UNIVERSITY OF HYDERABAD

School of Computer and Information Sciences

Placement Brochure
2014 - 2015

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University of Hyderabad

School of Computer and Information Sciences
Gachibowli, Hyderabad – 500046

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Vice Chancellor's Message

The University of Hyderabad, a premier institution of postgraduate teaching and research in the country, as established by an Act of Parliament (Act No. 39 of 1974) on October 2, 1974, as a Central University, wholly financed by the University Grants Commission. It has emerged as one of the best centers for postgraduate education and research in India in a variety of areas encompassing basic and applied sciences, social sciences, humanities and fine arts.

The School of Computer and Information Sciences offers five different programmes of study leading to degrees in Ph.D. in Computer Science, five year Integrated M.Tech. in Computer Science, M.Tech. (Computer science), M.Tech. (Artificial Intelligence), M.Tech. (Information Technology) with specialization in Banking Technology and Information Security (in collaboration with IDRBT) and MCA. In addition, the School also contributes and supports M.Tech. (Computational Techniques) of School of Physics, 5-year Integrated M.A and M.Sc. courses.

I am sure you will find that the students are of quality which is much higher than any technology-related institution in the country and most importantly are "employment-ready" in all the above-mentioned areas.

I take this opportunity to invite you to interact with the faculty and students of these programmes and wish the students a successful campus placement.

Ramakrishna Ramaswamy
Vice Chancellor, University of Hyderabad

Dean's Message

At a time when computer education was virtually unknown in India, School of Computer and Information Sciences has made great strides over the years in providing computer education of the highest quality and in developing tomorrow IT professionals. Over the last three decades SCIS has emerged as one of the leading computer school in university systems of the nation with the vision to be an international center of excellence and the mission to develop innovative IT human resources. It has now grown into a fully integrated IT school. The guiding philosophy has been creation of foundational knowledge, applications to real world and research of highest caliber.

The School fosters and nurtures young minds capable of making difference in research and commercial facets of information technology. At SCIS, students become immersed in its culture of rigorous analysis, lab assignments, presentations and group discussions. We teach students the theories and concepts and make them put hard work in lab sessions to develop skills. Our programmes enable and encourage students to challenge conventional wisdom and come up with innovative solutions. Our students are selected through extremely competitive nation-wide entrance test.

Our MCA programme, one of the first in the country, is rated to be one of the best MCA in the country. There were occasions when employers would prefer MCA of SCIS over many other degree in the country. MTech(AI) programme is yet another special programme that aims at training students with higher proficiency in Computer Science to be trained on never concepts that empower them to be better computer scientists. MTech (IT with Banking Technology) emphasizes on developing skills on information security and banking.
Each of the four programmes offered by SCIS has its own strength and is unique in its nature.

I wish that prospective employers find our students suitable for their need.

Arun K. Pujari
Dean, SCIS

IDRBT Director's Message

Reserve Bank of India established IDRBT in the year 1996 for promoting development and research in the area of Banking Technology. As part of building the HR skills to meet the research and development activities, IDRBT, in collaboration with University of Hyderabad, has been offering M Tech (IT) programme with focus on Banking Technology.

The syllabus of the two-year post-graduate programme includes important topics like information security, cryptography, database management and networks in addition to banking technology and quantitative techniques for finance. The wide range of topics give students the necessary skills in information technology and its applications.

As part of the programme, students take up a rigorous one year project work under the guidance of faculty of IDRBT at the state-of-the art labs specializing in the areas like analytics, mobile security, and information assurance. They also get exposed to infrastructure of importance to nation's financial systems such as INFINET, SFMS, and CA.

The blend of theory and practice prepares the students to work in any area quite well. This has been proved by the good track record of placement and substantiated by subsequent feedback from industry.

The prospective employers may exploit the opportunity and engage the well trained students.

Dr. A.S. Ramasastri
Director, IDRBT

Placement Officer's Message

School of Computer and Information Sciences (SCIS), University of Hyderabad has been preferred destination for aspiring technologists from across the country for the past several years. The University of Hyderabad consistently attracts the finest set of students for its Master's and Doctoral programmes. This School has a unique distinction to start M.Tech. in Artificial Intelligence for the first time in the country. This programme train students to use Soft Computing in system's design.

SCIS has a rich tradition of pursuing excellence and has continually re-invented itself in terms of academic programmes and research infrastructure. Students are given a freedom to select state of art elective courses, apart from their courses of core competence, to make a career in the specialized areas.

Students are exposed to challenging research based academics and a host of sports, cultural and organizational activities on its vibrant campus. The presence of world class facilities, vigorous institute-industry collaborations, international exchange programmes, interdisciplinary research collaborations and industrial training opportunities help students of SCIS to excel and be ahead in the competitive professional environment. MCA students are especially skilled in application areas so as to become immediately employable in the Industry. Our M.Tech. Computer Science and M.Tech. Information Technology are one of the best post graduate programmes in Indian Universities setup. In the last forty years, SCIS has produced many illustrious alumni, whose contributions at national and international levels have been significant. The alumni of SCIS, University of Hyderabad are often sought after for coveted positions in the realm of business, academics and research.

As the Chairman of the Placement Guidance and Advisory Bureau Cell, University of Hyderabad, I highly value our partnership with recruiters, alumni and friends of University of Hyderabad and remain committed to making your recruiting experience productive and positive. I invite the recruiting organizations and graduating students to find the best match between their needs and capabilities.

I look forward to listen from your side.

Sincerely yours
Rajeev Wankar, Professor of CS at SCIS
Chairman, Placement Guidance and Advisory Bureau, UoH

About University

University of Hyderabad (UoH) is one of the most prestigious institutions of higher education in India largely devoted to postgraduate studies and widely known for its excellence in research and its distinguished faculty. Founded in 1974 with Prof. Gurubaksh Singh as its first Vice Chancellor, UoH - also known as Hyderabad Central University or HCU has emerged as a leading center for teaching and research. The sprawling campus located near Gachibowli has vast bio-diversity. This naturally beautiful campus is home for over 75 varieties of bird, lakes and rock formations.

Programmes

With 46 different Departments and Centre organized in 12 Schools of study, the University has over 400 faculties and over 5000 students. A School of Economics is proposed to be started at the University. The University offers close to 150 different programmes of study ranging from Doctoral studies to Masters level degrees, as well as a range of post graduate diplomas and short term courses by Distance mode. It also has a thriving Five years Integrated Master programme. The University hosts an ever increasing number of foreign scholars in the highly popular Study in India programme.

Collaboration

UoH works closely with a large number of institutions on campus such as:

- C R Rao Advanced Institute of Mathematics, Statistics and Computer Science (AIMSCS),
- Association of Management Development Institutions of South Asia (AMDISA)
- Tata Institute of Fundamental Research (TIFR)
- Energy Resources Institute (TERI)
- National Institute for Smart Government (NISG)
- Indian Institute of Public Health (IIPH)
- Institute of Life Sciences (ILS)

Achievements and Awards

The University is known for providing high quality academic training, and has been recognized through a number of awards such as: PURSE, given by the Prime Minister of India, an A-Grade accreditation by the National Assessment and Accreditation Council (NAAC).

About School of CIS

Department of Computer & Information Sciences became School of Computer and Information Sciences on **22-01-2013.**

Programme of Study

School of Computer and Information Sciences offers high quality Post-Graduate teaching and research programmes in all major areas of Computing, Information Science and Artificial Intelligence.

