

## Master of Computer Applications (MCA)

Period of study : 3 years

Medium : English

Eligibility : i) The candidate should have passed the Bachelors degree of GITAM University or any university except BFA & BOL recognized by GITAM University as equivalent thereto. A candidate with professional qualification such as BE/B.Tech./B.Pharm/B.Sc/BA/B.Com/BA/Medicine/Law/CA/ICWA/ACS/AMIE/AIETE, etc., is also eligible provided he/she had studied Mathematics as one of the subjects at Intermediate or 10+2 level.

ii) The candidate should have appeared for GAT examination conducted by GITAM University and obtained a rank in GAT subject to the fulfillment of the eligibility criteria.

### Course Structure

#### First Year

Code No.	Subject	Credits
SPDCA101	Problem Solving and Programming	6
SPDCA102	Discrete Mathematics	6
SPDCA103	Computer Organization	6
SPDCA104	Data Structures	6
SPDCA105	Database Management Systems	6
SPDCA106	Communication Skills	4
SPDCA111	Lab-I : C & Data Structures	3
SPDCA112	Lab - II : Database Management Systems	3
Total		40

#### Second Year

SPDCA201	Operating Systems	6
SPDCA202	Data Communication and Computer Networks	6
SPDCA203	Object Oriented Technologies and Java Programming	6
SPDCA204	Software Engineering	6
SPDCA205	Design and Analysis of Algorithms	6
SPDCA206	Computer Graphics and Multimedia	6
SPDCA211	Lab - I : Operating Systems	3
SPDCA212	Lab - II : Java Programming	3
Total		42

### Third Year

SPDCA301	Object Oriented Analysis and Design	6
SPDCA302	Artificial Intelligence and Knowledge Management	6
SPDCA303	Advanced Internet Technologies	6
SPDCA311	Lab-I : Advanced Internet Technologies	3
SPDCA312	Project Work	10
	Viva-Voce	05
<b>Total</b>		<b>36</b>
<b>Grand Total</b>		<b>118</b>

### Note :

- After successful completion of first year, a candidate will be awarded P.G. Diploma in Computer Applications. (PGDCA).
- After successful completion of second year, a candidate will be awarded P.G. Advanced Diploma in Computer Applications (PGADCA).
- After successful completion of third year, a candidate will be awarded MCA.