

**Guru Nanak Dev Engineering College, Ludhiana**  
**Department of Computer Science and Engineering**

**Aug- Dec 2022**

**B. Tech.**

**Semester: 3<sup>rd</sup>**

S. No.	Course Code	Course Title	A			B			C		
1.	PCCS-101	Object Oriented Programming	Kamaldeep Kaur			Kamaldeep Kaur			Harkomalpreet Kaur		
2.	PCCS-102	Computer Networks	Daljit Singh			Daljit Singh			Kapil Sharma		
3.	ESCS-101	Digital Electronics	Priyanka Arora			Priyanka Arora			Priyanka Arora		
4.	HSMCS-101	Human Values and Professional Ethics	Jashandeep Singh (civil)			Jashandeep Singh (civil)			Inderjit Singh		
5.	BSCS-101	Mathematics-III									
<b>Laboratory</b>			<b>A1</b>	<b>A2</b>	<b>B1</b>	<b>B2</b>	<b>C1</b>	<b>C2</b>			
6.	LPCCS-101	Object Oriented Programming lab	Kamaldeep Kaur(2) Amit Jain(2)	Manpreet Kaur Mand	Vivek Thapar(2) Amit Jain (2)			Harkomalpreet Kaur	Priti Aggarwal		
7.	LPCCS-102	Computer Networks Lab	Daljit Singh	Daljit Singh	Daljit Singh	Hardeep Singh Kang		Kapil Sharma	Kapil Sharma		
8.	LESCS-101	Digital Electronics lab	Priyanka Arora	Priyanka Arora	Priyanka Arora	Amandeep Kaur Sohal		Palak Rehan	Palak Rehan		
9.	PRCS-101	Seminar and Technical Report Writing For Engineers	Inderjit Singh, Supreet Kaur	Amit Jain, Kuljit Kaur	Hardeep Singh Kang, Palak Rehan	Manpreet Kaur Mand, Diana Nagpal		Meetali	Priti Aggarwal		
<b>MC</b>			<b>A1</b>	<b>A2</b>	<b>A3</b>	<b>B1</b>	<b>B2</b>	<b>B3</b>	<b>C1</b>	<b>C2</b>	<b>C3</b>
10.		Mentoring	Manpreet Kaur Mand	Goldendep Kaur	Supreet Kaur	Harkomalpreet Kaur	Amit Jain	Priti Aggarwal	Jasmine Kaur	Hardeep Singh Kang	Gurjit Kaur

**Semester:5<sup>th</sup>**

S. No.	Course Code	Course Title	A	B	C
1.	PCCS-108	Artificial Intelligence	Diana Nagpal	Supreet Kaur	Jasdeep Kaur

2.	PCCS-109	Database Management Systems	Jaswant Singh			Jaswant Singh			Kiran Jyoti		
3.	PCCS-110	Formal Language & Automata Theory	Parminder Singh			Parminder Singh			Shailja		
4.	PCCS-111	Design and Analysis of Algorithms	Gurjit Kaur			Jasmine Kaur			Gurjit Kaur		
<b>Tutorial</b>			<b>A1</b>	<b>A2</b>	<b>B1</b>	<b>B2</b>	<b>C1</b>	<b>C2</b>			
	PCCS-110	Formal Language & Automata Theory	Parminder Singh	Parminder Singh	Shailja	Priti Aggarwal	Shailja	Shailja			
	PCCS-111	Design and Analysis of Algorithms	Gurjit Kaur	Gurjit Kaur	Jasmine Kaur	Jasmine Kaur	Gurjit Kaur	Gurjit Kaur			
<b>Laboratory</b>			<b>A1</b>	<b>A2</b>	<b>B1</b>	<b>B2</b>	<b>C1</b>	<b>C2</b>			
5.	LPCCS-106	Artificial Intelligence LAB	Diana Nagpal	Diana Nagpal	Supreet Kaur	Supreet Kaur	Jasdeep Kaur	Jasdeep Kaur			
6.	LPCCS-107	Database Management Systems LAB	Jaswant Singh	Jaswant Singh	Manpreet Kaur Mand	Meetali	Kiran Jyoti	Manpreet Kaur Mand			
7.	LPCCS-108	Design and Analysis of Algorithms LAB	Inderjit Singh	Harkomalpreet Kaur	Jasmine Kaur	Jasmine Kaur	Gurjit Kaur	Shailja			
<b>MC</b>			<b>A1</b>	<b>A2</b>	<b>A3</b>	<b>B1</b>	<b>B2</b>	<b>B3</b>	<b>C1</b>	<b>C2</b>	<b>C3</b>
10.		Mentoring	Kiran Jyoti	Kamaldeep Kaur	Jasdeep Kaur	Hardeep Singh Kang	Harkomalpreet Kaur	Goldendeeep Kaur	Diana Nagpal	Shailja	Supreet Kaur

## Mandatory Course

		A	B	C
MCI-103	Organisational Behaviour	Hardeep Singh Kang	Hardeep Singh Kang	Hardeep Singh Kang

## Elective-I

		Course Code	Course Title	Load
TRACK 1	Software Engineering	PECS-101	Software Project Management	Inderjit Singh
TRACK 2	Network Technologies	PECS-107	Advanced Computer Networks	Meetali
TRACK 3	Data Management	PECS-113	Statistics for Data Science	Priti Aggarwal
TRACK 4	Machine Intelligence	PECS-119	Information Retrieval	Palak Rehan