The school has the unique distinction of offering

- Master of Computer Applications
- M.Tech programmes in
  - Computer Sciences
  - Artificial Intelligence
  - Information Technology with specialization in Banking Technology and Information Security.
- 5 year Integrated M.Tech. Programme with a dual degree of B.Tech. and M.Tech. in Computer Science
- Ph. D programme with more than 50 registered students as of date and 40 scholars have completed their research till now.

Research Areas

Current research areas include Computer Networks and Distributed Processing, Database Management Systems, Software Engineering, Computer and Network Security, Mobile Computing, Logic, Decision Support Systems, Enterprise Resource Planning, E-Commerce, Geographical Information Systems, Data Warehousing and Data Mining, Bio-Informatics, Artificial Intelligence, Machine Learning, Cognition, Natural Language Engineering, Speech Processing, Image Processing, Pattern Recognition, Vision, Parallel & Grid Computing.

Fellowship

Post-Doctoral Fellowships are available for research in specific areas in collaboration with IDRBT. GATE fellowships are available for M. Tech. students. In addition, a limited financial assistance is available to meritorious students with financially / socially weak backgrounds.

LIFE AT SCIS

What it means to be an SCISian ?

An SCISian could be described as being talented, intelligent, hard-working and creative. The real mark of an SCISian is the hunger for knowledge and passion for scientific methodology, which when combined provides them with the ideal tools for solving problems both innovatively and efficiently. The lectures do not follow the standard one-way mode of interaction, but are rather like an interactive arena where students are encouraged to question and think for themselves; when a question is asked by a faculty member, rather than spoon-feeding the solution, they prefer to guide the student towards it, and help them find the answers for themselves. The student's intelligence and resilience are tested regularly with rigorous assignments and projects. The faculty is assisted by senior students, who also help the junior students out with their studies. A number of guest lectures are conducted on a wide variety of topics that excite and stimulate the students' minds, while keeping them abreast with the latest technological advances.

SCISians come from all parts of the country and beyond, and the interaction between diverse cultures results in students having a broader, healthier outlook to life. The years spent as an SCISian works as a launch-pad for a stable and spectacular take off into the real world to achieve true success.

About IDRBT
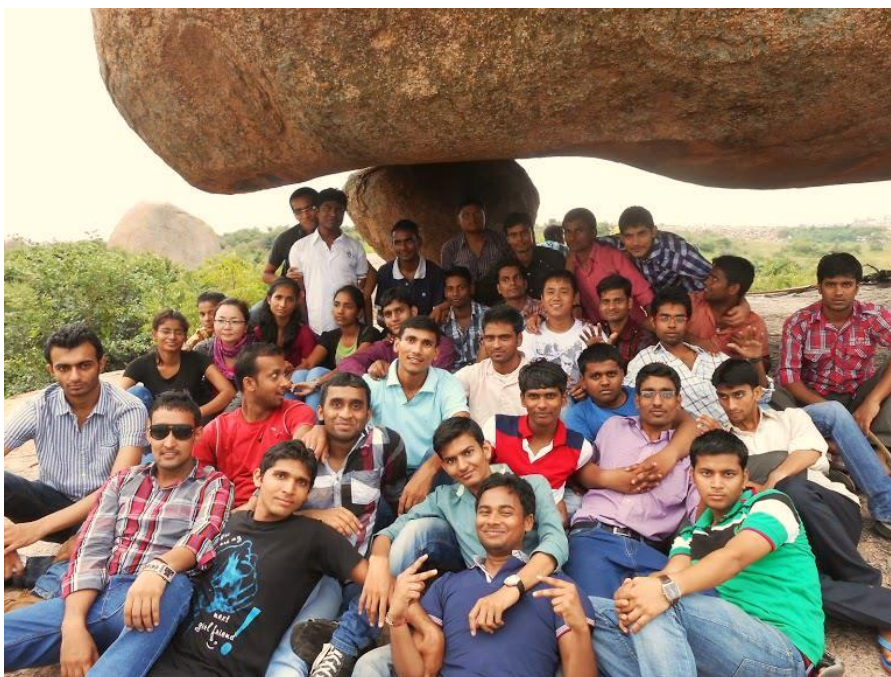
Institute for Development and Research in Banking Technology (IDRBT)

IDRBT was established by the Reserve Bank of India in March 1996, as an autonomous body. The Institute pioneers the modernization process by introducing Information Technology to the Indian Banking and Financial Sector. IDRBT has taken the lead – from anticipating the technology requirements, developing solutions to creating and customizing IT and IT infrastructure for the benefit of the Indian Banking and Financial Sector.

The Institute plays a catalytic role in ensuring that technology is leveraged to the maximum to enhance productivity, customer satisfaction and to offer innovative and value-added services in tune with the global trends in the BFSI sector. In a short span, the IDRBT has created the nationwide communication backbone for the Indian banking industry – the INdian FInancial NETwork (INFINET) and setting up of the National Financial Switch (NFS) (now a part of the NPCI).IDRBT is also a Certifying Authority (CA) under the IT Act 2000, which issues Digital Certificates to the banking industry, to facilitate inter-bank communication in the country. Subsequently, the Institute launched the framework of Structured Financial Messaging System (SFMS), in order to suffice the need for a secure and common messaging system for intrabank and interbank applications. All National Electronic Funds Transfer (NEFT) messages are routed through a hub hosted by IDRBT; this enables customers to make inter-bank payments online.

IDRBT has also set up Indian Banking Technology Consortium (IBTC) to guide banks on the latest in financial technology. IDRBT has deep and wide access to domain knowledge in the area of banking. IDRBT as a research institution focuses on applied research with practical bias. The research outcomes are imparted to various banks through Executive Development Programmes. These highly specialized Executive Development Programmes are conducted for banking professionals exposing them to state-of-the-art developments in Information Technology.

Lab Facilities

The Department houses a well-equipped Artificial Intelligence Laboratory (AI Lab) and a Multimedia Lab fully networked. Each node has a direct connection with the Red Hat Linux and Windows 2000 Servers. The Windows 2000 Servers is hooked up to the UOHYD Domain Server in the Computer Center and internet facilities. The Department has several advanced labs set up for specialized study in topics of interest of the faculty such as:

- Artificial Intelligence Lab
- Embedded Systems Lab
- Software Engineering Lab
- Spoken Language Processing Lab
- Network and System Security Lab
- Data Mining Lab
- Grid Computing Lab
- Natural Language Engineering Lab
- Optical Character Recognition Lab
- Image Processing Lab
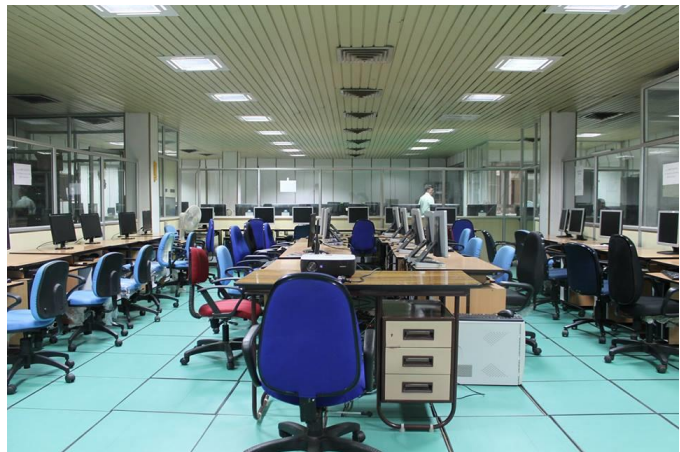
Research Projects and Grant Collaboration

Grants and Collaborations

Department of Science and Technology (DST), Govt. of India has recognized the School's research contribution by funding it under FIST programme. Research labs in the school are supported by various national and international funding agencies like DST , AICTE, MIT, Govt. of India, and Verizon Inc. USA.

