

Department of Computer Science & Engineering

Information Brochure

Department Profile

- Department Established in 2007.
- Intake of 60 for Bachelor's program.
- Affiliated to JNTU Anathapur
- Twenty Two well experienced faculties
with 04 Ph.Ds, 1 is pursuing Ph.D and

Department of Computer Science and Engineering

Program Educational Objectives (PEO's)

The Program Educational Objectives of the Under Graduate Programme in Computer Science and Engineering are:

Graduates of the Program will have

- **PEO1:** Strong fundamental knowledge in Computer Science & Engineering, technical competency and problem-solving skills to develop innovative solutions.
- **PEO2:** Necessary domain knowledge and successful professional career in IT and allied fields of Computer Science & Engineering.
- **PEO3:** Ability to pursue higher education and Entrepreneurship.
- **PEO4:** Necessary skills for lifelong learning, teamwork and research to cater for real time needs of industry and society.

PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

- **PO1:Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- **PO2:Problem analysis:** Identify, formulate review research literature and analyze complex engineering

Department of Computer Science and Engineering

- **PO7:Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- **PO8:Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

- **PO9:Communication:** Communicate effectively in the professional engineering context.

Department of Computer Science and Engineering

A graduate of the Computer Science and Engineering Program will be able to:

- **PSO₁:** Apply Software Engineering Principles and Practices to provide software solutions.
- **PSO₂:** Design and Develop Network and Mobile based applications.
- **PSO₃:** Design innovative algorithms and develop effective code for business applications.

Department of Computer Science and Engineering

- Programs offered:

- B.Tech C S E
- M.Tech C S E

Department Core Assets

- ❖ To Create Conducive Environment to nurture innovation and interdisciplinary Research, a well infrastructure has been established.
- ❖ To Nurture the Students with Fundamental Engineering Knowledge enriched with Technical Skills, 12 laboratories with high end configured systems which meets laboratory curriculum needs as well as research needs.
- ❖ Self motivated, practical thinking and well trained, certified faculty
- ❖ To Foster Industry-Institution Partnerships Leading to Skill Development and Entrepreneurship, active R & D centers across various computing domains were established.
- ❖ Internship opportunities to students

Laboratories: Maintenance And Overall Ambience

- Department has enough labs which are used for all the years on timetable basis to meet the curriculum requirements.
- The courses which have practical work are provided labs every week.
- Labs are equipped with sufficient hardware and software resources to run program specific curriculum.
- Simulation lab/ Project Lab have been provided

Computer Lab Centers

1. Problem Solving & Programming Lab and IT Workshop

Number of Computers: 30

Operating System: :UBUNTU 14.04

Software Installed: GCC,Turboc++,
Libre Office

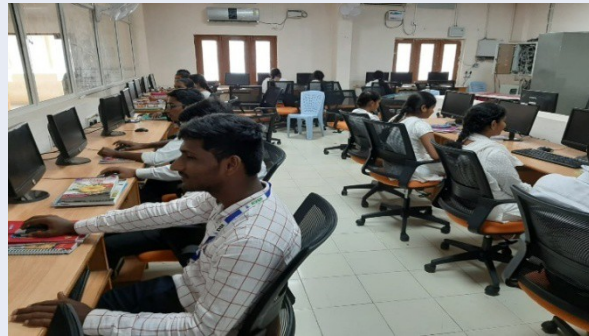


1.2 Operating System &Data Structures Lab

Number of Computers: 30

Operating System: UBUNTU 14.04

Software Used :Turbo C++



2.1 JAVA and Grid & Cloud Computing Lab

Number of Computers: 30

Operating System: UBUNTU 14.04

Software Used : GCC ,JDK 1.5



2.2 Mobile Application Development Lab

Number of Computers: 30

Operating System: UBUNTU 14.04

Software Used : Android 2.0, JDK 1.5



2.3 Research and development Lab 1

Number of Computers: 30

Operating System: UBUNTU 14.04

SoftwareUsed:Android 2.0, JDK 1.5



3.1 Project Lab

Number of Computers: 30

Operating System: UBUNTU 14.04

Software Used : Android 2.0, JDK 1.5



3.2 Object Oriented Analysis and Design & Software Testing Lab & Web and Internet Technologies

Number of Computers: 30

Operating System: UBUNTU 14.04

Software used: jmeter, win runner, selenium, XAMP



3.3 Research & Development Lab 2

Number of Computers: 30

Operating System: UBUNTU 14.04

Software Used : Android 2.0, JDK 1.5



4.1 PG Lab

Number of Computers: 30
Operating System: UBUNTU 14.04
Software Used : Android 2.0, JDK 1.5



