project or Community engagement project in the major discipline

MDM- II to be conducted online through NPTEL

Multidisciplinary Minor - II	
26CE431M	

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SEMESTER V

Sr No	Course Category	Course Code	Course Title	Hours per Week			Credits	Maximum Marks				Minimum Passing Marks	No of Hours for ESE
				L	T	P		Mid-Sem Examination	Continual Assessment	End Sem Examination	Total		
1	PCC	26CE501T	Artificial Intelligence	3	-	-	3	20	20	60	100	45	3
2	PCC	26CE502T	Cryptography and Network Security	3	-	-	3	20	20	60	100	45	3
3	PCC	26CE502P	Computer Lab-II	-	-	2	1	-	25	25	50	25	-
4	PEC	26CE503T	Program Elective – I (Refer PEC basket)	2	-	-	2	10	10	30	50	23	1.5
5	PEC	26CE504T	Program Elective – II (Refer PEC basket)	2	-	-	2	10	10	30	50	23	1.5
6	VSC	26CE505P	Technical Skill Development - I	-	-	4	2	-	50	-	50	-	-
7	AEC	26CE541P	English for Engineers	-	-	4	2	-	50	-	50	-	-
8	MDM	26CE531M	MDM – III (Refer MDM basket)	3	-	-	3	20	20	60	100	45	3
9	OE	26CE561O	Open Elective – I (Refer OE basket)	2	-	-	2	10	10	30	50	23	1.5
Total				15		10	20	90	215	295	600		

MDM- III to be conducted online through NPTEL

26CE503T	Program Elective - I
26CE503T (i)	Machine Learning
26CE503T (ii)	Cloud Computing

26CE504T	Program Elective - II
26CE504T (i)	Cyber Security Essentials
26CE504T (ii)	Data Warehousing and Mining

26CE561O	Open Elective – I
26CE561O (i)	Advanced Programming in C
26CE561O (ii)	Python Programming
26CE561O (iii)	Statistical Analysis using R

Multidisciplinary Minor - III	
26CE531M	

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SEMESTER VI

Sr No	Course Category	Course Code	Course Title	Hours per Week			Credits	Maximum Marks				Minimum Passing Marks	No of Hours for ESE
				L	T	P		Mid-Sem Examination	Continual Assessment	End Sem Examination	Total		
1	PCC	26CE601T	Operating System	3	-	-	3	20	20	60	100	45	3
2	PCC	26CE601P	Computer Lab-III	-	-	2	1	-	25	25	50	25	-
3	PEC	26CE602T	Program Elective –III (Refer PEC basket)	3	-	-	3	20	20	60	100	45	3
4	PEC	26CE603T	Program Elective –IV (Refer PEC basket)	3	-	-	3	20	20	60	100	45	3
5	PROJ	26CE604P	Project - I	-	-	4	2	-	50	50	100	50	-
6	VSC	26CE605P	Technical Skill Development - II	-	-	4	2	-	50	-	50	-	-
7	MDM	26CE631M	MDM – IV (Refer MDM basket)	3	-	-	3	20	20	60	100	45	3
8	OE	26CE661O	Open Elective – II (Refer OE basket)	3	-	-	3	20	20	60	100	45	3
Total				15		10	20	100	225	375	700		

MDM- IV to be conducted online through NPTEL

26CE602T	Program Elective - III
26CE602T(i)	Deep Learning
26CE602T(ii)	DevOps & Cloud Automation

26CE603T	Program Elective - IV
26CE603T(i)	Digital Forensics & Incident Response
26CE603T(ii)	Data Analytics & Visualization

26CE661O	Open Elective – II
26CE661O(i)	Object Oriented Programming in C++
26CE661O(ii)	Data Analytics using Python
26CE561O(iii)	Social Networks

Multidisciplinary Minor - IV	
26CE631M	

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SEMESTER VII

Sr No	Course Category	Course Code	Course Title	Hours per Week			Credits	Maximum Marks				Minimum Passing Marks	No of Hours for ESE
				L	T	P		Mid-Sem Examination	Continual Assessment	End Sem Examination	Total		
1	PCC	26CE701T	Theory of Computation	3	-	-	3	20	20	60	100	45	3
2	PCC	26CE702T	Data Engineering	2	-	-	2	10	10	30	50	23	3
3	PCC	26CE702P	Computer Lab - IV	-	-	2	1	-	25	25	50	25	-
4	PEC	26CE703T	Program Elective – V (Refer PEC basket)	3	-	-	3	20	20	60	100	45	3
5	PEC	26CE704T	Program Elective-VI (Refer PEC basket)	3	-	-	3	20	20	60	100	45	3
6	PROJ	26CE705P	Project – II	-	-	4	2	-	50	50	100	50	-
7	MDM	26CE731M	MDM – V (Refer MDM basket)	3	-	-	3	20	20	60	100	45	3
8	OE	26CE761O	Open Elective – III (Refer OE basket)	3	-	-	3	20	20	60	100	45	3
Total				17		6	20	110	185	405	700		

