



ANNUAL REPORT: 2012-13

DEPARTMENT OF COMPUTER SCIENCE

St. Joseph's Degree & PG College

(Autonomous)

Accredited by NAAC with 'A' Grade with a CGPA of 3.51

King Koti Road, Hyderabad-29.

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1. ABOUT ST. JOSEPH'S DEGREE & PG COLLEGE



The Archdiocese of Hyderabad has established St. Joseph's PG College on 10th July 1997. His Grace Late Most Rev. Dr. S. Arulappa, the then Archbishop of Hyderabad, blessed the building and Prof. Rama Kistaiah, the then Vice-chancellor of Osmania University inaugurated the college. Late **Most Rev. M. Joji**, the then Archbishop of Hyderabad, during his tenure from 2000-2010, was a real inspiration to the institution in seeking permanent affiliation, NAAC accreditation and finally entering into Autonomy. His dream was that St. Joseph's College should always be number one. After his demise, the college receives orientation and guidance from **Most Rev. Thumma Bala DD.**, the present Archbishop of Hyderabad, who is well- known for his vision and simplicity. **Rev.Fr.Dr.V.K.Swamy** is the founder Principal and continues to lead the institution to greater heights. From a modest start with 130 students the college has grown in strength and stature to more than 1800 students both undergraduate and post graduate courses.

The motto of our college is 'Knowledge, Love and Service'.



The core values that we cherish are

- ❖ **Trust in Divinity**
- ❖ **Foster Integrity**
- ❖ **Acquire Competencies**
- ❖ **Strive for Excellence**
- ❖ **Serve the Society**

VISION

To provide a distinct environment of excellence in education with humane values and social commitment.

MISSION : The institution is committed

- ❖ To develop knowledge citizens with multidisciplinary global competencies.
- ❖ To integrate in the students the ennobling virtues of truth, fairness, tolerance and co-operation those lead them to serve the underprivileged.
- ❖ To sensitize in the Josephites a sense of appreciation of traditional and cultural inheritance of the nation.
- ❖ To create and maintain an environment of excellence in education through technological advancements & effective pedagogy and methods of evaluation.
- ❖ To provide life skills towards a successful career, home and society.

BEST PRACTICES OF COLLEGE

- ❖ Inclusive education for the first generation students and poor and marginalized students
- ❖ Enable the average & below average students to become achievers.
- ❖ The use of modern teaching-learning resources
- ❖ Well designed Unit planners for teaching at the beginning of the year
- ❖ Continuous and Comprehensive evaluation
- ❖ Regular staff enrichment program & feedback system
- ❖ Encouragement to merit students by cash awards & scholarship for EBC students.
- ❖ Counseling, remedial, tutorial, mentoring & career guidance.

TEACHING AIDS AND USE OF ICT FOR TEACHING

- ❖ OHPs, LCD projectors, laptops
- ❖ Internet Facility, CDs/DVDs
- ❖ Computers & Peripherals in all the departments.
- ❖ Pen drive facility for every staff member.
- ❖ DVD/ VCD Player, VCR, TV, Tape Recorders.
- ❖ Teachers compile their E-Resources – PPTs, CDs, Shared Videos, YouTube, and Website References.
- ❖ Poster Presentations Charts, reference books, Newspapers, Magazines & Prototype models.

ABOUT THE DEPARTMENT OF COMPUTER SCIENCE

The Department was established during the year 1997-98 with B.Sc (MPCs), B.Com (Computers). During the year 1998-99 combination MECs, MSCs in B.Sc were added along with BCA. The Professional Post Graduate Course, MCA was introduced in the year 1999, approved by AICTE.



The Department is renowned for cutting edge state of the art and quality education since its inception. The Department is also known for facilitating the quality education to the highest and conducting various curricular and extra-curricular activities to make students excel in every field of study, through...

- ❖ Interaction with Board of Studies
- ❖ Value added courses
- ❖ Bridge courses
- ❖ Programming contest
- ❖ Tutorials
- ❖ Problem Solving Skills
- ❖ Peer group learning
- ❖ Experiential Learning
- ❖ Seminars and Guest Lectures
- ❖ Faculty development programmes
- ❖ Consultancy services
- ❖ Social service activities

VISION AND MISSION OF THE DEPARTMENT

VISION

To groom the students into world class Computer Professionals.

MISSION

- ❖ To impart quality computer education to enhance logical computing and programming skills.
- ❖ To implement innovative techniques and processes in teaching - learning and evaluation.
- ❖ To further creativity and pursuit of excellence in computer applications.
- ❖ To sensitise a culture of trust, fairness, tolerance and positive orientation.
- ❖ To build life skills through value-based education and service-oriented programme.

OUR ACHIEVEMENTS

Organized a one day IT seminar, ZEPHYR-2003 IT never ends... on 7th Feb, 2003 at Indira Priyadarshini Auditorium, Public Gardens, Hyderabad which aimed to narrow the gap between the

Industry and academics.



Organized a spectacular one day National Level IT Symposium, ANVESHANA '06 in the year 2006 and ANVESHANA '09 in the year 2009 at St. Joseph's PG College, Hyderabad, to bring the techies and ITians together for honing their technical skills.



ANVESHANA '06



ANVESHANA '06



ANVESHANA '09



JOSEPHIESTA - 2011

Josephiesta 2011, the two day (12th -13th Dec.) fest at college broke new grounds with an overwhelming participation of over 3000 students from 80 colleges in 37 events of every kind. The fest struck a high-note of infotainment (information & entertainment) that was best described by the Hindu Newspaper, which states, "Josephiesta 2011 - the fest of St. Joseph's Degree & PG College was a felicitous mix of fun and entertainment and it showcased the students' managerial skills too". The continuous encouragement of the Principal Rev. Fr. Dr. V. K. Swamy, Rev. Fr. Sunder Reddy, Vice Principal and the teamwork of the faculty helped the students to realize their dream.