To strengthen the research in Software Engineering and Business Process Re-engineering it has initiated academic collaboration with United Nations University/International Institute of Software Technology , Macau and University of Trento, Italy . Recently , the School has signed MoUs with IBM(ISTL), Hitachi and Pramati to promote research and teaching programme in Business Processes Re-engineering and Middleware Technology .

FUNDED RESEARCH AND PROJECTS

The school currently executes several research projects (funded by MCIT, UGC, ISRO, DRDO, MHA, DST , AICTE, etc.) .

- DLRL Project on Cryptanalysis of A5/1 Algorithm, University of Hyderabad, India. (Rs. 25L).
- MCIT, Govt. of India Project on Development of Robust Document Analysis and Recognition System for Printed Indian Scripts (Telugu) - Phase II, University of Hyderabad, India. (Rs. 81 L).
- DLRL Project on Cryptanalysis of A5/1 and A5/2 Cryptosystem, University of Hyderabad , India. (Rs. 9L).
- NIMH Project on In-vivo Dynamics Neurogenesis in brains of Children with Down syndrome: Correlation with Proliferation and Structural integrity, University of Hyderabad, India. (Rs. 34L).
- MCIT, Govt. of India Project on Development of Robust Document Analysis and Recognition System for Printed Indian Scripts (Telugu), University of Hyderabad, India. (Rs. 36L).
- MCIT, Govt. of India Project on Data Mining Algorithms for Information and Network Security, University of Hyderabad, India (Rs. 56 L).
- ISRO Respond Project on Content Based Image Retrieval of Remotely Sensed Data, University of Hyderabad, India.(Rs. 24L).
- MHRD, Govt. of India Project on Development of Software Tools for Decipherment of Obliteration and Erasures on Questioned Documents, University of Hyderabad, India.(Rs. 20L).
- Resource Centre for Indian Language Technology Solutions, Estd. By MCIT, Govt. of India at University of Hyderabad, India.(Rs. 98L).
- Enhancing Quality, Access and Governance of Undergraduate Education in India.(Rs.1.5 C).
- Mathematical Modeling of Fuel Air Explosive System as a part of ACRHEM, for HEMRAL, Pune.(Rs. 2 C).
- Grid Fabric/Middleware Technology for Developing Framework for Deploying Ocean Related Applications and Services.(Rs. 90 L).
- To study upper ocean thermohaline structure of the North Indian ocean on intra-seasonal and inter-annual time scale.(Rs. 12L).
- Development of Grid Middleware for Integration of Dispersed Resources.(Rs. 10 L).

Ph.D. students are encouraged to work in various exchange-programs at University of Trento, Italy , to carry out full-time research in Formal Methods for Business Process Re-engineering.

Faculty Profile (SCIS)

Arun K Pujari, (Dean of the School)
Ph.D. (I.I.T, Kanpur)
Area of Interest - Combinatorial Algorithms, Data Mining, Artificial Intelligence.

Hrushikesha Mohanty, Professor
Ph.D. (I.I.T, Kharagpur)
Area of Interest - Distributed Computing, Software Engineering, Computational Social Science

P.N. Girija, Professor
Ph.D. (SVU)
Area of Interest - Speech Synthesis, Speech Recognition, Human Computer Interaction, User Interfaces

Chakravarthy Bhagvati, Professor
Ph.D. (RPI, USA)
Area of Interest - Image Processing, Computer Vision, Pattern Recognition

Atul Negi, Professor
Ph.D. (University of Hyderabad), M.S.(I.I.Sc., Bangalore)
Area of Interest - Pattern Recognition and its Applications,
Computational Intelligence, Technology Enhanced Learning

Siba Kumar Udgata, Professor
Ph.D. (Berhampur)
Area of Interest - MobileComputing, Networks and Architecture.

Alok Singh, Associate Professor
D.Phil. (University of Allahabad)
Area of Interest - Combinatorial Optimization using Heuristic and Metaheuristic Technciques.

Arun Agarwal, Professor
Ph.D. (I.I.T, Delhi)
Area of interest - SMIEEE, FIETE, FAPAS - Image Processing, Computer Vision, Pattern Recognition and Neural Networks, Grid Computing.

C. Raghavendra Rao, Professor
Ph.D. (Osmania University) -
Area of Interest - Simulation & Modeling, Knowledge Discovery, Computational Intelligence

K.Narayana Murthy, Professor
Ph.D. (University of Hyderabad) -
Area of Interest - Natural Language Engineering

Bapi Raju Surampudi, Professor
Ph.D. (UTA, USA)
Area of Interest - Neural Networks, Cognitive Modeling, Pattern Recognition,Machine Learning

Rajeev Wankar, Professor
Ph.D. (DAVV, Indore)
Area of Interest - Parallel Computing, Grid Computing, Analysis of Algorithms

S. Durga Bhavani, Associate Professor
Ph.D. (University of Hyderabad)
Area of Interest - Analysis of Algorithms, Fractal Geometry, Mathematical Modeling

T. Sobha Rani, Associate Professor
Ph.D. (University of Hyderabad)
Area of Interest - Bioinformatics, Machine Learning Techniques, Advanced Data Structures

V.Ch.Venkaiah, Associate Professor
Ph.D (I.I.Sc, Bangalore)
Area of Interest - Discrete Mathematics, Algorithms,
Cryptography

Salman Abdul Moiz, Associate Professor
Ph.D (Osmania University)
Area of Interest - Distributed Computing, Software
Engineering, Disaster Recovery

Vineet C. P. Nair, Associate Professor
Ph.D. (Griffith University, Australia) -
Area of Interest - Knowledge Representation and
Reasoning, Multi-Agent Systems, Logics in Artificial
Intelligence.

Wilson Naik, Assistant Professor
 M.Tech.(JNTU Hyderabad)
 Area of Interest - Network Forensics, Systems
Security, Networking

P. Anupama, Assistant Professor
Ph.D. (University of Hyderabad), M.S. (UMBC, USA)
Area of Interest - Networking, Operating Systems
and Graph Mathematical Morphology.

M. Nagamani, Assistant Professor
M.Tech. (JNTU, Hyderabad)
Area of Interest - Speech Processing, Information
Retrieval, Intelligent Tutoring System, Cognitive
Psychology, Embedded Systems

K. Swarupa Rani, Assistant Professor
Ph.D (CSE - Acharya Nagarjuna University),
Area of Interest - Data Mining, Time-Variant
Databases, Machine Learning

P S V S Sai Prasad, Assistant Professor
M.Tech. (Sri Satya Sai University, Prasanthi Nilayam)
Area of Interest - Data Mining, Rough Sets, Unix and
Network Programming

Y.V. Subba Rao, Assistant Professor
M.Tech. (ISI, Kolkata)
Area of Interest - Cryptography,Theory of
Computation, DBMS, Data Forensics

Rajendra Prasad Lal, Assistant Professor
M.Tech. (Computer Applications, IIT-Delhi)
Area of Interest - Graph Algorithms, Mathematical
Programming, Computational Geometry

N. Rukma Rekha, Assistant Professor
M.Tech. (Andhra University)
Area of Interest - Object Oriented Analysis and
Design, UML, Cryptography,
Pervasive Computing, Software Engineering

Anjeneya Swami Kare, Assistant Professor
 M.Tech. (IIT-Kanpur)
 Area of Interest - Graph Theory, Algorithms, Data
Structures, Theory of Computation

Dr. V.N. Sastry, Professor
Ph.D(IIT, Kharagpur)
Research Interest : Mobile Payments, OR, QOS based Network Routing Algorithms, Risk Modelling, Fuzzy Controlling.

