

Department of Computer Science & Engineering, Amritapuri Campus
COURSE ALLOCATION FOR THE TERM JULY - DECEMBER 2021
B Tech Computer Science and Engineering

S1 CSE - 2021 Batch

Cat.	Code	Course Title	L	T	P	Cr	ES
HUM	19ENG111	Technical Communication	2	0	3	3	A
SCI	19MAT101	Single Variable Calculus	1	0	0	1	B
SCI	19MAT111	Multivariable Calculus	2	0	0	2	H
SCI	19MAT102	Matrix Algebra	2	0	0	2	G
ENGG	19CSE100	Problem Solving and Algorithmic Thinking	2	1	3	4	E
ENGG	19MEE100	Engineering Graphics - CAD	2	0	3	3	L1
ENGG	19CSE101	Computer Systems Essentials	3	0	3	4	C
ENGG	19CSE180	Computer Hardware Essentials	0	0	3	1	L2
HUM	19CUL101	Cultural Education - I	2	0	0	2	F

Not offering this semester

TOTAL = 22

S1 CSE AIE - 2021 Batch

Cat.	Code	Course Title	L	T	P	Cr	ES
SCI	19MAT105	Mathematics for Intelligent System 1	2	0	3	3	A
SCI	19PHY104	Computational Engineering Mechanics 1	2	0	3	3	B
ENGG	19AIE105	Object Oriented Programming	2	1	3	4	C
ENGG	19AIE101	Elements of Computing Systems 1	2	0	3	3	E
ENGG	19AIE104	Introduction to Electrical Engineering	2	0	3	3	H
SCI	19BIO103	Intelligence of Biological Systems 1	1	0	3	2	G
ENGG	19AIE102	Introduction to Digital Manufacturing	1	0	3	2	D
ENGG	19AIE103	Introduction to Drones	1	0	3	2	I
HUM	19CUL101	Cultural Education I	2	0	0	2	F
		TOTAL				24	

Not offering this semester

S3 CSE - 2020 Batch

Cat.	Code	Course Title	L	T	P	Cr	ES
SCI	19MAT201	Numerical Methods	1	0	0	1	A1
SCI	19MAT202	Optimization Techniques	2	0	0	2	A
ENGG	19CSE203	Digital Electronics	3	1	0	4	D
ENGG	19CSE201	Advanced Programming	2	0	3	3	C
ENGG	19CSE205	Program Reasoning	2	0	3	3	B
ENGG	19CSE202	Database Management System	3	0	3	4	E
ENGG	19CSE204	Object Oriented Paradigm	2	0	3	3	L3
ENGG	19CSE281	Digital Electronics Lab	0	0	3	1	L2
HUM	19AVP201	Amrita Value Programme	1	0	0	1	F

Total Credit = 22

S3 CSE AIE - 2020 Batch

Cat.	Code	Course Title	L	T	P	Cr	ES
SCI	19MAT204	Mathematics for Intelligent Systems 3	2	0	3	3	A
ENGG	19AIE201	Introduction to Robotics	1	2	0	3	B
ENGG	19AIE202	Operating Systems	2	1	3	4	C
ENGG	19AIE203	Data Structures & Algorithms 2	2	1	3	4	D
ENGG	19AIE204	Introduction to Communication Systems	1	2	0	3	E
ENGG	19BIO201	Intelligence of Biological Systems 3	1	2	0	3	G
ENGG	19AIE205	Python for Machine Learning	0	0	3	1	L1
HUM	19LAW300	Indian Constitution				P/F	H
HUM		Soft. Skills	3	0	0	P/F	L4
HUM	19AVP201	Amrita Values Program-1	1	0	0	1	F

S5 CSE - 2019 Batch

Cat.	Code	Course Title	L	T	P	Cr	ES
ENGG	19CSE305	Machine Learning	3	0	3	4	A
ENGG	19CSE302	Design and Analysis of Algorithms	3	0	3	4	F
ENGG	19CSE301	Computer Networks	3	0	3	4	C
ENGG	19CSE304	Foundations of Data Science	2	0	3	3	D
ENGG	19CSE303	Embedded Systems	3	0	3	4	B
ENGG		Professional Elective I* (Cap 60)	3	0	0	3	E
	19CSE331	<i>Cryptography</i>					
	19CSE431	<i>Digital Image Processing</i>					
	19CSE437	<i>Deep Learning for Computer Vision</i>					
	19CSE453	<i>Natural Language Processing</i>					
	19CSE445	<i>Cloud Computing</i>					
HUM	19SSK301	Soft Skills II	1	0	3	2	L1
ENGG	19LIV390	Live-in –Labs***				[3]	G
HUM	19ENV300	Environmental Science				P/F	P2

Total=24[+3]

S5 CSE AIE - 2019 Batch

Cat.	Code	Course Title	L	T	P	Cr	ES
SCI	19MAT301	Mathematics for Intelligent Systems 5	2	0	3	3	A
ENGG	19AIE301	Formal language and Automata	2	0	3	3	C
ENGG	19AIE302	Advanced Computer Networks	2	0	3	3	F
ENGG	19AIE303	Signal & Image Processing	2	0	3	3	B
ENGG	19AIE304	Big Data and Database Management	2	0	3	3	D
		Professional Elective 1* (No Cap)/Live-in Labs***	2	1	0	3	E
	19AIE432	Network and Wireless Security					
	19AIE445	Application of Robotics					
HUM	19SSK301	Soft. Skills II	1	0	2	2	
HUM	19MNG300	Disaster Management				P/F	P2

*Professional Elective - Electives categorised under Engineering, Science, Mathematics, Live-in-Labs, and NPTEL Courses. Student can opt for such electives across departments/campuses. Students with CGPA of 7.0 and above can opt for a maximum of 2 NPTEL courses with the credits not exceeding 8.

*** Live-in-Labs - Students undertaking and registering for a Live-in-Labs project, can be exempted from registering for an Elective course in the higher semester.

S7 CSE - 2018 Batch

Cat.	Code	Course Title	L	T	P	Cr	ES
C	15CSE401	Machine Learning and Data Mining	3	0	0	3	A
	15CSE402	Structure and Interpretation of Computer Programs	3	1	0	4	B
C		Elective IV (cap 55)	3	0	0	3	E
	15CSE337	Cloud Computing and Services					
	15CSE358	Natural Language Processing					
	15CSE335	Bioinformatics					
	15CSE380	Neural Networks and Deep Learning					
	15CSE350	Information Retrieval					
C		Elective V (cap 55)	3	0	0	3	D
	15CSE340	Computer Vision					
	15CSE341	Cryptography					
	15CSE351	Information Security					
	15CSE366	Semantic Web					
	15CSE371	Wireless and Mobile Computing					
H		Project Based Elective (No cap)	2	0	2	3	C
	15CSE376	Net Centric Programming					
C	15CSE481	Machine Learning and Data Mining Lab	0	0	2	1	L1
C	15CSE495	Project Phase 1				2	P1
Pr	15CSE490	Live-in-Lab**				[3]	P2

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