MDM- V to be conducted online through NPTEL

26CE703T	Program Elective - V
26CE703T(i)	AI Ethics & Governance OR Ethical & Responsible AI
26CE703T(ii)	Cloud Security & Governance

26CE704T	Program Elective - VI
26CE704T(i)	Threat Intelligence & Ethical Hacking
26CE704T(ii)	Big Data Analytics

26CE761O	Open Elective – III
26CE761O(i)	Cyber Security and Ethics
26CE761O(ii)	Machine Learning
26CE761O(iii)	Data Visualization

Multidisciplinary Minor - V	
26CE731M	

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SEMESTER VIII

Option A

Sr. No	Course Category	Course Code	Course Title	Hours per Week			Credits	Maximum Marks				Minimum Passing Marks	Duration of ESE (hrs.)
				L	T	P		Mid Sem Examination	Continual Assessment	End Sem Examination	Total		
1.	RM	26CE801T	Research Methodology [#]	2	-	-	2	10	10	30	50	23	1.5
2.	RM	26CE801P	Research Methodology Lab [#]	-	-	4	2	-	25	25	50	25	-
3.	PEC	26CE802T	Program Elective – VII [#]	3	-	-	3	20	20	60	100	45	3
4.	PEC	26CE803P	Program Elective – VIII Lab [#]	-	-	2	1	-	25	25	50	25	-
5.	OJT	26CE804P(i)	Industry/Research Internship*	-	-	24	12	-	200	200	400	200	-
Total				5	0	30	20	30	280	340	650	-	-

Option B

Sr. No	Course Category	Course Code	Course Title	Hours per Week			Credits	Maximum Marks				Minimum Passing Marks	Duration of ESE (hrs.)
				L	T	P		Mid Sem Examination	Continual Assessment	End Sem Examination	Total		
1.	RM	26CE801T	Research Methodology [#]	2	-	-	2	10	10	30	50	23	1.5
2.	RM	26CE801P	Research Methodology Lab [#]	-	-	4	2	-	25	25	50	25	-
3.	PEC	26CE802T	Program Elective – VII [#]	3	-	-	3	20	20	60	100	45	3
4.	PEC	26CE803P	Program Elective – VIII Lab [#]	-	-	2	1	-	25	25	50	25	-
5.	ELC	26CE804P(ii)	Institutional Internship [§] and Project – III	-	-	24	12	-	200	200	400	200	-
Total				5	0	30	20	30	280	340	650	-	1.5

Option B is available to students only after recommendation of the concerned Head of the department. The project and internship should contribute towards career development plan of the students.

Courses to be mapped with NPTEL/SWAYAM/MOOC offered courses in that semester.

* One semester internship in any industry/ Research Institute is to be carried out.

§ One Semester Internship offered by Institute Level Cells such as TPDC/ IEDC / E-Yantra/ Team Ashwa Riders along with project in the Major Discipline assigned by department to be carried out.

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Basket for Multi-Disciplinary Minor Courses (MDM)

A. Computer Science and Engineering

Semester	Course Category	Course Code	Name of Course	SME Name	Weeks	Credits
III	MDM-I	26CE331M	Introduction to Operating Systems	Prof. Chester Rebeiro, IIT Madras	8 weeks	2
			Information Security - 5 Secure Systems Engineering	Prof. Chester Rebeiro , IIT Madras		
			Introduction to Blockchain Technology and Applications	Prof. Sandeep Shukla , IIT Kanpur		
IV	MDM-II	26CE431M	Computer Networks And Internet Protocol	Prof. Soumya Kanti Ghosh Prof. Sandip Chakraborty , IIT Kharagpur	12 weeks	3
			Ethical Hacking	Prof. Indranil Sengupta , IIT Kharagpur		
V	MDM-III	26CE531M	Introduction to Database Systems	Prof. Sreenivasa Kumar, IIT Madras	12 weeks	3
			Blockchain Architecture Design and Use Cases	Prof. Sandip Chakraborty & Prof. Praveen Jayachandran, IIT Kharagpur		
VI	MDM-IV	26CE631M	Cloud Computing	Prof. Soumya Kanti Ghosh IIT Kharagpur	12 weeks	3
			Foundation of Cloud IoT Edge ML	Prof. Rajiv Misra, IIT Patna		
VII	MDM-V	26CE731M	Cryptography and Network Security	Prof. Sourav Mukhopadhyay, IIT Kharagpur	12 weeks	3
			Practical Cyber Security for Cyber Security Practitioners	Prof. Sandeep K. Shukla , IIT Kanpur		
Total Credit						14

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Basket for Program Elective Courses (PEC)