Dr. V. Ravi, Professor
Ph.D(Osmania University and RWTH –Achen, Germany)
Research Interest : Fuzzy Systems, Neural Networks, Soft Computing Systems, Data Mining, Text Mining, Machine Learning, Evolutionary Computing.

Dr. B.M. Mehtre, Associate Professor
Ph.D(IIT, Kharagpur)
Research Interest : Information Security, Biometrics, Digital Forensics, Information Assurance & Management.

Dr.M.V.N.K.Prasad, Associate Professor
Ph.D(IIT BHU, Varanasi)
Research Interest : Biometrics, Payment System Technologies, Digital Watermarking.

Dr.V.Radha, Assistant Professor
Ph.D(University of Hyderabad)
Research Interest : Computer Applications, Multimedia, Databases and Internet.

Shri M.V.Sivakumaran, Assistant Professor
M.A, M.B.A, CISA.
Research Interest : Information System Control Audit, IT Governance, Banking Technology.

Dr. G.R.Gangadharan, Assistant Professor
Ph.D(University of Trento, Italy)
Research Interest : Internet Technologies, Cloud Computing, Service Oriented Computing, Free Open Source System, Enterprise Information System.

Dr. N.Raghu kisore, Assistant Professor
Ph.D(Auburn University)
Research Interest : Software Security, Analytics

Dr.Rajarshi Pal, Assistant Professor
Ph.D(IIT, Kharagpur)
Research Interest : Visual Authentication, Image Watermarking, Steganography, Video Summarization.

Dr. P. Syam Kumar, Assistant Professor
Ph.D(Pondicherry University)
Research Interest : Cloud Computing, Parallel and Distributed computing, Cryptography and Network Security.

Academic Programmes Offered(MCA)

Master of Computer Applications (MCA)

MCA programme, started in 1983, is the first ever such programme offered by a University in India. Today it is recognized as one of the very best in the country. MCA programme offering 60 seats invites applications from all over India. The course provides a broad-based education combining Computer Science courses with Mathematics and Management subjects. This makes the students capable of holding various positions in the industry such as System Analysts, System Designers and Programmers in any area of computer applications.

Overall development of the students is achieved through equal emphasis on training in theory and practice. The intense training of this course involves 5 semesters of course work with an appropriate blend of core courses and electives. In the 6th semester, students apply the knowledge gained during the course work to real-world Computer Science problems.

MCA Batch 2012 - 2015

MCA Course curriculums

Semester – I	Semester – II
■ Mathematical Foundations of Computer Science	■ Data and File Structures
■ Computer Organization and Architecture	■ Operating Systems
■ Accounting and Financial Management	■ Object Oriented Programming
■ Programming Methodology	■ Computer Based Optimization Techniques
■ Computer Based Numerical and Statistical Methods	■ Software Engineering
■ Software Lab -I (Intro to UNIX & C, H/W Installation)	■ Software Lab -ll (ALP, C++ and JAVA)

Semester – III	Semester – IV
■ Database Management Systems	■ Data Warehousing
■ Internet Technologies	■ Algorithms
■ Computer Networks	■ Computer Graphics and Visualization
■ Theory of Computation	■ Introduction to AI
■ DBMS Lab	■ Communication Skills (Lab)
■ Elective I	■ Elective II

Semester – V	Semester – VI
■ Management Information Systems	■ Each student completes a full time project at the end of which a dissertation is to be submitted.
■ Elective III	
■ Elective IV	
■ Elective V	
■ Elective VI	

MCA students details -

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SANDEEP KUMAR B.C.A. (Indira Gandhi National Open University) **Area of interests :** DBMS, OS, CN **Contact :** sandeepchetna@gmail.com	**RAVI KANT SHARMA** B.C.A.(Sikkim Manipal University) **Area of interests :** OOPS, DBMS, CN **Contact :** ravikantshrm158@gmail.com
KRISHNA KUMAR SINGH B.C.A. (Sikkim Manipal University) **Area of interests :** OOPS, DBMS, CN **Contact :** krishna6666@yahoo.com	**CHANDRA JEET YADAV** B.C.A.(Punjab Technical University) **Area of interests :** DS, DBMS, CN **Contact :** 12mcmc51@gmail.com
ANURAG KUMAR SINGH BSc-IT (Kuvempu University, Karnataka) **Area of interests :** UNP, OS, OOPS **Contact :** anurag@uohyd.ac.in	**DEEPMALA** B.C.A . (Indira Gandhi National Open University) **Area of interests :** OOPS, DBMS, CN **Contact :** deepmala123singhmca@gmail.com
AMARPAL SIGNH B.Sc. (Chaudary Charan Singh University, Meerut) **Area of interests :** OOPS, DS, DBMS **Contact :** amarpal.chauhan2206@gmail.com	**CHANDAN SINGH** B.C.A .(Indira Gandhi National Open University) **Area of interests :** DS, DBMS, CN **Contact :** 12mcmc55@gmail.com
RAVI KUMAR B.C.A. (Indira Gandhi National Open University) **Area of interests :** UNP, CN, DBMS **Contact :** 12mcmc56@gmail.com	**KONDANI PRAVEEN KUMAR** B.Sc.(MSC)(Acharya Nagarjuna University, Guntur-AP) **Area of interests :** OS, CN, DBMS **Contact :** praveenaprdc@gmail.com

Academic Programmes Offered(M.Tech- CS)

Master of Technology in Computer Science (M.Tech. CS)

The M.Tech (Computer Science) programme is designed to provide a strong foundation in the basic concepts of computer science balancing the demands of the rapidly changing needs of the current IT industry . Admission to the M.Tech (CS) programme is purely on the basis of performance in the Graduate Aptitude Test in Engineering (GATE).

The course structure reflects these two underlying themes

- The core courses, mandatory to all the students provide a solid foundation in the field.
- The electives, reflecting the state-of-the-art, allow different students to pursue their own areas of interest. The electives are carefully chosen to equip students with sufficient knowledge and to prepare them to take on challenges of the IT field. Several of the electives are geared towards meeting the needs of the industry while others offer something to those students wishing to pursue higher studies.

