

# PES UNIVERSITY

(Established under Karnataka Act No. 16 of 2013)  
100 Feet Ring Road, BSK III Stage, Bengaluru-560 085  
Department of Computer Science and Engineering

Session : Aug – Dec, 2021

## MODE OF CONDUCTION (ISA-ESA PATTERN): SUMMARY

### SEMESTER – 5

UE19CS301- DBMS		Anchor: Prof. Prafullata Kiran Auradkar
Pattern: ISA – 50 ESA – 50		
ISA -1	17.5	
ISA - 2	17.5	
Assignment	15	
ESA	50	
Signature	Prof. Prafullata Kiran Auradkar for Dept	
UE19CS302: Software Engineering		Anchor : Dr. H.L. Phalachandra
Pattern: ISA – 50 ESA – 50		
ISA -1	17.5	
ISA - 2	17.5	
Assignment	15	
ESA	50	
Signature	H.L.	
UE19CS303- Machine Intelligence		Anchor: : Prof. K S Srinivas
Pattern: ISA – 50 ESA – 50		
ISA -1	17.5	
ISA - 2	17.5	
Assignment	15	
ESA	50	
Signature	K.S.	

Appnd

30/08/2021.

30/8/2021.

## Elective I

### UE19CS311- Advanced Algorithms

Anchor: Dr. R Srinath

Pattern:

ISA - 50

ESA - 50

ISA -1	15
ISA - 2	15
Assignment	20
ESA	50
Signature	

Dr. R. Srinath for [Signature]

### UE19CS312: Data Analytics

Anchor : Dr. Gowri Srinivasan

Pattern:

ISA - 50

ESA - 50

ISA -1	20
ISA - 2	20
Assignment	10
ESA	40 (Paper and pen) + 10 (Project)
Signature	

### UE19CS313- Internet of Things

Anchor: Prof. Vadiraja A

Pattern:

ISA - 50

ESA - 50

ISA -1	15
ISA - 2	15
Assignment	20
ESA	50
Signature	

[Signature]

### UE19CS314- Applied Cryptography

Anchor: Dr. Sivaraman E

Pattern:

ISA - 50

ESA - 50

ISA -1	15
ISA - 2	15
Assignment	20
ESA	50
Signature	

[Signature]

[Signature]  
30/08/2021

[Signature]  
20/8/2021

**UE19CS315- Fundamentals of Virtual and Augmented Reality****Anchor: Dr. Adithya B**

Pattern:

ISA – 50

ESA – 50

ISA -1	15
ISA - 2	15
Assignment	20
ESA	50
Signature	

30/8/21

**UE19CS316- Human Computer Interaction****Anchor: Dr. Jayashree R.**

Pattern:

ISA – 50

ESA – 50

ISA -1	17.5
ISA - 2	17.5
Assignment	15
ESA	50
Signature	

**Elective II****UE19CS322- Big Data****Anchor: Dr. K.V. Subramaniam****Pattern:****ISA – 50****ESA – 50**

ISA -1	10
ISA - 2	10
Assignment	30
ESA	50
Signature	

**UE19CS323: Graph Theory & its applications****Anchor : Dr. Surabhi Narayan**

Pattern:

ISA – 50

ESA – 50

ISA -1	17.5
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30/8/2021

30/8/2021



A - 2

17.5

Assignment

15

ESA

50

Signature

*Senabhi*  
30/8/21

**UE19CS324- Bio-inspired Computing**

Anchor: Dr. S. Natarajan

Pattern:

ISA - 50

ESA - 50

ISA -1

17.5

ISA - 2

17.5

Assignment

15

ESA

50

Signature

*Dr. S. Natarajan* for *Dpt*

**UE19CS326- Computer Network security**

Anchor: Prof. H.B. Prasad

Pattern:

ISA - 50

ESA - 50

ISA -1

15

ISA - 2

15

Assignment + lab

10+10 = 20

ESA

50

Signature

*[Signature]*  
30 Aug 2021

Laboratory :

**UE19CS304: Database Management System Laboratory**

Anchor: Mr. Kiran P

Pattern:

ISA - 50

FSA - 50

ISA

Conduction + viva 40 marks, Quiz -10 marks

FSA

Quiz -30 marks, Conduction- 20

Signature

*[Signature]*

**UE19CS305 : Machine Intelligence Laboratory**

Anchor : Prof. K S Srinivas

Pattern:

ISA - 50

ESA - 50

ISA

Conduction - 40M + Viva - 10M

*[Signature]*

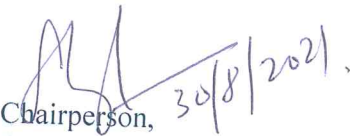
*[Signature]*

*[Signature]*  
30/08/2021

*[Signature]*  
30/8/2021

A	Quiz -30 marks, Conduction- 20
Signature	

  
30/08/2021.

  
Chairperson,  
Computer Science & Engineering,  
PES University