ACADEMIC CLUB

Computer Club-Techno Consortium: Today's recruiters want professionals with sound technical knowledge, equipped with good communication and presentation skills. To meet this demand the department started a Computer Club named **Techno Consortium. Techno Consortium - for the evolving techies**", was inaugurated by Dr. Lakshmi Rajamani, Professor, O.U College of Engineering, on 31st October 2007. The Computer club caters to the needs of the students in facilitating and enhancing their technical as well as soft skills.



ABOUT THE COURSE: MASTER OF COMPUTER APPLICATIONS (MCA)

- The MCA programme, affiliated to Osmania University, Hyderabad, is a three-year full time Post Graduate programme that consists of six semesters each of 15 weeks consist of 28 theory papers and 10 lab papers.
- Candidates aspiring to join the MCA programme are required to appear for a state-wide Common Entrance Test [ICET], which evaluates them on the basis of their analytical, quantitative and verbal skills.
- The boom in the IT sector has turned the tide towards MCA and now the MCA graduates along with the engineering graduates are ruling the Software Arena.

COURSE STRUCTURE

MCA I Year

Semester - I

Syllabus Ref No.	Subject	Univ Exam	Sessionals
CS601	Discrete Mathematics	80	20
MAT602	Probability and Statistics	80	20
CS603	Computer Programming and Problem Solving	80	20
CS604	Elements of Information Technology	80	20
CS605	Modern Economic Analysis	80	20
Practicals			

CS631	C & C++ Programming Lab-I	50	25
CS632	EIT Programming Lab-II	50	25

Semester - II

Syllabus Ref No.	Subject	Univ Exam	Sessionals
CS651	Accounting and Financial Management	80	20
CS652	Principles of Object Oriented Programming	80	20
CS653	Management Information Systems	80	20
CS654	Data Structures	80	20
CS655	Computer Organization	80	20
Practicals			
CS681	OOPS Labs (Programming Lab-V)	50	25
CS682	DS Lab (Programming Lab-VI)	50	25

MCA II Year**Semester - I**

Syllabus Ref No.	Subject	Univ Exam	Sessionals
CS701	Software Engineering	80	20
CS702	Database Management System	80	20
CS703	Design & Analysis of Algorithms	80	20
CS704	Operating Systems	80	20

CS705	Operations Research	80	20
Practicals			
CS731	DBMS Programming Lab (Programming Lab -V)	50	25
CS732	OS Lab (Programming Lab - VI)	50	25

Semester - II

Syllabus Ref No.	Subject	Univ Exam	Sessionals
CS751	Data Warehousing and Data Mining	80	20
CS752	Computer Network	80	20
CS753	Unix Programming	80	20
CS754	Web Programming	80	20
Elective I-(Any one)			
CS 755	Artificial Intelligence	80	20
CS 756	Distributed Systems	80	20
CS 757	Information Retrieval Systems	80	20
Practicals			
CS 781	Unix Programming Lab(Programming Lab VII)	50	25
CS 782	Web Programming Lab	50	25

MCA III Year**Semester - I**

Syllabus Ref No.	Subject	Univ Exam	Sessionals
CS 801	Software Testing	80	20
CS 802	Middleware Technologies	80	20
CS 803	Object Oriented System Development	80	20
Elective II-(Any one)			
CS 804	Electronic Commerce	80	20
CS 805	Human Computer Interaction	80	20
CS 806	Software Reusable Techniques	80	20
CS 807	Soft Computing	80	20
CS 808	XML and Web Services	80	20
Elective III-(Any one)			
CS 809	Mobile Computing	80	20
CS 810	Information Security	80	20
CS 811	System Administration	80	20
CS 812	Rich Internet Applications	80	20
CS 813	Software Project Management	80	20
Practical			
CS 831	OOSD lab (Programming lab IX)	50	25
CS 832	MWT lab (Programming lab X)	50	25

CS 833	Seminar	-	25
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Semester-II

Syllabus Ref No.	Subject	Univ Exam	Sessionals
CS 851	Project Seminar	-	25
CS 852	Project	Grade	50

COURSE EVALUATION

- ❖ Examinations are conducted at the end of each semester to assess the students understanding in what has been taught and learnt during that particular semester period.
- ❖ The total marks for each subject is 100 marks. In which, the university assesses for 80 marks by conducting external exams and 20 marks are allotted for internal assessment.
- ❖ As an integral part of the curriculum, every student takes up work on a project in an organization The duration of the training is for 15 weeks. The project guides from the organizations and the internal guides (faculty) from the college will provide necessary guidance to the students.

The projects are evaluated at the end of the sixth semester by an external examiner on the basis of a report, a presentation and a viva-voce.

1. JOSEPH'S SOFTWARE DEVELOPMENT CELL (JSDC)

- Joseph's Software Development Cell fosters employability among the students, giving them an opportune moment to transform knowledge to skills.
- To design and develop software products and render Information and Communication Technology (ICT) services to the clients. Development cell is aimed at providing hands-on experience of the software development and networking to the students.

- Every project that comes in works under two constraints namely Time and Quality, therefore we have experienced staff members playing the role of **team lead** in guiding the **team of students** in designing and developing the solution.
- The doors of JSDC are open to all the students of Computer Science but then JSDC welcomes students with aptitude and attitude for the work in profession.