M.Tech. Computer Science Batch 2013-2015

Atchutuni Bhavana (atchutuni.bhavana@gmail.com) B. Tech Computer Science & Engineering (JNTU Hyderabad) **Project Detail -** Print and Scan Techniques (Colour Image Processing) **Area of interest-** Operating Systems, Algorithms, Data Structures, Colour Image Processing	**G Sudheer Kumar** (sudheer.govind89@gmail.com) B. Tech Computer Science & Engineering (JNTU Hyderabad) **Project Detail** - Unix Network Programming **Area of Interest**- Network Programming, Algorithms, Data Structure
Venkata Subramanyam K(subramanyam.kv@gmail.com) B. Tech Computer Science & Engineering(Acharya Nagarjuna university) **Project Detail** - Knowledge Discovery From Software Engineering Data **Area of interest**- Theory of Computation, Compiler Design, Database Management System, Design & Analysis of Algorithms, Data Structure	**Guduri Prathyusha** (guduriprathyusha@gmail.com) B. Tech Computer Science & Engineering (JNTU Hyderabad) **Project Detail** - Software Defined Networking **Area of interest**- Computer Networks, Data Warehousing, Data structures, Operating systems, Algorithms
Hitesh Ramani (hiteshramani@hotmail.com) B. Tech Computer Science & Engineering (MDU, Rohtak) **Project Detail** - Performance Evaluation Of PostgreSQL Using CUDA **Area of interest**- Networking, Security, Algorithms	**Narendra Kumar Jha** (narendrajha@outlook.com) B.E (CSVTU Bhilai) **Project Detail** - Hybridization Of Rough Sets And Fuzzy Sets For Classification **Area of interest**- Data Mining, Machine Learning, Operating System, Computer Network
Aditya Sharma (adityauohyd@gmail.com) B. Tech Computer Science & Engineering (Rajasthan technical university) **Project Detail** - Data Gathering In Wireless Sensor Networks **Area of interest**- Graph theory, Algorithms, Data Structures	**Chandana** (chandana.ccr@gmail.com) B. Tech Computer Science & Engineering (JNTU Hyderabad) **Project Detail** - Routing Table Using Distributive Hash Table. **Area of interest**- Data Structure, Operating System, Unix Network Programming, Algorithms, Computer Network
T Nagesh Reddy (nageshreddy18@gmail.com) B. Tech Computer Science & Engineering (JNTU Hyderabad) **Project Detail** - SCIS Automation **Area of interest**- Operating System, Database Management System, Networks	**Bhaireddy Sridhar Reddy** (sridhar.514sri@gmai .com) B. Tech Computer Science & Engineering (JNTU Hyderabad) **Project Detail** - SCIS Automation **Area of interest**- Networks, Algorithms, Data Structure
Abhishek Shukla (abhishek.shukla.93@gmail.com) B. Tech Computer Science & Engineering (GBTU) **Project Detail**-IBE in Cryptography **Area of interest**-Cryptography, Theoretical Computer Science, Operating System, Algorithms	**Sachin Choudhary** (sachinchoudhary161@gmail.com) B. Tech Computer Science & Engineering (Gautam Budh Technical University, Lucknow) **Project Detail**-Big Data Analysis **Area of interest**-Data structure, Operating System
Subrahmanya Swami Dhulipala (swamydhulipalla@gmail.com) B. Tech Computer Science & Engineering (Acharya Nagarjuna University) **Project Detail**-Energy Efficiency In Networks **Area of interest**-Computer Networks, Operating Systems, Algorithms, Data Structures	**Podapati Prabhakar** (prabhakarpodapati@gmail.com) B. Tech Computer Science & Engineering (Kakatiya University) **Project Detail**-Extraction of Knowledge using Parallel and Distributed Paradigms **Area of interest**-Operating System, Data Mining, Algorithms, Image Processing
Munjal Upadhyay (meetmunjal@gmail.com) B. Tech Computer Science & Engineering (Gujarat technological University) **Project Detail**-An intelligent multi-parameter health monitoring model in a body area network. **Area of interest**-Data Structure, Operating System, Theory of Computation, Compiler	**Himanshu Singh** (himanshu706991@gmail.com) B. Tech Computer Science & Engineering (university name) **Project Detail**-Analysis and modelling of resource management algorithms in cloud based systems. **Area of interest**-Computer Network, Data Structure, Operating System, Algorithms

Anku (ankumanderna@gmail.com) B. Tech Computer Science & Engineering(MDU, Rohtak) **Project Detail**-HSV and digital images **Area of Interest**-ML,CIP,UNP	**Seela Siva Kishore** (kishoresiva99@gmail.com) B. Tech Computer Science & Engineering(JNTU Ananthapur) **Project Detail**-Structured Sensor Deployment in WSN Zone Target Coverage with Minimum Interference **Area of Interest**- Database, Operating Systems, Wireless Sensor Networks
Salil Jain (saliljain2302@gmail.com) B.E Computer Science & Engineering (R.G.P.V, BHOPAL) **Project Detail**-Database replication for data recovery **Area of interest**-Data Structure, Database Management System Operating System, Algorithm	**Tejavath Suresh** (sureshteja7878@gmail.com) B. Tech Computer Science & Engineering (JNTU Hyderabad) **Project Detail**- **Area of interest**-Operating System, Computer Networks, Algorithms, Cryptography, Network Security
Yelloji Praveen Kumar (praveen.yelloji@gmail.com) B. Tech Computer Science & Engineering (JNTU Ananthapur) **Project Detail**-Secret Sharing **Area of interest**-Operating System, Algorithm, Data Structure, Network Programming	**G R Anil** (anilgrcse@gmail.com) B. Tech Computer Science & Engineering (JNTU Ananthapur) **Project Detail**-Face detection and recognition benchmark testing **Area of interest**-Image Processing, Algorithm, Operating System, Language Processor
Sayantan Mandal (sayantan2323@gmail.com) B. Tech Computer Science & Engineering (JNTU Hyderabad) **Project Detail**-Secret sharing scheme **Area of interest**-Cryptography, Operating System, Database Management System	**Praveen Kumar Singh** (praveenhelp78@gmail.com) B.E Computer Science & Engineering (RGTU, BHOPAL) **Project Detail**-Hybridization of Rough Sets and Fuzzy Sets for Feature Selection **Area of interest**-Data Mining, Data Structure, Computer Network, Operating System, Algorithms, Discrete Math
Navita (Contact-navitasingh9988@gmail.com) B. Tech Computer Science & Engineering(Punjab Technical University, Jalandhar) **Project Detail**-Block Vandermande Matrix Based Disjunction Hierarchical Secret Sharing Scheme **Area of interest**- OS, Cryptography	**Narottam Das Patel** (patel.nri1@gmail.com) B. Tech Computer Science & Engineering(Gautam Budh Technical University) **Project Detail**- Virtualization in Scientific Instrument in CIL lab **Area of Interest**- GC, Cryptography
Nanduri Naresh (naresh.nandoori@gmail.com) B. Tech Computer Science & Engineering(JNTU Hyderabad) **Project Detail**-A novel tree structured approach for mining frequent patterns **Area of Interest** -Image Processing, Colour Image Processing, Data Mining	**Surineni Sampath Kumar** (sampath.skt@gmail.com) B. Tech Computer Science & Engineering(JNTU Hyderabad) **Project Detail**-Secret Sharing **Area of Interest**-Image Processing, Cryptography
Aditya Singh(verma.asingh@gmail.com) B. E Computer Science & Engineering() **Project Detail**-Unix Network Programming **Area of Interest**-Operating Systems, Computer Networks, Database Management System, Unix Network Programming	**Mandalapu Hareesh** (mhareesh91@gmail.com) B. Tech Computer Science & Engineering(JNTU Ananthapur) **Project Detail**-Colour Water Marking **Area of Interest**-Operating Systems, Algorithms
Vivek Kumar (vivek.kumar888@gmail.com) B.Tech Computer Science & Engineering(BPUT, ODISHA) **Project Detail**-Precedence Mining Based Matrix Factorization **Area of Interest**-Data Mining, Machine learning, Database.	**Kandi Jagadeeswara Rao** (jagadeesh.kandi@gmail.com) B. Tech computer Science & Engineering(JNTUK vizianagaram) **Project Detail** -Neural Network Application in learning orthography to pronunciation mapping of English and Indian languages **Area of Interest** -Os, Algorithms,Computer Networks
Terli Venkatesh (terli.venkatesh@gmail.com) B. Tech Computer Science & Engineering(JNTU Kakinada) **Project Detail**-Face recognition(Image Processing) **Area of Interest**-Data structures, Algorithms, OS.	**M.Akhil** (akhil@uohyd.ac.in) B.Tech Computer Science & Engineering(JNTU Hyderabad) **Project Detail** -Component based Software design and Testing **Area of Interest**-Algorithms, Operating Systems, Software Engineering, DBMS
G.Ashwitha (gatadiashwitha@gmail.com) B. Tech Computer Science & Engineering(JNTU Hyderabad) **Project Detail**-cover scheduling in directional sensor network **Area of Interest**-Data structures, Algorithms, Operating Systems.	**Ashok Naval** B. Tech Computer Science & Engineering(NIT jaipur) **Project Detail**- Meta Heuristic approach for minimum spanner tree problem **Area of Interest**- OS, Data Structure and Algorithm, UNP

Master of Technology in Artificial Intelligence (M.Tech. AI)

M. Tech Programme in Artificial Intelligence at UoH is one of its kind in the country . This programme is meant for students already well equipped in Computer Sciences discipline and Post Graduates in related sciences.