B. Computer Science and Engineering

Semester	Course Category	Course Code	Name of Course	Credits
V	PEC-I	26CE503T (i)	Machine Learning	2
V	PEC-I	26CE503T (ii)	Cloud Computing	2
V	PEC-II	26CE504T (i)	Cyber Security Essentials	2
V	PEC-II	26CE504T (ii)	Data Warehousing and Mining	2
VI	PEC-III	26CE602T(i)	Deep Learning	3
VI	PEC-III	26CE602T(ii)	DevOps & Cloud Automation	3
VI	PEC-IV	26CE603T(i)	Digital Forensics & Incident Response	3
VI	PEC-IV	26CE603T(ii)	Data Analytics & Visualization	3
VII	PEC-V	26CE703T(i)	AI Ethics & Governance OR Ethical & Responsible AI	3
VII	PEC-V	26CE703T(ii)	Cloud Security & Governance	3
VII	PEC-VI	26CE704T(i)	Threat Intelligence & Ethical Hacking	3
VII	PEC-VI	26CE704T(ii)	Big Data Analytics	3
VIII	PEC-VI	26CE802T(i)	MLOps & AI Model Deployment	3
VIII	PEC-VI	26CE802T(ii)	Cloud Native Computing & Distributed Systems	3
VIII	PEC-VI	26CE802T(iii)	Cloud & Application Security	3
VIII	PEC-VI	26CE802T(iv)	Big Data Computing	3
VIII	PEC-VI	26CE802P(i)	AI Capstone Project	3
VIII	PEC-VI	26CE802P(ii)	Cloud Capstone Project	3
VIII	PEC-VI	26CE802P(iii)	Cyber Security Capstone Project	3
VIII	PEC-VI	26CE802P(iv)	Big Data Computing Capstone Project	3

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Basket for Open Elective Courses (OE)

C. Computer Science and Engineering

Semester	Course Category	Course Code	Name of Course	Credits
V	OE-I	26CE5610 (i)	Advanced Programming in C	2
V	OE-I	26CE5610 (ii)	Python Programming	
V	OE-I	26CE5610 (iii)	Statistical Analysis using R	
VI	OE-II	26CE6610(i)	Object Oriented Programming in C++	3
VI	OE-II	26CE6610(ii)	Data Analytics using Python	
VI	OE-II	26CE5610(iii)	Social Networks	
VII	OE-III	26CE7610(i)	Cyber Security and Ethics	3
VII	OE-III	26CE7610(ii)	Machine Learning	
VII	OE-III	26CE7610(iii)	Data Visualization	

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EXIT OPTIONS

Award of UG Certificate in Major with 40 credits and an additional 8 credits (After First Year)



EXIT COURSES (ANY TWO)			
S.N.	Course name	Mode of conduction	Credits
1.	Advanced Python Programming	NPTEL/MOOC/Internship	4
2.	Modern C++ Programming	NPTEL/MOOC/Internship	4
3.	Problem Solving Through Programming in C	NPTEL/MOOC/Internship	4

Award of UG Diploma in Major with 80credits and an additional 8 credits (After Second Year)

EXIT COURSES (ANY TWO)			
S.N.	Course name	Mode of conduction	Credits
1.	Programming in Java	NPTEL/MOOC/Internship	4
2.	Software Testing	NPTEL/MOOC/Internship	4
3.	Python for Data Science	NPTEL/MOOC/Internship	4

Award of UG Degree in Major with 120credits and an additional 8 credits (After Third Year)

EXIT COURSES (ANY TWO)			
S.N.	Course name	Mode of conduction	Credits
1.	Introduction to Machine Learning	NPTEL/MOOC/Internship	4
2.	Fundamentals of Artificial Intelligence	NPTEL/MOOC/Internship	4
3.	Ethical Hacking	NPTEL/MOOC/Internship	4

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COMPUTER SCIENCE AND ENGINEERING

Scheme of Examination -Minors

(Big Data and Cloud Computing)

Sr. No	Course Category	Course Code	Course Title	Hours per Week			Credits	Maximum Marks				No of Hours for ESE
				L	T	P		Mid-Sem Examination	Continual Assessment	End Sem Examination	Total	
1.	Minor	26CEM401T	Discrete Mathematics	-	-	-	3	-	-	-	-	NPTEL/MOOCs
2.	Minor	26CEM501T	Fundamentals of Object Oriented Programming	-	-	-	3	-	-	-	-	NPTEL/MOOCs
3.	Minor	26CEM601T	Introduction to Database Systems	-	-	-	3	-	-	-	-	NPTEL/MOOCs
4.	Minor	26CEM602T	Big Data & Computing	-	-	-	3	-	-	-	-	NPTEL/MOOCs
5.	Minor	26CEM701T	Cloud Computing	-	-	-	3	-	-	-	-	NPTEL/MOOCs
6.	Minor	26CEM702T	Cloud Computing and Distributed Systems	-	-	-	3	-	-	-	-	NPTEL/MOOCs
Total				-	-	-	18	-	-	-	-	