The JSDC has rendered the following services

1. Feedback System was developed and administered by Mr. Inna Reddy, Associate Professor. This system was used for performance analysis of the faculty for ensuring the quality.

2. Online Registration Application for events **Sagraha 11** and **Josephiesta** was developed. This software helped the students of different colleges to register and participate in various events.

3. Knowledge Management System an Intranet application was been developed by Mr.Ashok and Mr. Summet to facilitate knowledge transfer between faculty and students. This application helps the faculty to upload Teaching materials, Unit planners, Syllabus copies, Interview questions, Etc.

College Events

INTER COLLEGE MEET/EVENTS - JOSEPHIESTA 2012

A two-day mega event Josephiesta 2012, a culmination of talents, both academic and cultural, was held on 19th and 20th December 2012. The Fest started with a Prayer Theme song by the MBA students. Prof. T.L.N. Swamy, the Principal of Nizam College declared the event open enforcing the need to encourage the talents for promoting academic and cultural excellence. Principal Rev. Fr. Dr. V.K. Swamy formally welcomed the student fraternity to the fest and conveyed his best wishes. An amazing array of talents was showcased by nearly 3500 students from 100 colleges across the twin cities. The fest comprised of nearly 50 formal and informal events to bring to fore the various inherent talents in the students.

Msgr. Swerna Bernard, the guest for the valedictory function congratulated the students and appreciated the efforts of the principal, staff and the students for the success of this event. The following are the events conducted by the department:

JOSEPHIESTA (2012-2013)

EVENT DETAILS

Dept. of Computer Science

S.No.	Event	Day	Room No.	Time	Faculty In-Charge	Student Volunteer
1	PAPER PRESENTATION	19-12-12	204	11:00–12:00	MR.JOSEPH RAJAKUMAR & MR.LOKAIYA	1. Maria Das 2. Anand 3. Vinay 4. Anand 5. Aruna 6. Rajitha 7. Shalini (2 nd yr.) 8. Hema (2 nd yr.)
Judges: Mr. Jayasagar – Cordys Software Ltd.						
2	GAMING	19-12-12	Lab-4	11:00–12:00	MRS.ESTHER & MR.ALOYSIUS	1. Jeevan 2. Rakesh 3. Shital 4. Ravi 5. B.Srinivas
3	C THE SEA	19-12-12	Lab-3	12:00–1:30	PROF. SHARMA & MRS.KIRAN JYOTHI	1. Shital 2. Ganesh 3. Ravi 4. Sanjay 5. Zuali 6. Mallikarjun 7. Suresh Singh 8. Sravanthi (2 nd yr.) 9. Kalyani (2 nd yr.)
4	JAM	19-12-12	307	1:30–2:30	PROF. SHARMA & MRS.KIRAN	1. Maqdoom 2. Rajitha 3. Sravanthi

					JYOTHI	
Judges: Mr. Joseph Rajakumar (JAM)						
5	MANTLE THE KEYBOARD	19-12- 12	306 & 307	2:00-3:30	MRS.ESTHER & MRS.SUSHMA	1. Jagan 2. Shekar 3. Prathap 4. Prasaad 5. Amarender 6. Murali 7. Satish (2 nd yr.)
6	PEHCHAN KAUN (Picture Perfect)	20-12- 12	Lab-3	11:00- 12:30	MRS.BAKIYA & MR.PAVAN	1. Bala Krishna 2. Cassandra 3. Rakesh 4. Chandni 5. Swapna 6. Rajesh Rama
7	FAST & FURIOUS	20-12- 12	Lab-4	9:30-12:30	MR.ALOYSIUS & MS.FLORA	1. B.Srinivas 2. Sravan sopari 3. Naresh Babu 4. Satish(2 nd yr.) 5. Mohan (2 nd yr.)
8	CAST UR WEB	20-12- 12	Lab-3	12:30-2:00	MRS. P. MADHURI PAUL & MS.FLORA	1. Y.Suresh 2. Arjun 3. Sidda Reddy 4. Jeevan 5. L.Srinivas 6. E.Sunil
Judges: Mrs. Sujatha – Nizam College(CAST UR WEB)						

16TH ANNUAL DAY CELEBRATION 07 MARCH, 2013

16th Annual Day of the college was celebrated on 07th March, 2013. The following are the list of prize winners:

Academic Toppers

SNo.	Student Name	Class	Prize	Percentage
1	T.Prathuusha	MCA	I	77.19
2	G.Raj Kumar	MCA	II	75.97
3	P.Swetha	MCA	III	73.07

Appreciation Awards

SNo.	Category	Student Name	Class	Prize
1	Best Outgoing	Bhanu Chandra	MCA II Year	I
2	Certificate of Appreciation	R.Ravi	MCA III Year	I
		K.Maria Das	MCA III Year	II
		K.Ganesh Kumar	MCA III Year	III

Computer Club - "Informatique Exhib -2012"

SNo.	Name	Device	Class	Prize
1	1) Manpreeth Singh 2) Pavan Sagar	Hard Disk	B.Sc I Year	I
2	1) Jabbar 2) Nouman	Joystick	B.Com I B	II
3	1) J.Maria Christina 2) J.P.Suzana	Digital Camera	B.Sc I Year	III
4	1) Jon Bosco 2) Kareemulla Hussain	Mikes & Speakers	B.Com IC	Based on Feedback

Co-curricular Activities (MCA)

S.No.	Event Name	Student Name	Class	Prize
1	IT Quiz	M. Shravan Goud	MCA III Year	I
		Bala Vara Prasad	MCA II Year	II
2	Collage	Shalini	MCA II Year	I
3	Ethnic ware	BhanuChandra	MCA III Year	I
		M. Shravan Goud	MCA III Year	II

2. FACULTY DEVELOPMENT PROGRAMME**1) STAFF ORIENTATION PROGRAMME****TWO DAY WORKSHOP ON "ENHANCING QUALITY EDUCATION IN AUTONOMOUS COLLEGES" - 6th & 7th JUNE 2012**

A two day seminar on "Enhancing Quality Education in Autonomous Colleges" for the teaching faculty of St. Joseph's degree & P.G. College was held on the 6th and 7th of June, 2012. As St. Joseph's degree & P.G. College is in its second year of autonomy, the seminar educated and enlightened the teaching faculty on the various aspects of autonomy.

