SCHOOL OF COMPUTER AND INFORMATION SCIENCES

हैदराबाद विश्वविद्यालय
University of Hyderabad

About the School

- Acknowledged as one of top Computer Science Schools in India

- One among first to start MCA programme (1983)

- First to introduce a Full-fledged M.Tech programme in Artificial Intelligence in 1986

- First to offer M.Tech (IT) with specialization in Banking Technology and Information Security jointly with IDRBT (Institute under RBI), in 2001

- Unmatched research profile within university system of the country

- Fellowships of professional societies like IEEE, IETE, APAS, TAS etc

- Attracts Research and consultancy funding (about Rs. 2.0 crores annually)

- Resource Centre for Indian Language: Telugu, funded by Ministry of CIT

- School among the most-productive organizations involved in Artificial Intelligence Research in India. It has been ranked 7th among 160 organizations, as most-productive organization involved in Artificial Intelligence research

- Awards and Honours: Fellowships from DAAD, UNESCO, BOYSCAST, Indo-Israel, United Nations University etc & Invitations from MIT, CMU (USA); Univ of Bonn (Germany); Griffith University, University of Melbourne (Australia); KISTI (South Korea); Université de Bretagne Sud, Université d'Angers (France) etc.

Research Activities

- Image Processing, Pattern Recognition, Computer Vision

- Neural Networks, Cognitive Modeling

- Parallel & Distributed Computing, Grid and Cloud Computing

- Mobile Computing

- Artificial Intelligence, Expert Systems

- Network Security

- S/W Engineering and Testing

- Speech Processing, Language Technology

- Data Mining

- Soft Computing, Rough Computing

- Metaheuristics

- Bioinformatics

- Wireless Sensor Networks

Publications

Year	Publications	Citations
2018	11	170
2017	46	659
2016	48	638
2015	51	584
2014	68	510
2013	58	484
Total (2013-18)	282	3045

h-index of papers published during 2013-18: 13

Overall h-index: 28
Total Documents: 794
Total Citations: 4551

List of Prominent Journals

- Software Practices and Experiences
- Expert System and Applications
- Applied Soft Computing
- Future Generation Computer Systems
- Journal of Pattern Recognition
- Pattern Recognition Letters
- Journal of Neural Networks
- Journal of Electronic Imaging
- International Journal of Pattern Recognition and Artificial Intelligence
- Journal of Applied Intelligence
- Journal of Information Sciences
- Journal of Operation Research
- International Journal of Meta-heuristics
- Journal of Soft Computing
- Ad-Hoc Networks
- Swarm and Evolutionary Computation
- Journal of NeuroImage
- Biosystems
- Neurocomputing
- Biological Cybernetics
- International Journal of Network Security
- Pattern Analysis and Applications
- International Journal of Communication Systems
- International Journal of Approximate Reasoning
- IEEE Sensors Journal

Current Sponsored Projects

Programmes Offered

- **Master Of Computer Applications**
  Annual Intake: 60, Started in 1983
  Six semester duration (Last semester Project Work)

- **Master Of Technology (Computer Science)**
  Annual Intake: 45. Started in 1984
  Four semester duration (Last two semesters Dissertation Work)

- **Master Of Technology (Artificial Intelligence)**
  Annual Intake: 30. Started in 1986
  Four semester duration (Last two semesters Dissertation Work)

- **Master Of Technology (Information Technology with Specialization in**
  Banking Technology and Information Security)
  Annual Intake: 30, Started in 2001
  Four Semester duration (Last two semesters Dissertation Work)

- **Integrated Master of Technology (Computer Science)**
  Annual Intake: 20, Started in 2014
  Ten Semester duration (Last two semesters Dissertation Work)

- **PhD (Computer Science)**
  Annual Intake: 15,

Core Facilities

- *5 x M40 GPU (NVIDIA) Systems*
- *Video Conferencing Equipment*
- *Video Spectral Comparator*
- *Spectrophotometer*
- *Cloud Computing Infrastructure*
- *Cryptology Cluster*
- *Hadoop/Aneka Cluster*
- *8 x High end workstations*
- *Wireless/Sensor Simulator Server and Storage Server*
- *4 High end Servers 350 desktops with networked printers*
- *100KW Solar Power*

Video Spectral Comparator

GPU work stations

VCF Commiittee Room

Desktop Systems

O.S Virtualisation Server

Outreach Activities

- Organized a Workshop on "Topics in Linear Algebra & Machine Learning", 12-13 October, 2017.

- Organized jointly with Invesco Ltd. (NYSE: IVZ) a "24-Hour Hackathon", 28-30 October, 2017.

- The School of Computer and Information Sciences (SCIS), University of Hyderabad (UoH) has entered into a Memorandum of Understanding (MoU) with M/s Zen Technologies Limited (ZEN) to work in collaboration to bring in Academy and Industry Collaboration, 7 July, 2017.

- Students of M.Tech. & MCA from School of Computer and Information Sciences participated and won the Cash award In the Grand Finale of "Smart India Hackathon 2017" (a National event), 1-2 April, 2017.

- The MCA students, School of Computer & Information Sciences, stood among top positions at VERSION'17, which is a National Level Technical Symposium for MCA students, organized by the Department of Computer Applications, National Institute of Technology (NIT), Tiruchirappalli, 19-21 August, 2017

- The team of MCA students, achieved the Overall Winners position in the Login'17, a national level technical symposium organized by Computer Applications Association and Computational Sciences Association of PSG College of Technology, Coimbatore, 23-24 September, 2017.

- Students of M.Tech., School of Computer and Information Sciences, have stood second in the 24-hour Intercollegiate Hackathon 2017, IIIT Sri City, Chittoor, AP, 7-8 October, 2017.

- Conducted a GIAN Course (MHRD); "Design of Algorithms for Big Data Analytics", August 1-12, 2016.

- The team of MCA students from School of Computer & Information Sciences participated in VERSION'17, organized by the Department of Computer Applications, National Institute of Technology, Tiruchirappalli, held during August 19th -20th , 2017. Overall MCA team of University of Hyderabad stood among top positions The team won first position in three events and second position in four events.

- Login'17 is a national level technical symposium organized by Computer Applications Association and Computational Sciences Association of PSG College of Technology, Coimbatore, held during September 23rd-24th, 2017. The SCIS team achieved the Overall Winners position as they won first position in seven events and second position in one event.

- MoU signed between University of Hyderabad (UoH) and Zen Technologies Ltd (ZTL). Standing (L to R): Prof. Arun Agarwal, Dean; Mr. P Sardar Singh, Registrar; Mr. A. Kishore Dutt, President, ZTL; Prof. Appa Rao Podile, Vice Chancellor; Prof. C R Rao; Mr. Ashish Jacob Thomas, PRO.
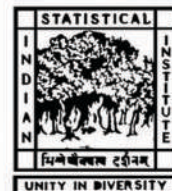
Industry / Academia Linkages

PAST

- University of California, San Diego
- National University of Singapore
- Sierra Atlantic
- IBM, (ISTL)
- CMC
- Altair Engineering, India
- Waseda University, Japan

PRESENT

- C R Rao, AIMSCS
- IDRBT, Hyderabad
- IIIT, Hyderabad
- ISI, Calcutta
- Mahasarakham University, Thailand
- Université d'Angers, France.
- Zen Tech Ltd

Partners from Industry / Academia

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