4.2 Database Management Systems &

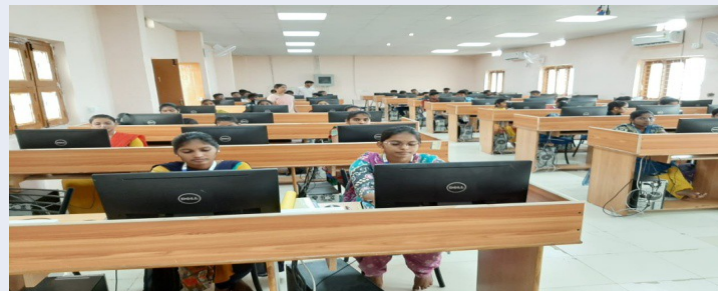
Data Warehousing and Mining Lab

Number of Computers: 30
Operating System: UBUNTU 14.04
Software Used: MySQL, WEKA



5 English Lab

Number of Computers: 30
Operating System: Windows 7
Software Used: Communication Skills & Advanced English Communication Skills Software

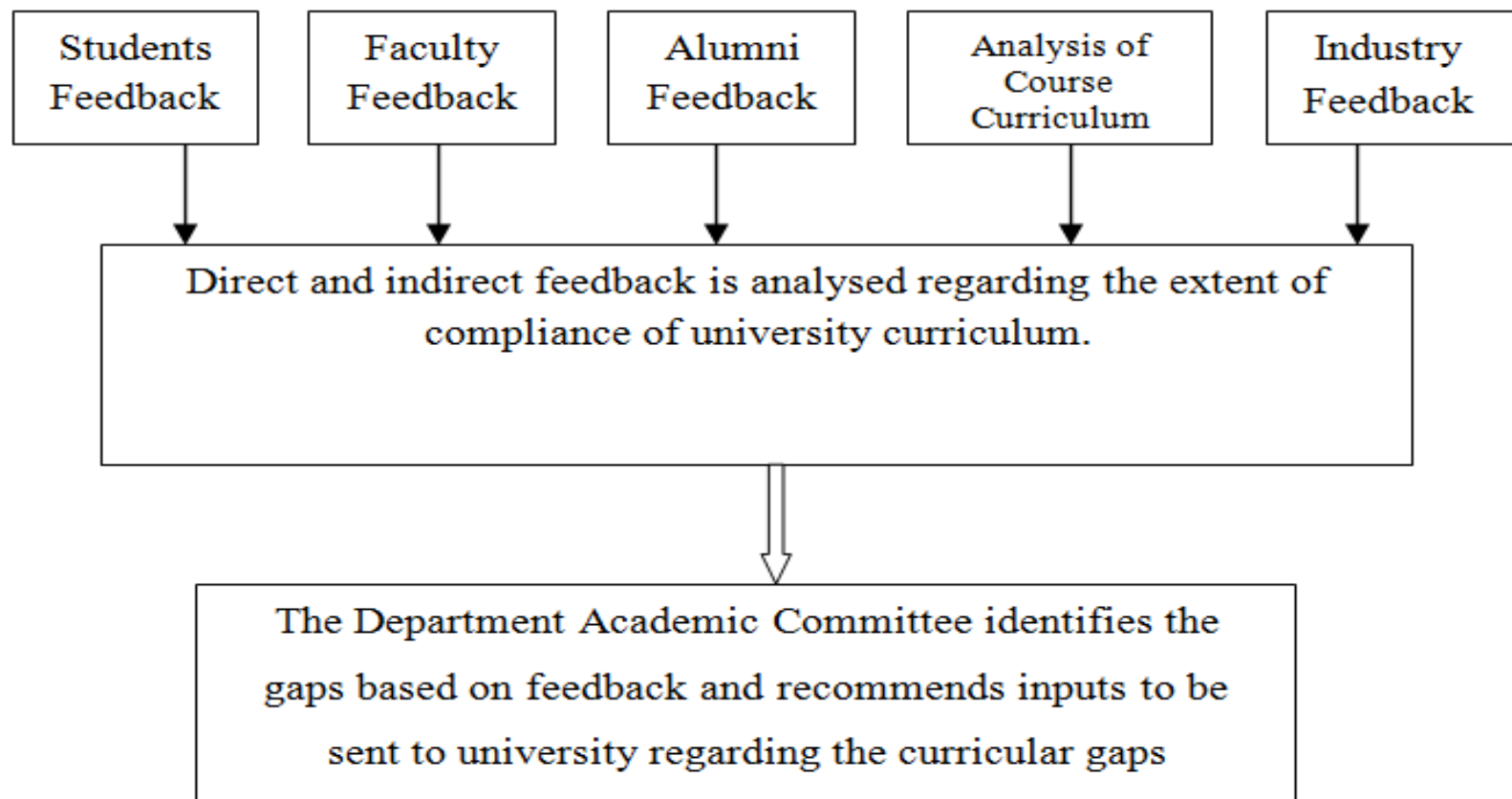


6 Computer Centre

Number of Computers: 266
Operating System: UBUNTU 14.04
Software Used: GCC, TurboC++, JDK 1.5, MySQL



Process employed for Identification of Compliance of University Curriculum



Student centric learning

Intellectual rigor in

academics Industry

exposure Internship

Focus

Entrepreneurship focus

Life Skills

Strengths of Department



For monitoring the student academic performance, **E-Student Corner** was introduced with which the students information is at key stroke accessible.



Placement training classes were incorporated into the students regular time table as part of academics.



Certification Courses were introduced in collaboration with **IIT Bombay** to enhance employability skills of students at international level.



R & D Centre of Excellence Laboratories were established in collaboration with IBM, SAP, HP and also to



promote research activities in the domains of Data Mining and Image Processing.



Research Oriented Guest Lectures and Workshops were conducted in benefit of faculty members,



students to increase the research knowledge among them.



Application development workshops were conducted on android and windows applications to make