The workshop started at 9.00 a.m. with the lighting of the lamp followed by a prayer service led by Rev. Fr. Gova Showry (Head of the Psychology Department). The Principal welcomed the resource persons - Dr. Bernard D.Sami, IQAC Coordinator, Loyola, Chennai and Dr.Vincent, Associate Professor, Department of Advanced Zoology & Biotechnology, Loyola College, Chennai.

2) 24th AIMS ANNUAL MANAGEMENT EDUCATION CONVENTION 2012

The faculty of St. Josephs attended the valedictory of the 24th AIMS (Association of Indian Management Schools) at 3.00 P.M. held on the Mahindra Satyam premises on the 27th of August, 2012. The citation of Dr. Sekhar Chowdary was read by our Principal Rev. Fr. Dr. V.K. Swamy.

WORKSHOPS/SEMINARS ATTENDED BY THE FACULTY

1. National Symposium

Date: August 31st and September 1st, 2012

Venue: Osmania University.

Topic: Heterogeneous Computing: Platforms, Tools and Applications.

Organized by: Osmania University in collaboration with Advanced Micro Devices.

Participants: Mrs. A. Bakiya Lakshmi and Mrs. P. Madhuri Paul.

2. Mr. M. Joseph Rajakumar attended a workshop “Cloud computing security” organized by the dept. of computer science, Osmania University on 22 July 2012.

PAPERS PRESENTED BY FACULTY

- Prof. D.P. Sharma published a book on “Artificial Intelligence a Comprehensive Approach”, published by Excel Books, New Delhi, Date of Publication is on 7th Feb 2013.
- Mr. M. Joseph Rajakumar and Mrs. M. Kiran Jyothi presented paper “Perspective of a Teacher Role in bringing Quality education” - **Two day National Seminar on Role of IQAC- Sustenance & Enhancement of Quality in Higher Education Institutions**-NAAC sponsored on 25th & 26th September 2012 organized by the IQAC, St. Joseph’s Degree & PG College, Hyderabad.
- Mrs. A. Bakiya Lakshmi presented a paper on “Reckoning Scholar Tactics” - **Two day National Seminar on Role of IQAC- Sustenance & Enhancement of Quality in Higher Education Institutions**-NAAC sponsored on 25th & 26th September 2012 organized by the IQAC, St. Joseph’s Degree & PG College, Hyderabad.
- Mrs. P. Madhuri Paul presented a paper on “An Adaptive Curriculum - To Enhance Quality Education in Teaching and learning process ” - **Two day National Seminar on Role of IQAC- Sustenance & Enhancement of Quality in Higher Education Institutions**-NAAC sponsored on 25th & 26th September 2012 organized by the IQAC, St. Joseph’s Degree & PG College, Hyderabad.

- Ms. E. Flora Nishitha presented a paper on “Getting Fit In 2020 Through Innovative Education “Find Your Spark, And Light It”!!!” - **Two day National Seminar on Role of IQAC- Sustenance & Enhancement of Quality in Higher Education Institutions-NAAC** sponsored on 25th & 26th September 2012 organized by the IQAC, St. Joseph’s Degree & PG College, Hyderabad.

3. TEACHING AND LEARNING PRACTICES

1. GUEST LECTURERS

a) GUEST LECTURE ON “Clustering Techniques” BY DR.SUVERCHALA, HOD, DEPT. OF COMPUTER SCIENCE, BADRUKA COLLEGE, and HYDERABAD FROM MCA III YEAR STUDENTS ON 02 July, 2012.

Topics Covered:

a. Data Mining

- Data mining is a process of analyzing data from different perspectives and summarizing it into useful information. It is a process that allows users to understand the substance of relationships between data. It reveals patterns and trends that are hidden among the data.
- Data mining systems can be classified according to the kinds of databases mined, the kinds of knowledge mined, the techniques used or the applications.
- Three important components of data mining systems are
 - Databases,
 - Data mining Engine,
 - Pattern Evaluation Modules.

b. Cluster Analysis

- Clustering is a method in which we make cluster of objects that are somehow similar in Characteristics.
- In database management, data clustering is a technique in which, the information that is logically similar is physically stored together.

- In order to increase the efficiency of search and the retrieval in database management, the number of disk accesses is to be minimized.
- In clustering, since the objects of similar properties are placed in one class of objects, a single access to the disk can retrieve the entire class.
- Clustering is ultimately a process of reducing a mountain of data to manageable piles.

b) Extension Lecture conducted on "Java with Data structure" by Mr. Jaya Sagar, Sr. Software Engineer, Geeks Lab, and Hyderabad on 26 Feb, 2013.