This course equips students with the skills and knowledge to stay at the forefront of this rapidly developing area of Artificial Intelligence. It is designed to give students the latest knowledge and computational skills in the areas of Machine Learning and Intelligent Discovery methods.

This programme also provides the opportunity to learn more about the application of AI techniques to commercial and industrial problems, especially in areas in which our school has research expertise such as Machine Learning, Pattern Recognition, and Knowledge Representation.

M.Tech. Artificial Intelligence Batch 2013-2015

M.Tech - AI Students Detail

P Seshendra Babu (seshu.pinnu@gmail.com) B.Tech(Sri Venkateswara University,Tirupati) **Project** :Machine Translation(Telugu to Kannada) **Area of Interests** : Natural Language Processing, Algorithms	**Patibandla Chanakya** (nadhemail@gmail.com) B.Tech **Project :** Public key cryptosystem Based on Composite degree Residuosity Classes. **Area of Interests :** Mathematics (Number theory and Proof Theory)
Piyush Jain (piyush24jain@gmail.com) B.E. Computer Science & Engineering (RGPV,Bhopal,M.P) **Project Detail** - Probabilistic Matrix Factorization **Area of Interest-** Algorithm, Graph and Combinatorial Mathematics, Probability, Computational Intelligence Contact	**Md Salimuddin Ansari** (- salimkabeer@gmail.com) MCA (BPUT, Bhubaneswar, Orissa) **Project Detail** - Predicting the probability of a new question asked on Stack Overflow getting closed. **Area of Interest-** Mathematics, Algorithm, and recommender systems.
Sidda VidyaSagar Reddy (sagar.13.ai.11@gmail.com) B.Tech -CS (CVR College of Engineering) **Project Detail** - Text categorisation **Area of Interest-** Neural Network, Machine Learning Algorithms	**Pooja Shrivastava** (poojashrivastava51@gmail.com) B.E. Computer Science & Engineering (RGPV, Bhopal, M.P) **Project Detail** – Near Duplicate video detection **Area of Interest**-Theoretical Machine Learning
Shekhar Suman Tiwari (shekhartiwari548@gmail.com) B.E. CS (RGPV,Bhopal,M.P) **Project Detail** - Frequent Itemset Mining vs Logical Itemset Mining **Area of Interest** -Machine Learning, Algorithms,Mathematics	**Renjith P Ravindran** (renjithforever@gmail.com) B.Tech Computer Science & Engineering (CUSAT) **Project Detail** - Knowledge Discovery and Reasoning **Area of Interest** – Natural Language Processing , Machine Learning, Programming Languages
Mahesh Prasad Mahalik (mpm0701291234@yahoo.com) B.Tech IT (BPUT, Bhubaneswar , Orissa) **Project Detail** - Learning algorithm and soft sensor model using wireless sensor network. **Area of Interest**- Algorithm, Wireless Sensor Network, Data structure, Machine Learning	**Hima Mehta** (hima1712.it@gmail.com,hima.mehta@inria.fr) Msc Computer Application and IT (KSSBM Gujarat University) **Project Detail** - Implementation and analysis of large neuronal models for action selection in Basal Ganglia. **Area of Interest**- R & D in Machine Learning, High Performance Computing , Neuroscience , Algorithms
Yogendra Kumar (yogendrak348@gmail.com) B.Tech Information Technology (UPTU,Lucknow, UP) **Project Detail** - Machine Learning Approach to pattern detection and prediction in WSN based Environmental Monitoring. **Area of Interest**- Wireless Sensor Network, Data structure, Machine Learning	**Rama Pavan Punyaraj Tompala** (cool.rampavan@gmail.com) B.Tech Information Technology (GMRIT,JNTUK-KAKINADA) **Project Detail** - Extension of Logical Shaplets **Area of Interest**- Machine Learning , Algorithm, Data structures
Surender Mohan Raghav (sm.raghavji@gmail.com) MCA Computer Application (Punjab Technical University, Jalandhar , Punjab) **Project Detail** - Genetic Algorithm and Energy Optimization **Area of Interest**- Genetic algorithm, MachineLearning, JAVA.	**Anil Kumar** (anil.b1988@yahoo.in) MCA Computer Science (GGSIP University , Delhi) **Project Detail** –Neural Network Application in Learning orthography to pronunciation mapping of English and Indian Languages (Hindi). **Area of Interest**-Algorithm, MachineLearning, Neural Network.
Vundi Sai Krishna (saikrishna_vundi@yahoo.in) B.Tech Computer Science (SPHN, JNTU - HYD) **Project Detail** – Comparative study of routing protocols in MANET using NS-3 Simulator. **Area of Interest**-Machine Learning, Artificial Neural Networks	**Zaid Alhuda** (eng.zaidalhuda@gmail.com) B.Tech Computer Engineering (Alppouniversity,Syria) **Project Detail** - Colour Zooming **Area of Interest** - Image Processing, Color Image Processing Machine Learning, Pattern, Computational Intelligence.
Ishan Suryavanshi (ishan.suryavanshi@yahoo.com) B.E. Computer Science & Engineering (RGPV,Bhopal) **Project Detail** -Matrix Factorisation for Collaborative filtering. **Area of Interest**- Machine Learning, Pattern Recognition, Data Mining.	**Buduru Jagadeesha** (jagdishbudur@gmail.com) B.Tech Information Technology (JNTU Jagtial) **Project Detail** -Data Fusion by Matrix Factorization **Area of Interest-** Crypto,Maths,Networks,Machine Learning

Master of Technology in Information Technology (M.Tech. IT)

The University in collaboration with the Institute for Development and Research in Banking Technology (IDRBT, an institution established by RBI) offers a unique M. Tech in Information Technology Programme (with specialization in Banking Technology and Information Security). The multi-disciplinary programme merges the emerging Technologies in the area of Information Technology with domain expertise of Banking and Financial Services.

The curriculum consists of a perfect mix of Computer Science, Banking Technology and Information Security courses essential for Banking Technology. The programme was referred to by Dr. Y .V .Reddy (former Governor, RBI), as the first-of-its-kind in India.