students fit enough in this everyday competitive world in programming.

More **Coding and Programming challenges** like application development using

Industry Interaction / MOU's /Academic Collaboration Programs

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An ISO 9001 : 2008 Certified Company



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 **Techno
Endeavours**

 **Opal Cyber Solutions**
Pvt Ltd

Student Associations and Professional Bodies

EVENTS

**Technical
Paper
Presentations**

Coding Contests

Technical Quiz

Workshops

Guest Lectures



Student Training Programs

- Training on Android
- Training on Big data Analytics and its Applications
- Training on Internet Of Things
- Training on Network Security

Internships

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**Techno
Endeavours**

Opal Cyber Solutions
Pvt Ltd

Placements-some of premium packages

SNO	NAME OF THE COMPANY	NO OF STUDENTS PLACED	PACKAGE
1	Opal Cyber Solutions Pvt. Ltd., Hyderabad	8	1,50,000 PA
2	I-Pad Technologies, Hyderabad	9	2,15,000 PA
3	Indstack IT Consulting Private Ltd., Hyderabad	4	1,80,000 PA
4	Techno Endeavors Pvt. Ltd., Hyderabad	2	2,20,000 PA
5	Acestech Pvt. Ltd., Tirupathi	1	1,50,000 PA
6	Emacs Technologies Pvt. Ltd., Hyderabad	3	2,00,000 PA
7	Jsr Solutions, Bangalore	3	1,89,354 PA



Research & Development centers

- Center for Data Science
- Center for Image processing
- Center for Network Security
- Center for Open source technologies
- Center for cloud computing
- Center for Software Engineering
- Center for Mobile Application