2. PROJECT COUNSELING & PROJECT GUIDANCE

- As per the curriculum the students of MCA III Year need to do Mini-project in V semester and Major Project in VI Semester. In order to bring in awareness among the students regarding the process of developing the Software Application Experts from Academics and Industry are invited and they train students by conducting workshops or seminars.
- The in-house faculty counsel and guide the students in completing the project on time with efficiency.
- Mini- Project: As per the instructions and guideline of the Osmania University the students are supposed to complete analysis and design phases in the Mini-project. The students are awarded internal marks based on seminars given by the student on Analysis and Design Phase
- Major Project: As per the instructions and guideline of the Osmania University the students are supposed to complete Analysis, Design, Coding and implementation phases of software development process. . The students are awarded internal marks based on seminars given by the student on Analysis and Design and Implementation. The students project work is also evaluated through Viva-voce by External Examiner appointed by the University.

3. TUTORIALS AND REMEDIAL CLASSES

Degree:

- Tutorials : Two hours per week for each subject were allotted for the tutorials
- Remedial and preparation for backlog papers was organized to cater to the needs of slow learners and the students who have failed in the previous year.
- Students were given time and a topic to study and a test was conducted after the time elapse during the revision classes.

MCA:

- Two hours of Tutorial / Remedial were conducted.
- Slow learners were given extra coaching after the college hours.

4. STUDENT SUPPORT SERVICES

1.EVENTS & ACTIVITIES

“Informatique Exhib” - A Computer Fair was conducted on 25th July 2012 for the degree students of all streams. Degree I yr students around 28 teams demonstrated the computer hardware devices through working model and charts.



The objective was to enhance the teaching-learning process.

The Outcome was:

- A Peer group learning, demonstration and presentation skills were developed
- Motivated and facilitated competitive spirit among the students.
- The audience interacted positively and showed their curiosity and enthusiasm to learn more about the device.



2.SEMINARS/WORKSHOPS CONDUCTED FOR STUDENTS

1. Workshop on Enabling Techniques for Emerging Students in New Age of Social Media and Mobile Technology on 01-10-2012 was organized in collaboration with Bonavan software Ltd, for the MCA Students.

2. Pixacore, Microsoft Channel Partners, on 04, Feb 2013 has conducted a seminar on Microsoft Excel and enlightened the benefits of learning the MS-Office package.

3. A seminar conducted on PHP by Mr. Yada Goud – Alumni of the college on 25 July, 2012 and enlightened the students with latest knowledge of web designing using PHP.

4. On 17 Mar, 2012, a project seminar conducted on Java and .Net technologies by NI-MSME. Mr. Srinivas Reddy - Project Manager (NI-MSME) and Mr. Hanumanth Rao - Project coordinator (NI-MSME) to MCA III years.

5. Awareness Seminar on “Networking” conducted by Mr. Kiran, Resource person, Jetking, India’s No.1, Computer Hardware and Networking Institute, on 06, Feb 2013 to make the students aware of network related concepts and to focus new emerging trends in data communication systems.

Topics:

- Basics of hardware components of computer
- Networking courses
- Cisco CCNA certification
- Red hat Linux training
- Career opportunities in the field of Networking



3. COMPUTER CLUB ACTIVITIES - Power Bytes

As a part of the Curriculum, students are given a privilege to learn and experience the new emerging trends, software applications and technologies. Computer Club provides the platform for the students to share, enrich and involve in the new technologies.

Participants : Computer Club Members (Students of UG & PG)
Venue : Seminar Hall I

Faculty Coordinators:

1. Mrs. M.Kiran Jyothi
2. Mrs. T.Esther Ratna
3. Mrs. P. Madhuri Paul

The Students Coordinators for the Power Bytes are:

SNo	Student Name	Course
1	B. Veena Singh	BCom(Reg)
2	Deepak Kumar	BCom(Reg)
3	G. Sharath Kumar	BSc
4	Manpreeth Singh	BSc
5	Bala Krishna	MCA
6	Sravan Kumar	MCA

Following are the some of the events conducted by the computer club

- Paper presentation
- Quiz
- Brain teasers
- Web harvest

Event 1

Topic : Ethical Hacking
Date : 03/09/12
Resource Persons : Sagar Gupta & Shammi Pacholi (I Year BCom Students)

The topics covered in the session are: Hacking, types of hacking, advantages and disadvantages, Case studies Etc. The students demonstrated the techniques of hacking. The participants felt enlightened & enriched.

Event 2:

Topic : INSTALLATION OF WINDOWS XP
 Date : 18/09/12
 Organized by : Mr. B. Lokaiah & Mr.Pavan Kumar –Faculty Dept. of Computer Science

- The session started with an introduction of the operating system, its requirement and functionality.
- A power point presentation on how to install Windows XP in a new system along with the screen shots of different options.
- Demonstration of the Windows XP installation.
- An interactive session of answering the questions by the students.

Event 3:

Topic : Web 3.0
 Date : 20th September 2012
 Organized by : Mr. M. Joseph Rajakumar - Faculty Dept. of Computer Science

The awareness seminar on Web 3.0 was organized by the Department of Computer Science as a part of the Computer Club activities on 20th September 2012 at 1:30 to 2:30 pm in Seminar Hall.

The topics encompassed were History of the Web technologies, the comparisons of Web 1.0, Web 2.0 and Web 3.0.

Event 4:

Topic : Career Opportunities in the Field of IT
 Date : 09th Oct 2012
 Organized by : Mrs. M. Kiran Jyothi - Faculty Dept. of Computer Science

A seminar on “Career Opportunities in the Field of IT” was conducted to bring awareness among the students and staff regarding the scope of IT and the career opportunities. The students were enlightened and enriched.