M.Tech. Information Technology Batch 2013-2015

Y Venkata Varalakshmi (varalakshmi076@gmail.com) B.Tech – IT (Sri Krishnadevaraya University, Ananthapur) **Area Of Interest**:Computer Networks, Data Mining, Cryptography **Project :**A provably secure transaction protocol for implementing digital currency system.	**Dipanjan Roy** (dipanjanroy13@gmail.com) B.Tech – IT (West Bengal University of Technology, Kolkata) **Area Of Interest** : Image Processing, Machine Learning, Data Mining **Project** : Enhancing the salient feature of target object
Aditya Ranjan Malviya (adityait3008@gmail.com) B.Tech – IT (Gautam Buddh Technical university, Lucknow) **Area Of Interest** : Programming (C, Java), Algorithms , Computer Networks, Cryptography **Project** : Application Security using Cryptography in Payment System Application	**Jaipal Reddy Anugu** (jaipalreddy51@gmail.com) MCA (Kakatiya University, Warangal) **Area Of Interest** : Data Structures, Computer Networks, Database Management Systems **Project** : Cancelable Biometrics
D Shravya (shravya.dayal@gmail.com) B. Tech – CSE (JNTU, Hyderabad) **Area Of Interest** : Cryptography, Data Mining, Computer Networks **Project** : Multi secret sharing for images	**Vulugundam Hema Madhuri** (vhemamadhuri@gmail.com) B.Tech – CSIT(JNTU, Hyderabad.) **Area Of Interest** : Data Mining, Information Security **Project :** classification of drug target interactions using biclustering
Prabhat Dansena (p.dansena23@gmail.com) B.E – CSE (Chattisgarh Swami Vivekananda Technical University, Bhilai) **Area Of Interest :** Data Mining, Soft Computing, Banking Technology, Data Structures **Project** : Automatic Identification of Tampered Cheques in Cheque Truncation System.	**Ram Prakash Sharma** (er.ramsharma28@gmail.com) B.Tech – CSE (Rajasthan Technical University, Kota) **Area Of Interest** : Banking Technology, DataMining, Data structures and Algorithms **Project** : single digit sum based image steganography using visual saliency
L Siva Reddy (sivareddy09503@gmail.com) B.Tech – CSE (JNTU, Ananthapur) **Area Of Interest** : Data Structures, DBMS, Computer Networks **Project** : Authentication using Visual Cryptography	**Deepak S** (deepaks@outlook.in) B. Tech – CS (Mahatma Gandhi University, Kerala) **Area Of Interest** : Networking, Data Structures, Data Mining **Project :** Implementing Cache Plan & Table Plan in PostgreSQL
Kshitij Tayal (kshitijtayal@gmail.com) B.Tech – CS (Gautam Buddh Technical university, Lucknow) **Area Of Interest** : Data Mining, Computer Networks, Operating Systems **Project :**Evolutionary Computing based Class Association rule mining: Application to banking	**Prasun chandra tripathi** (chandraprasun4u@gmail.com) B.Tech – CS (Gautam Buddh Technical university, Lucknow) **Area Of Interest** : Image Processing, Computer network and Information security, Theory of computation. **Project** : retargeting of image for small devices
Neelam Sai Ram (ram6.sairam@gmail.com) B.E – IT (Osmania University, Hyderabad) **Area Of Interest** : Programming, DBA, Data Mining **Project** : Authentication protocols for mobile banking	**Shivaprasad Thunga** (thungashiva@yahoo.com) B.Tech – IT (JNTU, Hyderabad) **Area Of Interest** : Data Mining, Java Programming **Project** : Hidden Markov Models for Computer Virus Classification

Jai Narayan Goel (jainarayangoel@gmail.com) B.Tech – IT (Gautam Buddh Technical university, Lucknow) **Project Detail** : Technologies of Cyber Defence **Area Of Interest** : System & Information Security, Data Mining, Computer Network, Operating System.	**Banoth Naresh** (banothnaresh92@gmail.com) B.Tech – CSE (JNTU, Hyderabad) **Project Detail** : Cyber forensics for predicting internal/external security threats **Area Of Interest** : Computer Networks, Database Management System, Operating System Cryptography.
Rahul Kuntala (rahulkuntala9@gmail.com) B.Tech – CSE (JNTU, Hyderabad) **Project Detail** : VM placement and live migration in cloud **Area Of Interest** : Cloud Computing, Operating Systems, Computer Networks , DBMS	**Rohit Sah Manki** (13mcmb20@gmail.com) B.Tech – IT (Biju Patnaik University of Technology, Rourkela) **Project Detail** : Indexing of Biometrics **Area Of Interest** : Biometrics, Data Mining
Anvesh Kumar Somesula (anvesh1891@gmail.com) B.Tech – CSE (Acharya Nagarjuna University, Guntur) **Project Detail** : Mobile cloud computing **Area Of Interest** : Networking, cloud computing, software defined networking, data mining	**Srikanth Veeravalli** (kv33.srikanth@gmail.com) B.Tech – IT (Andhra University, Visakhapatnam) **Project Detail** : Empirical analysis of effectiveness of software diversity based software security protection techniques. **Area Of Interest** : Algorithms and Data Structures, Cloud Computing, Data Mining
Banitha Mahapatra (banitamhptr87@gmail.com) MCA (Biju Patnaik University of Technology, Rourkela) **Project Detail** : Secret sharing themes for images based on linear codes **Area Of Interest** : Database, Networking	**Kanapaka Raja Rathnam Naidu** (kraja548@gmail.com) B.Tech – CSE (JNTU, Hyderabad) **Project Detail** : ATM relocation using game theory **Area Of Interest** : computer networks, data mining
Shailendra Sahu (shailendrasahu668@gmail.com) BE – CS (Rajiv Gandhi Proudyogiki Viswavidyalaya, Bhopal) **Project Detail** : faster analysis of large data in digital forensic **Area Of Interest** : Big Data Analysis, Cyber forensics, Data Mining	**Manish Yadav** (manish.7273@gmail.com) B.Tech – CSE (Dr. M.G.R University, Chennai) **Project Detail** : Data imputation by soft computing **Area Of Interest** : Data mining, Cloud Computing, Software Engineering, Data Structures
Sandeep Kumar (sandeep.0858@uohyd.ac.in) B.Tech – CSE (Aryabhatta Knowledge University, Bihar) **Project Detail** : infinet network security **Area Of Interest** : Computer Networks, Operating system, Quantitative technique in finance	**Gaurav Saini** (gauravmcmb@gmail.com) B.Tech – CSE (Guru Gobind Singh Indraprastha University, Delhi) **Project Detail** : Novel Algorithm for Outlier Detection **Area Of Interest** : Data Mining, Software Development, System Security, Data Security
Mohsen hallaj sagar (mohsenhallaj62@gmail.com) Software Engineering (CS) **Project Detail** : internet of things **Area of Interest** : Networking, wireless security	

M.Tech Course Curriculum

M.Tech CS -   The subjects and the courses are constantly under review, and companies and institutions are encouraged to give feedback to make our programmes more compatible with the needs of the Indian society . The grooming of students starts from day one, through highly interactive environment involving classroom discussions, seminars, lab assignments, mini projects.

M.Tech AI - The course structure provides the wide spectrum of electives, reflecting the state-of-the-art, allow different students to pursue their own areas of interest. Admission to the M. Tech. (AI) programme will be purely on the basis of performance in the Graduate Aptitude Test in Engineering (GATE).

M.Tech IT - The curriculum consists of a perfect mix of Computer Science, Banking Technology and Information Security courses essential for Banking Technology . Admission to the M. Tech (IT) programme is purely on the basis of performance in the Graduate Aptitude Test in Engineering (GATE).

Semester wise syllabus

Semester – I	Semester – II
▪ Computer Architecture (**CS**)	▪ Software Engineering (**CS**)
▪ Operating Systems (**CS**)	▪ Software Engineering Lab (**CS, IT**)
▪ Algorithms (**CS, AI**)	▪ Human Computer Interaction (**AI**)
▪ Research Methods in Computer Science (**CS, AI**)	▪ Machine Learning (**AI**)
▪ Communication Skills Lab (**CS, AI**)	▪ Computational Intelligence (**AI**)
▪ Problem Solving Methods (**AI**)	▪ AI Programming and Tools (**AI**)
▪ Knowledge Representation and Reasoning (**AI**)	▪ Systems Security (**IT**)
▪ Banking Technology (**IT**)	▪ E-Commerce and Payment Systems (**IT**)
▪ Cryptography (**IT**)	▪ Communication Skills (Lab) (**IT**)
▪ Computer Networks and Distributed Computing (**IT**)	▪ Lab II (Network Programming and Web Services) (**IT**)
▪ Database Management Systems (**IT**)	▪ Elective I and II (**IT**)
▪ Quantitative Techniques in Finance (**IT**)	▪ Elective III and IV (**CS, AI**)
▪ Lab I (Java and Scripting Languages) (**IT**)	▪ Elective V and VI(**CS**)
• Elective I and II (**CS, AI**)	

Semester – III and IV
▪ Each student completes a full time project at the end of which a dissertation is to be submitted.

