CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY
An Autonomous Institute | Affiliated to Osmania University
Kokapet Village, Gandipet Mandal, Hyderabad, Telangana 500075, www.cbit.ac.in

COMMITTED TO RESEARCH, INNOVATION AND EDUCATION
46 years

Department of Information Technology

NPTEL Courses Identified for Additional Minor Engineering(Data Science) Degree for the period of July - Dec, 2025

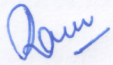Following are **the rules** to obtain Additional Minor Engineering Degree in Data Science.

i) Choose NPTEL courses from the following list which **were** not studied in your B.E/B.Tech engineering degree.

(ii) Student **shall be permitted to take a maximum of 2 theory courses/courses equivalent to 6 credits** during any semester for additional **learning** towards Honours curriculum.

(iii) 12 weeks courses carries 3 credits, 8 weeks courses carries 2 credits, 4 weeks courses **carries 1 credit.**

(iv) Courses **which will be opted from the below list must be registered in the IT** department.

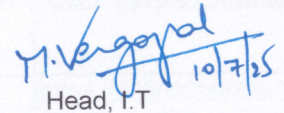The Tentative **List of NPTEL Courses for Additional Minor Engineering(Data Science) Degree Approved by IT Department are given below.**   A.Y: 2025 -26

S NO	Course ID	Course Name	Duration	Start date	End date	Exam date	Enrollment End date	Click here to Join the course
1	noc25-cs88	Artificial Intelligence: Search Methods for Problem Solving	12 Weeks	July 21, 2025	October 10, 2025	October 26, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs88/preview
2	noc25-cs91	Introduction to Machine Learning	12 Weeks	July 21, 2025	October 10, 2025	October 25, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs91/preview
3	noc25-cs92	Reinforcement Learning	12 Weeks	July 21, 2025	October 10, 2025	October 25, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs92/preview
4	noc25-cs93	Deep Learning for Computer Vision	12 Weeks	July 21, 2025	October 10, 2025	October 25, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs93/preview
5	noc25-cs98	Applied Accelerated Artificial Intelligence	12 Weeks	July 21, 2025	October 10, 2025	October 25, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs98/preview
6	noc25-cs100	Social Network Analysis	12 Weeks	July 21, 2025	October 10, 2025	October 26, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs100/preview
7	noc25-cs101	Data Science for Engineers	8 Weeks	July 21, 2025	September 12, 2025	September 21, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs101/preview
8	noc25-cs104	Python for Data Science	4 Weeks	July 21, 2025	August 15, 2025	September 20, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs104/preview
9	noc25-cs106	Deep Learning - IIT Ropar	12 Weeks	July 21, 2025	October 10, 2025	October 25, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs106/preview
10	noc25-cs118	Responsible & Safe AI Systems	12 Weeks	July 21, 2025	October 10, 2025	October 26, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs118/preview

Course ID	Course Name	Duration	Start date	End date	Exam date	Enrollment End date	Click here to Join the course
11 noc25-cs131	Big Data Computing	8 Weeks	August 18, 2025	October 10, 2025	November 2, 2025	August 18, 2025	https://onlinecourses.nptel.ac.in/noc25_cs131/preview
12 noc25-cs136	Mathematical Foundations for Machine Learning	12 Weeks	July 21, 2025	October 10, 2025	November 1, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs136/preview
13 noc25-cs137	Programming with Generative AI	8 Weeks	August 18, 2025	October 10, 2025	November 1, 2025	August 18, 2025	https://onlinecourses.nptel.ac.in/noc25_cs137/preview
14 noc25-cs149	Introduction to Machine Learning - IITKGP	8 Weeks	July 21, 2025	September 12, 2025	September 21, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs149/preview
15 noc25-cs152	Artificial Intelligence for Economics	8 Weeks	July 21, 2025	September 12, 2025	September 21, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs152/preview
16 noc25-cs157	Machine Learning for Earth System Sciences	8 Weeks	July 21, 2025	September 12, 2025	September 21, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs157/preview
17 noc25-cs159	Artificial Intelligence: Concepts and Techniques	12 Weeks	July 21, 2025	October 10, 2025	November 2, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs159/preview
18 noc25-cs160	Scalable Data Science	8 Weeks	July 21, 2025	September 12, 2025	September 21, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs160/preview
19 noc25-cs161	Introduction to Large Language Models (LLMs)	12 Weeks	July 21, 2025	October 10, 2025	November 2, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs161/preview

Coordinator

Head, I.T

NPTEL Courses Identified for Additional Minor Engineering (Augmented Reality & Virtual Reality) Degree for the period of July - Dec, 2025

Following are the rules to obtain **Additional Minor Engineering Degree** in **Augmented Reality & Virtual Reality.**

i) Choose NPTEL courses from the **following list which were not studied in your B.E/B.Tech engineering degree.**

(ii) **Student shall be permitted to take a maximum of 2 theory courses/courses equivalent to 6 credits** during any **semester**

for additional learning towards **Honours** curriculum.