The Seminar focused on the following fields

- ▶ Programming and Software Development
- ▶ Information Systems Operation and Management
- ▶ Telecommunications and Networking
- ▶ Computer Science Research
- ▶ Web and Internet
- ▶ Graphics and Multimedia
- ▶ Training and Support

4. INDUSTRIAL VISIT

Mrs. A. Bakiya Lakshmi Organized an Industrial Visit to DRDL for B.Sc - II Year students to enlighten the knowledge of “Hall of Missile Technology” (HMT), at DRDL on 28th August, 2012.

They are been exposed to:

- Types of Missiles
- Building the missiles
- Working of a missile
- Components and fuel used in missiles.

5. CERTIFICATE COURSES

The department of Computer Science is conducting the following certificate courses for all the streams of students of this college.

- A Certificate Course on “**Microsoft Excel**” – The objective of the certificate course is to provide the employability opportunity to the students in India and abroad.
- A Certificate Course on “**Hardware & Networking**” – The aim of the certificate course is to give students who aspire for innovation and self employment through a broad overview of computer hardware, networking and troubleshooting.
- A Certificate Course on “**Networking**”, in collaboration with BSNL - RTTC (Regional Telecom Training Center), Gachibowli, Hyderabad. – Students will acquire industry oriented networking training and become job ready from the day one after the training.

5. RESULT ANALYSIS

1. RESULTS OF MCA II YEAR I SEM
2. RESULTS OF MCA III YEAR I SEM
3. RESULTS OF MCA III

RESULT ANALYSIS OF MCA II YEAR I SEM

S.NO	SUB. CODE	FACULTY NAME	DISTIN CTION	I CLASS	II CLASS	III CLASS	FAIL	PASS PECEN TAGE
1	DAA	Mr.D.P.Sharma	0	2	2	0	4	50
2	DBMS	Ms. Flora Nishita	0	1	4	0	3	62
3	SE	Mrs.T.Esther Ratna	0	4	3	0	1	87.5
4	OS	Mrs. M. Kiran Jyothi	0	4	3	0	1	87.5
5	OR	Mr.Bhaskar	3	5	0	0	0	100
6	DBMS LAB	Ms. Flora Nishita	8	0	0	0	0	100
7	OS LAB	Mrs. M. Kiran Jyothi	8	0	0	0	0	100

DAA: DESIGN & ANALYSIS OF ALGORITHMS

DBMS: DATABASE MANAGEMENT SYSTEM

SE: SOFTWARE ENGINEERING

OS: OPERATING SYSTEM

OR: OPERATION RESEARCH

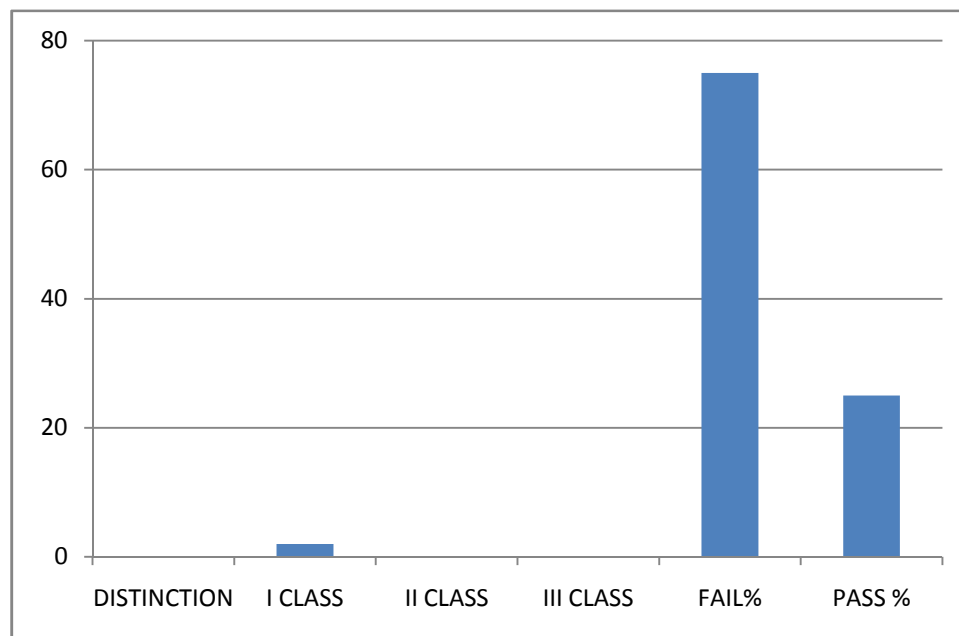
DBMS LAB: DATABASE MANAGEMENT SYSTEM LAB

OS LAB: OPERATING SYSTEM LAB

RESULT ANALYSIS OF MCA II YEAR I SEM
OVER ALL RESULT ANALYSIS

ANALYSIS:

DISTINCTION	I CLASS	II CLASS	III CLASS	FAIL%	PASS %
0	2	0	0	75	25

**TOPPERS OF THE CLASS**

HALL TICKET NO.	STUDENT NAME	TOTAL MARKS SECURED	PERCENTAGE
121411862004	Mohan Babu	335	67
121411862009	Kalyani	333	66.6

RESULT ANALYSIS OF MCA III YEAR ISEM

S.N O	SUB. CODE	FACULTY NAME	DISTINC TION	I CLASS	II CLASS	III CLASS	FAIL	PASS PECENTAGE
1	ST	Mrs. M. Kiran Jyothi	1	27	8	0	5	87.8
2	MWT	Mr. Joseph Rajakumar	5	21	11	0	4	90.2
3	OOSD	Mrs.T.Esther Ratna	2	27	9	0	3	92.6
4	ECO M	Mr.D.P.Sharma	3	24	12	0	2	95.1
5	RIA	Mr.Lokaiah	5	26	6	0	4	90.2
6	MWT LAB	Mr. Joseph Rajakumar	41	0	0	0	0	100
7	OOSD LAB	Mrs.T.Esther Ratna	41	0	0	0	0	100

