

# **JSS COLLEGE OF ARTS, COMMERCE AND SCIENCE, NANJANGUD**

## **DEPARTMENT OF COMPUTER SCIENCE**

### **About the Department**

- The Computer Science Department was started in the year 2008.
- The Department has a well-equipped ICT enabled laboratory with 32 computer systems with 10 Mbps broadband internet facility. The lab has complete LAN connectivity.
- The faculty and students are encouraged and allowed to use Internet facilities in the department.
- The department has implemented CBCS scheme as per Mysore University regulations.
- In order to promote and to encourage the students to excel in their studies, various cash prizes have been instituted. Cash prizes will be given to the students who excel in their examinations every year on the occasion of the Founders' - Day.

### **Vision**

“Commitment to develop graduates with the strong academic and technical backgrounds needed to achieve distinction in the discipline “

### **Mission**

"To provide students with the expertise to become leaders and innovators in information technology and to produce graduates who will be successful professionals making positive contributions to society”

### **Programme offered**

Computer Science is offered as one of the optional subjects for BSc students with following combinations:

- ❖ Physics, Mathematics, Computer Science (PMCs)

Computer Application is offered as one of the skill-oriented paper for BA students.

- ❖ Computer Application for II BA students



### **Objectives of the BSc programme**

- ❖ To develop problem solving techniques in students..
- ❖ Perform experiments and interpret the results of observation, including making an assessment of experimental uncertainties.
- ❖ Use Information Communication Technology (ICT enabled) to gather knowledge at will.

## BSc Programme (CBCS) – Computer Science Credit Pattern

Semester	Core		Electives		Skill Enhancement	
	DSC		DSE		SEC	
	Course	Credits	Course	Credits	Course	Credits
I	DSC-3A	6	-	-		
II	DSC-3B	6	-	-		
III	DSC-3C	6	-	-		
IV	DSC-3D	6	-	-		
V	-	-	DSE-3A	6	SEC-1 SEC-2	2 2
VI	-	-	DSE-3A	6	SEC-3 SEC-4	2 2

## COURSE STRUCTURE

### Credit Matrix

L: Lecture; T: Tutorial; P: Practicals

Semester	Type	ID	Core course	L+T+P= Total
I Semester	DSC-3A	CS101	Computer Concepts and C Programming	4+0+0=4
	DSC-3A	CS102	Practical 1	0+0+2=2
II Semester	DSC-3B	CS201	Data Structures and File Processing	4+0+0=4
	DSC-3B	CS202	Practical 2	0+0+2=2
III Semester	DSC-3C	CS301	Object Oriented Programming with Java (	4+0+0=4
	DSC-3C	CS302	Practical 3	0+0+2=2
IV Semester	DSC-3D	CS401	Database Management Systems	4+0+0=4
	DSC-3D	CS402	Practical 4	0+0+2=2
V Semester	DSE-3A	CS501	System Software and Operating Systems	4+0+0=4
	DSE	CS502	Practical 5	0+0+2=2
	SEC-1	CS511	Introduction of Latex	1+0+0=1
	SEC	CS512	Latex Practical	0+0+1=1
VI Semester	DSE-3B	CS601	Data Communication and Computer Networks	4+0+0=4
	DSE-3B	CS602	Practical 7	0+0+2=2
	SEC-3	CS611	Python	1+0+0=1
	SEC	CS612	Python Lab	0+0+1=1

### **Best Practices of the Department**

- ❖ Encouraging students to attend intercollegiate debate competitions, quiz competitions and science exhibitions
- ❖ Encouraging students to use more of e-learning resources..
- ❖ Organizing Seminars/ Special lectures on recent developments in the various fields of Computer Science.
- ❖ Conducting Student-Seminars

### **Laboratory facilities and Equipments**

The department includes well equipped lab of size 25' X 45'. It has 32 computers. The lab is also equipped with two UPS of 7.5KVA and 5 KVA, LCD Projector with classroom solution.

<b>Sl. No</b>	<b>PARTICULARS</b>	<b>QTY</b>
1	DESKTOP COMPUTERS - IBM - Lenovo Model : 9277 , A16 Intel Pentium 4, 3 GHz, Intel 531/EM 64T, 256 MB DDR RAM, 80 GB HDD, CD-ROM, Keyboard, optical mouse, 10/100 Ethernet card, onboard graphics, onboard sound, 15" CRT monitor	10
2	DESKTOP COMPUTERS – Thin Client Systems DVD-Combo drive, Keyboard, optical mouse, 17" CRT monitor	20
3	LAPTOP - Compaq Presario - CQ60 - 104 TU	01
4	LAPTOP– HP -G42 - 456TUS/N - CNF0459JNH	01
5	Laser Printer - HP Pro M1136MFP S/N - CNC9B98F51	01
6	Laser Printer - HP - P1008	01
7	Inkjet Printer - HP 3940	01
8	LCD Projector - Sharp Projector, Wall mounted screen, classroom solution package	01
9	Integrated Circuits	280
10	IC Tester	01
11	Scanner	01

12	D-Link Networking Switch (16-port)	01
13	UPS- Online , 5KVA / 240V, with 1GB UPS technology	01
14	Sealed Batteries - 12v / 40 AH, SMF Batteries with 1 hr backup	10
15	UPS - Online, 7.5 KVA	01
16	Digital IC Trainer Kits - 2mm	12
18	Microprocessor Kits – 8085	09
19	Patch Chords (IC kits) - 2mm- 1/2 meter	200
20	Multimedia Projector XR-108, Sharp make	01
21	Seagate Hard disk	01
22	MS Office 2010 – Home and Student Edition	07
23	Antivirus (3 users) Kaspersky Internet Security	07

**Learning resources:**

- ❖ Computer, LCD projector with internet facility
- ❖ INFLIBNET service
- ❖ E-Learning resources
- ❖ Department Library
- ❖ Special lectures, seminars

**Placement Details :**

Sl no	Name of the Company/Organisation/Department	No .of candidate Placed
1	Infosys, Mysore	03
2	H G Solutions Ltd., Bangalore	13
3	Infosys, BPO, Bangalore	01
4	Caps Gemini, Bangalore	05
5	ICICI	12

### **Higher Education:**

- ❖ 20 admitted to post-graduation programme in Computer Science and Computer Application at Mysore University.
- ❖ 15 students have enrolled for Bachelor of Education programme.

### **Contact details of HoD:**

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### **Details of Faculty members**

Sl. No.	Name	Designation	Date of joining
1	Deepali M S	Lecturer	07-07-2006
2	Satish Kumar M	Assistant Professor	