TRACK 5	Algorithm Design and Programming	PECS-125	System Programming	Manpreet Kaur Mand
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## Semester: 7<sup>th</sup>

### Elective-III

Track	Track Name	Course Code	Course Title	L	T
TRACK 1	Software Engineering	PECS-103	Agile Software Development	Amit Jain	Amit Jain
TRACK 2	Network Technologies	PECS-109	Software Defined Networks	Harkomalpreet Kaur	Harkomalpreet Kaur
TRACK 3	Data Management	PECS-115	Data Warehouse and Data Mining	Jasmine Kaur	Jasmine Kaur
TRACK 4	Machine Intelligence	PECS-121	Computer Vision	Supreet Kaur	Supreet Kaur
TRACK 5	Algorithm Design and Programming	PECS-127	Advanced Algorithm Design and Analysis	Shailja	Shailja

### Elective-IV

Track	Track Name	Course Code	Course Title	Lecture
TRACK 1	Software Engineering	PECS-104	Object Oriented Design using UML	Jasdeep Kaur
TRACK 2	Network Technologies	PECS-110	Wireless Sensor Networks	Amandeep Kaur Sohal
TRACK 3	Data Management	PECS-117	Cloud Computing	Sita Rani
TRACK 4	Machine Intelligence	PECS-122	Soft Computing	Kuljit Kaur
TRACK 5	Algorithm Design and Programming	PECS-128	Web Technologies	Diana Nagpal
<b>Laboratory</b>				
TRACK 1	Software Engineering	LPECS-102	Object Oriented Design using UML Lab	Jasdeep Kaur
TRACK 2	Network Technologies	LPECS-105	Wireless Sensor Networks Lab	Amandeep Kaur Sohal
TRACK 3	Data Management	LPECS-108	Cloud Computing lab	Sita Rani
TRACK 4	Machine Intelligence	LPECS-111	Soft Computing Lab	Kapil Sharma
TRACK 5	Algorithm Design and Programming	LPECS-114	Web Technologies Lab	Diana Nagpal

### Open Elective-II

Course Code	Course Title	Faculty
OECS-106	Business Information System	Kapil Sharma
OECS-	Cloud Computing II	Vivek Thapar

S. No.	Course Code	Course Title	A	B	C
1.	PRCS-106	Technical Aptitude	Manpreet Kaur Mand	Hardeep Singh Kang, Goldendeeep Kaur	Harkomalpreet Kaur, Priti Aggarwal

2.	PRCS-103	Major Project	<b>ALL FACULTY</b>										
			A1	A2	A3	B1	B2	B3	C1	C2	C3	C4	C5
3.		Mentoring	Daljit Singh	Amit Jain	Jasdeep Kaur	Meetali	Inderjit Singh	Palak Rehan	Kuljit Kaur	Jasmine Kaur	Shailja	Kapil Sharma	Vivek Thapar

## M.Tech.

### Semester: 1st

S. No.	Course Code	Course Title	TEACHER
1.	MCS-101	Mathematical Foundations of Computer Science	Manpreet Kaur Mand
2.	MCS-102	Advanced Data Structures	Sita Rani
3.	MRM-101	Research Methodology and IPR	Vivek Thapar
4.	MCS-111	Machine Learning	Amandeep Kaur Sohal
5.	MCS-121	Data Ware House & Data Mining	Kiran Jyoti
6.	LMCS-111	Machine Learning Laboratory	Amandeep Kaur Sohal
7.	LMCS-121	Data Ware House & Data Mining Laboratory	Kiran Jyoti
8.	LMCS-102	Advanced Data Structures Laboratory	Vivek Thapar

### Semester: 3<sup>rd</sup>

S. No.	Course Code	Course Title	TEACHER
1.	<b>Elective 5:</b> MCS-152	Optimization Techniques	Priti Aggarwal
2.	<b>Open Elective:</b> MOCS-102	Project Management	Goldendeep Kaur
	<b>Pre thesis</b>		Parminder Singh, Jaswant Singh, Kiran Jyoti, Jasbir Singh Saini, Amandeep Kaur Sohal, Vivek Thapar, Gurjit Kaur, Priyanka Arora, Daljit Singh, Kamaldeep Kaur, Inderjit Singh, Manpreet Kaur Mand, Diana Nagpal, Shailja, Jasdeep Kaur, Supreet Kaur

**D1 MC :**

MC	MC1	MC2	MC3	MC4	MC5	MC6	MC7	MC8
	Jaswant Singh	Priyanka Arora,		Kapil Sharma	Kuljit Kaur	Sita Rani	Priti Aggarwal	Palak Rehan

**PPS:**

PPS	L	T	P
A(ME A)	Goldendeep Kaur	Goldendeep Kaur	Goldendeep Kaur
B(EC)	Kuljit Kaur	Kuljit Kaur	Kuljit Kaur
C (ME B)	Meetali	Meetali	Meetali

**Minor Degree:**

OOP	L(3)	P(2)
A	Kamaldeep Kaur	Kamaldeep Kaur

	L(2)	P(2)
<b>MBA</b>	-	Palak Rehan
<b>BBA</b>	Amit Jain	-

M.Sc.	L(2)	P(4+2)
A	Amit Jain	Inderjit Singh,Hardeep Singh Kang