Attached Details of NPTEL Courses with Link

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COMPUTER SCIENCE AND ENGINEERING

Sr. No.	Sem	Course Category	Course Code	Name of Course	SME Name	Link	Weeks	Credits
1	4 th	Minor	26CEM401T	Discrete Mathematics	By Prof. Ashish Choudhury IIIT Bangalore	Discrete Mathematics - IIITB - Course (https://onlinecourses.nptel.ac.in/noc25_cs127/preview)	12 weeks	3
2	5 th	Minor	26CEM501T	Fundamentals of Object Oriented Programming	By Prof. Balasubramanian Raman IIT Roorkee	Fundamentals of Object Oriented Programming - Course (https://onlinecourses.nptel.ac.in/noc25_cs34/preview)	12 weeks	3
3	6 th	Minor	26CEM601T	Introduction to Database Systems	By Prof. Sreenivasa Kumar IIT Madras	Introduction to Database Systems - Course (https://onlinecourses.nptel.ac.in/noc23_cs29/preview)	12 weeks	3
4	6 th	Minor	26CEM602T	Big Data & Computing	By Prof. Rajiv Misra IIT Patna	Big Data Computing - Course (https://onlinecourses.nptel.ac.in/noc20_cs92/preview)	8 weeks	2
5	7 th	Minor	26CEM701T	Cloud Computing	By Prof. Soumya Kanti Ghosh IIT Kharagpur	Cloud computing - Course (https://onlinecourses.nptel.ac.in/noc21_cs14/preview)	8 weeks	2
6	7 th	Minor	26CEM702T	Cloud Computing and Distributed Systems	Prof. Rajiv Mishra, IIT Patna	Cloud Computing and Distributed Systems https://nptel.ac.in/courses/106104182	8 weeks	2
Total Credit								15



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B. Tech. Scheme of Examination & Syllabus 2026-27



COMPUTER SCIENCE AND ENGINEERING

Scheme of Examination -Honors

(Data Science Machine Learning)

Sr. No	Course Category	Course Code	Course Title	Hours per Week			Credits	Maximum Marks				No of Hours for ESE
				L	T	P		Mid-Sem Examination	Continual Assessment	End Sem Examination	Total	
1.	Honor	26CEH401T	Statistics for Data Science	-	-	-	3	-	-	-	-	NPTEL/MOOCs
2.	Honor	26CEH501T	Introduction to Machine Learning using Python	-	-	-	3	-	-	-	-	NPTEL/MOOCs
3.	Honor	26CEH601T	Data handling and Visualization	-	-	-	3	-	-	-	-	NPTEL/MOOCs
4.	Honor	26CEH701T	Business and Web Analytics	-	-	-	3	-	-	-	-	NPTEL/MOOCs
5.	Honor	26CEH801T	Deep Learning for Natural Language Processing	-	-	-	3	-	-	-	-	NPTEL/MOOCs
6.	Honor	26CEH802T	Exploratory Data Analysis for Data Science with R Software	-	-	-	3	-	-	-	-	NPTEL/MOOCs
Total				-	-	-	18	-	-	-	-	-

Attached Details of NPTEL Courses with Link

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COMPUTER SCIENCE AND ENGINEERING

Sr. No.	Sem	Course Category	Course Code	Name of Course	SME Name	Link	Weeks	Credits
1	4 th	Honor	26CEH401T	Statistics for Data Science	By Prof. Arindam Banerjee IIT Kharagpur	https://onlinecourses.nptel.ac.in/noc26_cs09/preview	12 weeks	3
2	5 th	Honor	26CEH501T	Introduction to Machine Learning using Python	Prof. Sudeshna Sarkar	https://nptel.ac.in/courses/106105152	8 weeks	2
3	6 th	Honor	26CEH601T	Data handling and Visualization	Prof. Sameen Naqvi	https://nptel.ac.in/courses/111106415	12 weeks	3
4	7 th	Honor	26CEH701T	Business and Web Analytics	By Prof. Saji K Mathew IIT Madras	https://onlinecourses.nptel.ac.in/noc26_cs64/preview	12 weeks	3
5	8 th	Honor	26CEH801T	Deep Learning for Natural Language Processing	By Prof. Pawan Goyal IIT Kharagpur	https://onlinecourses.nptel.ac.in/noc25_cs22/preview	12 weeks	3
6	8 th	Honor	26CEH802T	Exploratory Data Analysis for Data Science with R Software	By Prof. Shalabh IIT Kanpur	https://onlinecourses.nptel.ac.in/noc26_cs07/preview	12 weeks	3
Total Credit								17

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