ST: SOFTWARE TESTING

MWT: MIDDLEWARE TECHNOLOGIES

OOSD: OBJECT ORIENTED SYSTEM DEVELOPMENT

ECOM: E- COMMERCE

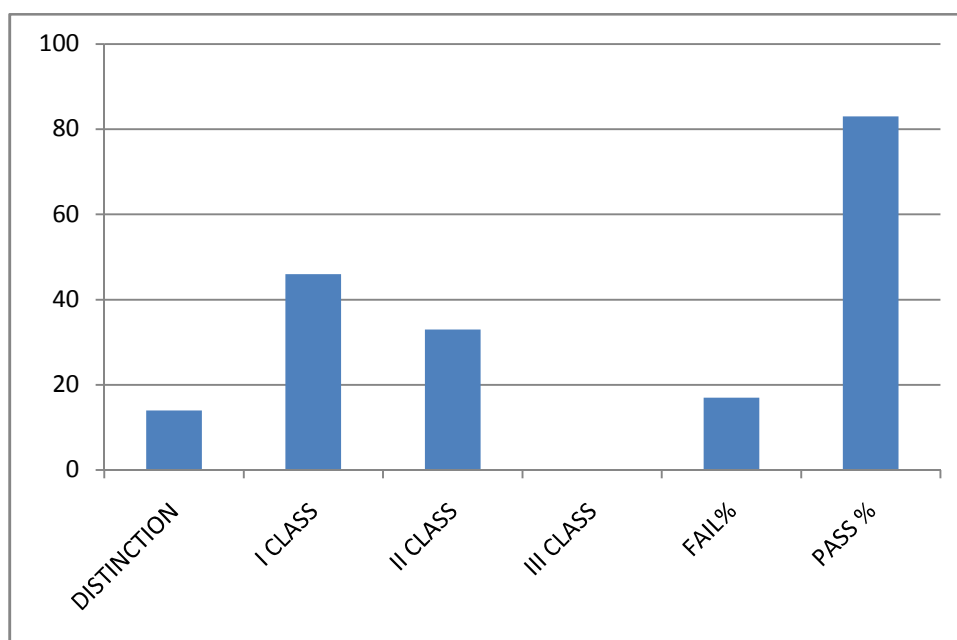
RIA: RICH INTERNET APPLICATIONS

MWT LAB: MIDDLEWARE TECHNOLOGIES LAB

OOSD LAB: OBJECT ORIENTED SYSTEM DEVELOPMENT LAB

ANALYSIS:

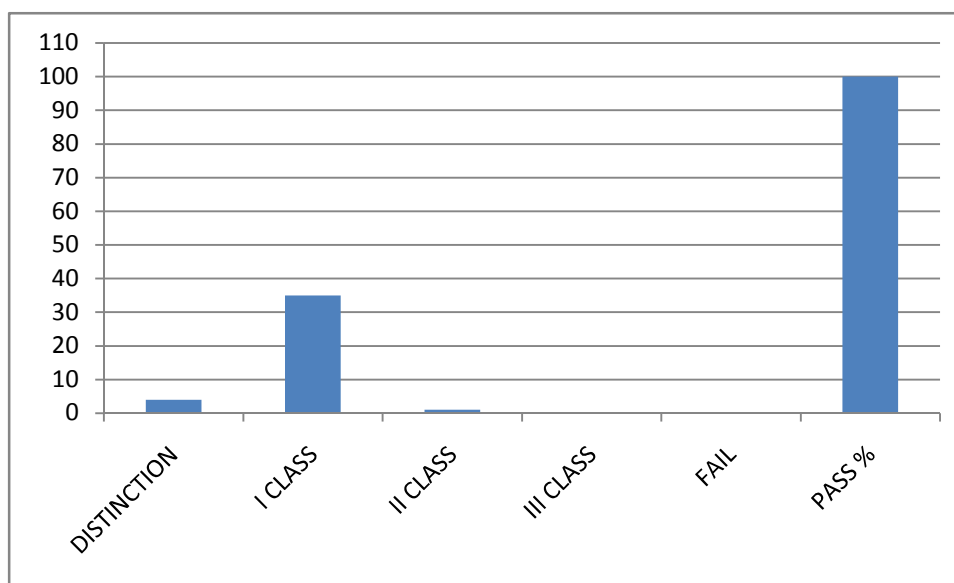
DISTINCTION	I CLASS	II CLASS	III CLASS	FAIL	PASS %
14	46	33	0	17	83

**TOPPERS OF THE CLASS**

HALL TICKET NO	STUDENT NAME	TOTAL MARKS SECURED	PERCENTAGE
121410862005	Chandini Bhandari	370	74
121410862025	V. Koti Reddy	360	72
121410862030	M. Shital Santinath	357	71.4

RESULT ANALYSIS OF MCA PASSED OUT BATCH (2009-12)

DISTINCTION	I CLASS	II CLASS	III CLASS	FAIL	PASS %
4	35	1	0	0	100



Pass Percentage: 100%

TOPPERS OF THE CLASS

HALL TICKET NO	STUDENT NAME	TOTAL MARKS SECURED	PERCENTAGE
121409862003	T. Prathyusha	2586	77
121409862034	G. Raj Kumar	2545	75.9
121409862013	P.Swetha	2448	73
121409862007	G.Pavan Kumar	2351	70