Electives and Abbreviation

Electives -

Speech Synthesis	Data Warehousing and Data Mining
Text Processing	Advanced Computer Networks
Natural Language Processing	Unix Network Programming
Human Computer Interaction	Wireless Sensor Networks
Advanced Algorithms	Computer Networks and Distributed System
Advanced Data Structure	Image Processing
Graph Theory	Color Image Processing
Data Mining	Secure Computing
Data Warehousing	Cryptography
Pattern Recognition	Language Processor
Machine Learning	Grid Computing
Neural Networks	Parallel Computing
Banking Technology	Coding Theory
Quantitative Technique in Finance	Data Compression
Soft Computing in Finance	

Abbreviation -

BT	BANKING TECHNOLOGY
CN	COMPUTER NETWORK
OS	OPERATING SYSTEM
DS	DATA STRUCTURE
QTF	QUANTITATIVE TECHNIQUE IN FINANCE
SCF	SOFT COMPUTING IN FINANCE
CIP	COLOR IMAGE PROCESSING
DM	DATA MINING
DBMS	DATABASE MANAGEMENT SYSTEM
SE	SOFTWARE ENGINEERING
ALGO	ALGORITHMS
CRYPTO	CRYPTOGRAPHY

Seminars and Workshops

Following are the Seminars, Workshops and Talks conducted by SCIS in 2013 - 2014

S.No	Seminars / Workshops	Speaker	Date
1	Summer programme on Cyber Security & Computer Forensic	Faculties of SCIS and Professionals from Industry	3rd – 15th June, 2013
2	Application of Data Flow Architecture in Database Query	Dr. Haresh Boinepelli, Engineering Manager, Teradata	6th September, 2013
3	OS internals	Mr. Ram Kumar, Cavium Networks	11th September, 2013
4	Where do hard instance of hard problems lie?	Prof. A.K. Pujari, Dean, SCIS, UoH	13th September, 2013
5	C Programming	Prof. Chakravarthy Bhagwati, Professor SCIS, UoH	14th September, 2013
6	A Tale of Two Ruling Sets	Mr. Kishore Kothapalli, Associate Professor, IIIT - H	20th September, 2013
7	Introduction to Map Reduce	Mr. U. Vijayasaradhi, MapR Technologies	27th, September, 2013
8	Workshop on Formal Methods in CRYPTOGRAPHY	Faculties of SCIS professionals from TCS, guest Professors	6th – 8th November, 2013
9	Modeling Hospital Interactions: A social Networks Approach	Prof. Sriram Pemmaraju, University Of Iowa	2nt January, 2014
10	High Performance Graph Analysis	Kamesh Madhuri, Assistant Professor, The Pennsylvania State University	6th January, 2014
11	Mobile and Cloud Computing: Research Challenges	Prof. Satish Srirama, University Of Tartu, Estonia	22th January,2014
12	First Foundation day Event of SCIS	SCIS, University Of Hyderabad	22nd & 25th January, 2014
13	Knowledge Network Of the world: Present & Future	Prof. S.V. Raghvan, Scientific Secretary, Govt. Of India and Professor , IIT Madras	23rd January, 2014
14	Technical Fest	SCIS, University Of Hyderabad	25th January, 2014
15	Foundation of Software Defined Networking	Prasad Gorja, Principal Staff System and Architecture Engineer, freescale	31st January, 2014
16	Computer ethics pedagogy: Preparing future professionals for ethical complexities of a globally connected world	Prof. Elizabeth Buchanan, University of Wisconsin-scout	13th February, 2014
17	Google Summer Code Event	P. Harsha from National Resources for Network Biology	27th February, 2014

Seminars and Workshops cont..

Following are the Seminars, Workshops and Talks conducted by SCIS in 2013 - 2014

S.No	Seminars / Workshops	Speaker	Date
18	Data Analysis : Issues due to high dimensions	Dr. Balasubramaniam Jayaram, Asst. Professor, IITH	28th February, 2014
19	Market Oriented Cloud Computing and big data Applications	Prof. Rajkumar Buyya, Future Fellow, Australian Research Council(ARC)	8th April, 2014

JPMC Technology Day, 27th – 28th September, 2013

S.No	Seminars / Workshops	Speaker
1	Data Management and Analysis	Mr. Vamsi Kora, JPMC
2	Ethics is Computing with Issues	Prof. Atul Negi, SCIS, UoH
3	Demystify Cloud	Mr. Sitaram Peri, JPMC
4	Optical Character Recognition for Document Analysis	Prof. Chakravarthy Bhagwati, SCIS, UoH
5	Research Trends in Data Warehousing	Prof. A.K. Pujari, SCIS, UoH
6	Dos and DDoS (Security)	Mr. Ajay Kalham, JPMC
7	Design Workshop	Mr. Krishna Kotinadham, JPMC

Hitachi Consulting Software Services Technology Day, 9th October, 2013

S.No	Seminars / Workshops	Speaker
1	Agile Project Management with Scrum	Ms. Pramila Thomas
2	Enterprise Big Data	Ms. Sunitha Yadav
3	Customer Experience in the Digital Age	Mr. Dinesh Chandrashekhar
4	Coding Contest	Mr. Rathna Praveen

Placement Cell Contact

Placement Guidance and Advisory Bureau

To assist organizations in recruiting students for final placements, the university has instituted a bureau. The Placement Officer and a Placement Advisory Committee comprising of faculty , administrative staff and student coordinators manage this bureau.

Placement Requirements

Organizations should inform the Placement Bureau of their placement requirements at the earliest by filling in and mailing/ faxing the form provided in the brochure. Organizations are urged to fill in the detailed and accurate information since this provides the basis for student application. On receipt of the placement enquiry , the Placement officer shall indicate the likely date/s for the Campus Recruitment.

Curriculum Vitae of Applicants

The placement Bureau arranges for the collection and dispatch of applicant's curriculum vitae to the organization and arranges suitable dates for written exams, interviews/screen tests on a first come first serve basis.

Procedural Requirements

The organization would have to send the details of the requirement process in advance so that the same could be utilized for making arrangements and also for administrative purposes.

Placement Officers

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Contact: 9440679869

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Srikanth Veeravalli Student Coordinator, M.Tech IT Email : kv33.srikanth@gmail.com Contact : 900004372	**Shekhar Tiwari** Student Coordinator, M.Tech AI Email : shekhartiwari548@gmail.com Contact : 8332826739

AINS	Amazon	Andhra Bank
AVEVA	Canara Bank	Cavium Networks
Commvault	Corporation bank	DST
Free Scale	Hitachi Consultancy	Honeywell
HSBC	ICICI Infotech	Intergraph
JPMorgan Chase & Co.	Microsoft	NPCI
One Convergence	Oracle	Punjab National Bank
Qualcomm	Reserve Bank of India	RGUKT
TCS	Technosoft	Teradata
Union Bank of India	Works Applications	Zen Technology

School of Computer and Information Sciences

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