(iii) **12 weeks courses carries 3 credits, 8 weeks courses carries 2 credits, 4 weeks courses carries 1 credit.**

(iv) **Courses which will be opted from the below list must be registered in the IT department.**

The Tentative List of NPTEL Courses for **Additional Minor Engineering (Augmented Reality & Virtual Reality) Degree Approved** by IT Department are given below. A.Y: 2025 - 26

S NO	Course ID	Course Name	Duration	Start date	End date	Exam date	Enrollment End date	Click here to Join the course
1	noc25-cs80	Mobile Virtual Reality and Artificial Intelligence	4 Weeks	August 18, 2025	September 12, 2025	October 26, 2025	August 18, 2025	https://onlinecourses.nptel.ac.in/noc25_cs80/preview
2	noc25-cs85	Introduction to Algebraic Graph Theory	8 Weeks	August 18, 2025	October 10, 2025	November 2, 2025	August 18, 2025	https://onlinecourses.nptel.ac.in/noc25_cs85/preview
3	noc25-cs87	Foundations of Virtual Reality	12 Weeks	July 21, 2025	October 10, 2025	November 2, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs87/preview
4	noc25-cs91	Introduction to Machine Learning	12 Weeks	July 21, 2025	October 10, 2025	October 25, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs91/preview
5	noc25-cs92	Reinforcement Learning	12 Weeks	July 21, 2025	October 10, 2025	October 25, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs92/preview
6	noc25-cs93	Deep Learning for Computer Vision	12 Weeks	July 21, 2025	October 10, 2025	October 25, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs93/preview
7	noc25-cs98	Applied Accelerated Artificial Intelligence	12 Weeks	July 21, 2025	October 10, 2025	October 25, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs98/preview
8	noc25-cs133	Computer Graphics	8 Weeks	July 21, 2025	September 12, 2025	September 21, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs133/preview
9	noc25-cs135	Design & Implementation of Human-Computer Interfaces	12 Weeks	July 21, 2025	October 10, 2025	November 2, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs135/preview

S NO	Course ID	Course Name	Duration	Start date	End date	Exam date	Enrollment End date	Click here to Join the course
10	noc25-cs143	Computer Vision	12 Weeks	July 21, 2025	October 10, 2025	November 2, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs143/preview
11	noc25-cs146	Introduction to Industry 4.0 and Industrial Internet of Things	12 Weeks	July 21, 2025	October 10, 2025	November 1, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs146/preview
12	noc25-cs151	Algorithmic Game Theory	12 Weeks	July 21, 2025	October 10, 2025	November 2, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs151/preview
13	noc25-cs156	Real-Time Systems	12 Weeks	July 21, 2025	October 10, 2025	November 2, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs156/preview

Coordinator

Head, I.T

PROFESSOR & HEAD
Department of Information Technology
Chaitanya Bharathi Institute of Technology (A)
Gandipet, Hyderabad-500 075. Telangana

CHAITANYA BHARATHI
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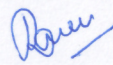years

Department of Information Technology

NPTEL Courses Identified for Additional Minor Engineering (Information Security) Degree for the period of July - Dec, 2025

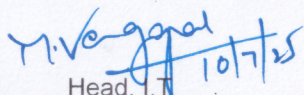Following are the rules to obtain Additional Minor Engineering Degree in Information Security.

i) Choose NPTEL courses from the following list which were not studied in your B.E/B.Tech engineering degree.

(ii) Student shall be permitted to take a maximum of 2 theory courses/courses equivalent to 6 credits during any semester
for additional learning towards Honours curriculum.

(iii) 12 weeks courses carries 3 credits, 8 weeks courses carries 2 credits, 4 weeks courses carries 1 credit.

(iv) Courses which will be opted from the below list must be registered in the IT department.

The Tentative List of NPTEL Courses for Additional Minor Engineering(Information Security) Degree Approved by IT Department are given below.   A.Y: 2025 -26

S NO	Course ID	Course Name	Duration	Start date	End date	Exam date	Enrollment End date	Click here to Join the course
1	noc25-cs95	Introduction to Quantum Computing: Quantum Algorithms and Qiskit	4 Weeks	July 21, 2025	August 15, 2025	September 20, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs95/preview
2	noc25-cs116	Cyber Security and Privacy	12 Weeks	July 21, 2025	October 10, 2025	October 26, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs116/preview
3	noc25-cs117	Privacy and Security in Online Social Media	12 Weeks	July 21, 2025	October 10, 2025	October 26, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs117/preview
4	noc25-cs120	Practical Cyber Security for Cyber Security Practitioners	12 Weeks	July 21, 2025	October 10, 2025	October 26, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs120/preview
5	noc25-cs125	Demystifying Networking	4 Weeks	July 21, 2025	August 15, 2025	September 21, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs125/preview
6	noc25-cs126	Introduction to Computer and Network Performance Analysis using Queuing Systems	4 Weeks	August 18, 2025	September 12, 2025	November 1, 2025	August 18, 2025	https://onlinecourses.nptel.ac.in/noc25_cs126/preview
7	noc25-cs128	Secure Computation: Part II	12 Weeks	July 21, 2025	October 10, 2025	November 2, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs128/preview
8	noc25-cs142	Ethical Hacking	12 Weeks	July 21, 2025	October 10, 2025	November 1, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs142/preview
9	noc25-cs160	Scalable Data Science	8 Weeks	July 21, 2025	September 12, 2025	September 21, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs160/preview