6. PLACEMENTS

1. PRE-PLACEMENT ACTIVITIES

The main objectives of the placement cell are:

- To build an attitude among the students such that they can face challenges with ease
- To create awareness regarding the selection attributes according to the priority given by the employers
- To enrich and enhance the knowledge, communication skills and creating confidence among the students.
- The department of computer science has MOU with JKC –IEG for better placements.
- The students are guided for certifications of ORACLE and IBM.
- The students of MCA have registered for Microsoft Tech Clubs and CSI (Computer Society of India) which makes the students aware of the latest technological trends in IT.
- The students of MCA are motivated and guided by the faculty in doing projects given by IBM.
- To fulfill the above objectives following pre placement activities are conducted through the Computer Clubs
 1. Mock Interviews
 2. Group Discussions
 3. Aptitude and reasoning test
 4. Seminars
 5. Mini projects
 6. Soft skills training
 7. Debugging & Programming test

To make students aware of the expectation of the industry following Guest lecturers/Seminars are organized

- Career Development Training Program – A One day Workshop on Core Java conducted by Mr. Jaya Sagar, Geek Labs, Hyderabad on 05, Jan, 2013. This program focused on all the Java related application developments for updated software in the market.
- Awareness Seminar on “Networking” conducted by Mr. Kiran, Resource person, Jetking, India’s No.1, Computer Hardware and Networking Institute, on 06, Feb 2013 to make the students aware of network related concepts and to focus new emerging trends in data communication systems.
- The awareness seminar on Enabling Techniques for Emerging Students in New Age of Social Media and Mobile Technology was organized by the Department of Computer Science in Collaboration with Bonavan software Ltd, for the Degree Students on 12th September 2012 at 1:30 to 2:30 pm in Seminar Hall. The students were enlightened with the technology such as Python, Django, Java, Android, Cassandra and FaceBook Applications.

2. LIST OF MCA III YR STUDENTS PLACED

S.NO	NAME OF THE STUDENT	NAME OF THE COMPANY	SALARY OFFERED
1.	Hardhik Pithada	Fauna Technologies	2.4K
2.	Prathyusha	Google Maps	2K
3.	Sumit K	Google Earth	1.8K
4.	Govind	IBM	2.5K
5.	1) Ashok 2) Yada Goud	Entrepreneurs	

7. STUDENTS ACEIVEMENTS

S.No	Participants	Course	Prize	Event and Location
1.	Ravi	MCA - III year	2 nd prize in Coding	Fest at Loyola College
2.	Ravi	MCA - III year	1 st prize in Gaming	Fest at Loyola College
3.	Ravinder Reddy	BSc II year	2 nd prize in Coding Freaks	Elite of Loyola Academy
4.	1. Anurag 2. Nikila 3. Nikhilesh	BSc III year	1 st prize Brain Teasers and Treasure Hunt	Elite of Loyola Academy
5.	1. Mukesh 2. Sharath 3. Naresh	BSc III year & II year	2 nd prize in Brain Teasers	Elite of Loyola Academy

8. SASMITHA - SOCIAL SERVICE ACTIVITIES

Date: 15/06/2013

Venue: Aram Ghar - Indian Council of Social Welfare.

Participants: MCA III Year Students of St.Joseph's Degree & PG College

With an intension to invoke social concern among the students the Department Of Computer Science organized one day programme on 15th June, 2013 at "Aram Ghar " a center for aged & Mental disordered people. The students distributed some eatables & clothes. They donated groceries for a week. Simple cultural programme was organized by the students.



9. DEPARTMENT CONTRIBUTION TOWARDS EFFECTIVE ADMINISTRATION

- **Website:** The college websites are regularly updated to give up-to-date information to the students, faculty and other stake holders.
- **Ez-School:** The department monitors and maintains an application named Ez-School which helps in automating the administrative tasks like Fee collection, maintaining student database, monitoring the student punctuality and regularity, placement module and SMS services.
- **Online Student Feedback System:** To enhance the teaching-learning methodologies, the department involves in conducting students feedback twice in an academic year to help the management in maintaining and improving the quality of a teacher.
- **E-Mail Management:**
 - The department administers the E-Mail account for the entire staff of the college.
 - The department manages the college official mail-id and reports the information confidentially to the principal & respective department HoD's periodically.

10. PLAN OF ACTION FOR THE NEXT ACADEMIC YEAR [2013-2014]

1) FACULTY DEVELOPMENT PROGRAMMES:

1. Ecommerce
2. Dot Net
3. Research Articles and Paper Presentations

2) STUDENTS SUPPORT PROGRAMMES:

1. Computer Club
(Every Wednesday of the Week - 1:20PM - 2:00PM)
2. Informatique Exhib - 2013
3. Certificate Course
 - Microsoft Certification to be conducted in Semester-I
 - BSNL to be conducted in Semester - II
 - Basic Hardware & Networking to be conducted in Semester - I
4. Outreach Programme
Center for aged and Mental disordered people at Indian Council of Social Welfare - 15 June 2013
Computer Awareness Programme - visit to a Govt. school (in Semester -II)
5. Short Term Courses
(CISCO WAN Technology, Dot Net,)
6. Inter Disciplinary Courses
(E-Commerce, Web Designing)
7. Seminars
(Cloud Computing)
8. Workshops
(Certified RedHat Linux)
9. Guest Lectures
(Core Java, Oracle 13i, SAP Basics)
10. IT Meet
11. Alumni Contribution
(Testing Tools, Web Services, Advanced Java)
12. Industry Visit
(Defence Research & Development Laboratory (DRDL),
Regional Telecom Training Center (RTTC))

HoD

Principal