

PSN COLLEGE OF ENGINEERING AND TECHNOLOGY



(An Autonomous Institution Affiliated to Anna University, Chennai)
Approved by AICTE, Recognized by UGC under section 2(f) & 12 (B)
An ISO 9001:2015 Certified Institution Accredited by NAAC with A+
Melathediyoar, Tirunelveli - 627 152

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

MINOR DEGREE SUBJECT LIST

Vertical 1 - Full Stack Development

Sl. No	Course Code	Course Name		Classification	L	T	P	C
1.	CS606101	Design and Analysis of Algorithms (NPTEL)	PE	Theory	3	0	0	3
2.	CS606102	App Development	PE	Theory with Project	3	0	0	3
3.	CS606103	PHP Programming	PE	Theory with Project	3	0	0	3
4.	CS606104	UI and UX Design	PE	Theory	3	0	0	3
5.	CS606105	Software Testing (NPTEL)	PE	Theory	3	0	0	3
6.	CS606106	Web Application Security	PE	Theory	3	0	0	3
7.	CS606107	Dev-ops	PE	Theory	3	0	0	3
8.	CS606108	Principles of Programming Languages	PE	Theory	3	0	0	3
9.	CS606109	Social Networks (NPTEL)	PE	Theory	3	0	0	3
10.	CS606110	Multimedia Technology	PE	Theory	3	0	0	3

Vertical 2 - Cloud and Data Science

Sl. No	Course Code	Course Name		Classification	L	T	P	C
1.	CS606201	Cloud Computing (NPTEL)	PE	Theory	3	0	0	3
2.	CS606202	Virtualization	PE	Theory	3	0	0	3
3.	CS606203	Cloud Computing and Distributed Systems (NPTEL)	PE	Theory	3	0	0	3
4.	CS606204	Data Warehousing	PE	Theory with Project	3	0	0	3
5.	CS606205	Storage Technologies	PE	Theory	3	0	0	3
6.	CS606206	Software Defined Networks	PE	Theory	3	0	0	3
7.	CS606207	Grid Computing	PE	Theory	3	0	0	3
8.	CS606208	Security and Privacy in Cloud	PE	Theory	3	0	0	3
9.	CS606209	IoT and Cloud	PE	Theory with Project	3	0	0	3
10.	CS606210	Google Cloud Computing Foundations (NPTEL)	PE	Theory	3	0	0	3

Vertical 3 – Cyber Security

Sl. No	Course Code	Course Name		Classification	L	T	P	C
1.	CS606301	Ethical Hacking (NPTEL)	PE	Theory with Project	3	0	0	3
2.	CS606302	Digital and Mobile Forensics	PE	Theory	3	0	0	3
3.	CS606303	Systems and Usable Security (NPTEL)	PE	Theory	3	0	0	3
4.	CS606304	Modern Cryptography	PE	Theory	3	0	0	3
5.	CS606305	Engineering Secure software systems	PE	Theory	3	0	0	3
6.	CS606306	Crypto currency and Block chain Technologies	PE	Theory with Project	3	0	0	3
7.	CS606307	Cryptography and Network Security (NPTEL)	PE	Theory	3	0	0	3
8.	CS606308	Network Management	PE	Theory	3	0	0	3
9.	CS606309	Cyber Crime and Laws	PE	Theory	3	0	0	3
10.	CS606310	Design of Network Router	PE	Theory	3	0	0	3

Vertical 4 – Internet Of Things

Sl. No	Course Code	Course Name		Classification	L	T	P	C
1.	CS606401	Introduction To Internet of Things (NPTEL)	PE	Theory	3	0	0	3
2.	CS606402	IoT Architecture and Framework	PE	Theory	3	0	0	3
3.	CS606403	Communication Protocols for IoT	PE	Theory	3	0	0	3
4.	CS606404	Cloud Services for IoT	PE	Theory with Project	3	0	0	3
5.	CS606405	Computer Networks and Internet Protocol (NPTEL)	PE	Theory	3	0	0	3
6.	CS606406	Privacy and Security In IoT	PE	Theory	3	0	0	3
7.	CS606407	IoT Platform for Smart City Planning	PE	Theory	3	0	0	3
8.	CS606408	IoT for Smart Grids	PE	Theory	3	0	0	3
9.	CS606409	IoT and its Applications	PE	Theory with Project	3	0	0	3
10.	CS606410	Introduction to Industry 4.0 And Industrial Internet of Things (NPTEL)	PE	Theory	3	0	0	3

Vertical 5 – Block chain

Sl. No	Course Code	Course Name		Classification	L	T	P	C
1.	CS606501	Foundations of Cryptography (NPTEL)	PE	Theory	3	0	0	3
2.	CS606502	Blockchain And Its Applications (NPTEL)	PE	Theory	3	0	0	3
3.	CS606503	Blockchain Technologies	PE	Theory	3	0	0	3
4.	CS606504	Blockchain Architecture Design and Use Cases (NPTEL)	PE	Theory	3	0	0	3
5.	CS606505	Blockchain Platforms	PE	Theory	3	0	0	3
6.	CS606506	Blockchain Forensics	PE	Theory	3	0	0	3
7.	CS606507	Robot Manipulator Control	PE	Theory with Project	3	0	0	3
8.	CS606508	Computer Vision with Open cv	PE	Theory	3	0	0	3
9.	CS606509	Internet Security	PE	Theory	3	0	0	3
10.	CS606510	Intelligent Transport Systems	PE	Theory with Project	3	0	0	3

Vertical 7 – Deep Learning

Sl. No	Course Code	Course Name		Classification	L	T	P	C
1.		NLP Tools and Applications (NPTEL)	PE	Theory	3	0	0	3
2.		Neural Networks and Deep Learning	PE	Theory	3	0	0	3
3.		Text and Speech Analysis	PE	Theory	3	0	0	3
4.		Drone technology	PE	Theory with Project	3	0	0	3
5.		Image and video analytics	PE	Theory	3	0	0	3
6.		Big Data Analytics (NPTEL)	PE	Theory	3	0	0	3
7.		Data Mining Using R	PE	Theory	3	0	0	3
8.		Deep Learning Using Tensor Flow	PE	Theory	3	0	0	3
9.		Python and R Programming for Biotechnologists	PE	Theory	3	0	0	3
10.		Neural Networks and Deep Learning (NPTEL)	PE	Theory	3	0	0	3