Coordinator

PROFESSOR & HEAD
Department of Information Technology
Chaitanya Bharathi Institute of Technology (A)

Head, I.T   10/7/25

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46
years

Department of Information Technology

NPTEL Courses Identified for Additional Minor Engineering (Artificial Intelligence) Degree for the period July - Dec, 2025
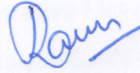
Following are the rules to obtain **Additional Minor Engineering Degree** in **Artificial Intelligence.**
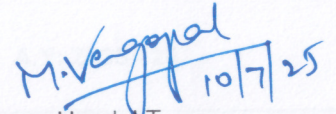
i) Choose NPTEL courses from **the following list which were not studied in your B.E/B.Tech engineering degree.**

(ii) Student shall be permitted to **take a maximum of 2 theory courses/courses equivalent to 6 credits during any semester**
for additional learning towards **Honours curriculum.**

(iii) 12 weeks courses carries 3 **credits, 8 weeks courses carries 2 credits, 4 weeks courses carries 1 credit.**

(iv) Courses which will be opted **from the below list must be registered in the IT department.**

The Tentative List of NPTEL Courses for Additional Minor Engineering (Artificial Intelligence) Degree Approved by IT Department are given below.   A.Y: 2025 - 26

S NO	Course ID	Course Name	Duration	Start date	End date	Exam date	Enrollment End date	Click here to Join the course
1	noc25-cs80	Mobile Virtual Reality and Artificial Intelligence	4 Weeks	August 18, 2025	September 12, 2025	October 26, 2025	August 18, 2025	https://onlinecourses.nptel.ac.in/noc25_cs80/preview
2	noc25-cs86	Distributed Optimization and Machine Learning	12 Weeks	July 21, 2025	October 10, 2025	October 26, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs86/preview
3	noc25-cs88	Artificial Intelligence: Search Methods for Problem Solving	12 Weeks	July 21, 2025	October 10, 2025	October 26, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs88/preview
4	noc25-cs91	Introduction to Machine Learning	12 Weeks	July 21, 2025	October 10, 2025	October 25, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs91/preview
5	noc25-cs92	Reinforcement Learning	12 Weeks	July 21, 2025	October 10, 2025	October 25, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs92/preview
6	noc25-cs93	Deep Learning for Computer Vision	12 Weeks	July 21, 2025	October 10, 2025	October 25, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs93/preview
7	noc25-cs98	Applied Accelerated Artificial Intelligence	12 Weeks	July 21, 2025	October 10, 2025	October 25, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs98/preview
8	noc25-cs101	Data Science for Engineers	8 Weeks	July 21, 2025	September 12, 2025	September 21, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs101/preview
9	noc25-cs106	Deep Learning - IIT Ropar	12 Weeks	July 21, 2025	October 10, 2025	October 25, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs106/preview
10	noc25-cs118	Responsible & Safe AI Systems	12 Weeks	July 21, 2025	October 10, 2025	October 26, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs118/preview

S.No	Course ID	Course Name	Duration	Start date	End date	Exam date	Enrollment End date	Click here to Join the course
11	noc25-cs136	Mathematical Foundations for Machine Learning	12 Weeks	July 21, 2025	October 10, 2025	November 1, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs136/preview
12	noc25-cs137	Programming with Generative AI	8 Weeks	August 18, 2025	October 10, 2025	November 1, 2025	August 18, 2025	https://onlinecourses.nptel.ac.in/noc25_cs137/preview
13	noc25-cs143	Computer Vision	12 Weeks	July 21, 2025	October 10, 2025	November 2, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs143/preview
14	noc25-cs149	Introduction to Machine Learning - IITKGP	8 Weeks	July 21, 2025	September 12, 2025	September 21, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs149/preview
15	noc25-cs152	Artificial Intelligence for Economics	8 Weeks	July 21, 2025	September 12, 2025	September 21, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs152/preview
16	noc25-cs157	Machine Learning for Earth System Sciences	8 Weeks	July 21, 2025	September 12, 2025	September 21, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs157/preview
17	noc25-cs159	Artificial Intelligence: Concepts and Techniques	12 Weeks	July 21, 2025	October 10, 2025	November 2, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs159/preview
18	noc25-cs161	Introduction to Large Language Models (LLMs)	12 Weeks	July 21, 2025	October 10, 2025	November 2, 2025	July 28, 2025	https://onlinecourses.nptel.ac.in/noc25_cs161/preview

Coordinator

M.Vengopal 10/7/25
Head, I.T