Highlights of School Activities for academic year 2016-2018

1. Honors
   a. Prof. Arun Agarwal, Dean School of Computer and Information Sciences, was felicitated by Indian Society for Rough Sets and in association with Manjrasoft and C V R College of Engineering, in recognition of Academic Excellence and promotion of Rough Set Activities, on occasion of Rough Set Day Celebrations during 1st International Conference on Rough Sets and Soft Computing in Big Data Realm (ICRSBR-2017), November 11, 2017, Hyderabad.
   b. Professor Hrushikesha Mohanty, senior faculty, School of Computer and Information Sciences, has joined as Vice-Chancellor of Kalinga Institute of Industrial Technology (KIIT), a University in Bhubaneswar, Odisha for a period of five years, wef . 30.08.2017.

2. New faculty members:
   a. Associate Professor
      i. Digambar Povar, Ph.D. (BITS, Pilani), M.Tech. (NIT, Warangal), B.Tech. (Andhra University) – Digital Forensics, Cloud Computing, Cyber Security Assistant
   b. Assistant Professors
      i. Nekuri Naveen, PhD (University of Hyderabad), MTech (SE), B.Tech (CSIT),– Data Mining, Neural Networks, Optimization
      ii. Md. Abdul Saifulla, PhD (Anna University), MS (IITM),– Computer Networks, Algorithms
      iii. Avatharam Ganivada, PhD (Calcutta Univ), MTech(Andhra University), MSc(Andhra University), – Machine Learning, Softcomputing

3. MoU: 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. Shri P. Sardar Singh, Registrar has signed on behalf on UoH and Shri Kishore Dutt, President, ZEN Technologies in the presence Prof. Appa Rao Podile, Vice-Chancellor and Prof. Arun Agarwal, Dean, SCIS, UoH on July 7, 2017 at the University Campus. Zen Technologies Ltd has instituted
   a. **Research Fellowship:** The period of ZEN fellowship is for 5 years. Currently, the amount of fellowship is Rs. 20,000/- per month, Rs.22,500/- per month, Rs.25,000/- per month, Rs 27,500/- per month, and Rs 30,000/- per month during the first, second, third, fourth and fifth year respectively. The maximum number of fellowships in a year offered by ZEN shall be 03. Fellowship amount can be revised after mutual discussion.
   b. **M.Tech. Dissertation Internship:** Every year, maximum of 10 students can carry out their dissertation internship in the mutually agreed area under the joint guidance of a supervisors from SCIS and ZEN at ZEN. Zen will provide fellowship of Rs 14,000/- per month to each student, provided the duration of the dissertation should not be less than 1 year. Existing guidelines and regulations

approved by Academic Council of the UoH for evaluation of the dissertation, appointment of examiners, etc. will be followed.

4. Funded Research Project (On Going):
    a. Prof. K N Murthy, Principal Investigator and Consortium Leader, "A New Framework for Analysis, Generation and Translation in Indian Languages (Kannada and Telugu)" Consortium Mode Project funded by DeitY, Govt. Of India - Rs. 97.74 Lakhs
    b. Dr.V. Ch. Venkaiah, Project titled "Dimensionality Reduction for Large Data Sets: Study and MATLAB Implementation of Quilt PCA" at a Total Cost of Rs. 9, 66, 000, sponsored by ANURAG, DRDO has been sanctioned on 4th January 2017 and is being carried out at the SCIS. This project is for a period of One Year.

5. Visiting Professor Appointment
    a. Prof. Satish Narayana Srirama, Head of Mobile & Cloud Lab, Institute of Computer Science, University of Tartu, Estonia. (For 2 year period, effective January 2018).

6. Visiting Professor
    a. Dr.Rajkumar Buyya, Professor, Director of the Cloud Computing and Distributed Systems (Clouds) Laboratory, Melbourne School of Engineering, Computing and Information Sciences, University of Melbourne, Australia. During visited during April/May 2017 for a week.

7. Editorship of International Journals
    a. Alok Singh
        i. Associate Editor, Swarm and Evolutionary Computation, Elsevier
        ii. Member, Editorial Board, Applied Soft Computing, Elsevier

8. Membership in National Level Committees:
    a. Prof. K N Murthy
        i. Member, Working Group on Technology Development in Indian Languages (TDIL) Programme, Ministry of Communications and Information Technology, Government of India
        ii. Member, National Advisory Committee (Technology), Bharatavani Project, Ministry of HRD, Govt. of India
    b. Prof. Arun Agarwal
        i. Co-Chairman, Peer Review Committee, "Deep Learning Applications in Defence", RCI, DRDO

9. Proceedings Editor
    a. Atul Negi, Co-Editor:Proceedings: Vol. 709, CCIS Series, Springer: Recent trends in image processing and pattern recognition : first International Conference, RTIP2R 2016, Bidar, India, December 16-17, 2016, Revised selected

papers other Co_editors: K C Santosh; Mallikarjun Hangarge; Vitoantonio Bevilacqua; Publisher: Singapore : Springer,

10. Visits Abroad
    a. Dr Atul Negi, visiting Sydney to attend IEEE Section Congress meeting, August 4-14, 2017

11. Outreach
    a. Atul Negi: Vice Chair Educational Activities IEEE India Council.2017

12. School sanctioned 216 Lakhs under DST PURSE –II grants and 70 Lakhs under XII Plan for equipment grant: Many equipments purchased and installed, new labs established:
    a. 5 M40 GPU Systems
    b. 2 Medium Clusters with 8 workstations
    c. Video Spectral Comparator
    d. Wireless equipment
    e. Virtualization lab
    f. Video Conferencing equipment
    g. 100 KW PV Solar System

13. School sanctioned total funds of Rs 5.0 crores for building extension (which includes quality furniture for the extension to the building's built up area). Plans and estimates received. Construction to start soon.

14. Seminars/Workshops conducted
    a. Prof. Ashish Ghosh, Professor and former Head of Machine Intelligence Unit and In-charge of Center for Soft Computing Research, Indian Statistical Institute, Kolkata, "Neural and Deep Learning", 24.04.2018
    b. Prof. P. Nagabhushan, Director, Indian Institute of Information Technology, Allahabad, "Lines scan signals and entropy computations for Establishing Document Equivalence (Without using OCR)", 23.02.2018
    c. Prof. Alejandro C. Frery, Universidade Federal de Alagoas, Maceió, Brazil will be delivering a distinguished lecture on "Statistical Information Theory and Geometry for SAR Image Analysis" on February 08, 2018
    d. Prof. André Rossi, Professor of Operations Research and the Head of the Department of Computer Science at the University of Angers, France, "Robust target tracking in wireless sensor networks under uncertainty", 09th January, 2018
    e. Dr Nirmal Saxena, Distinguished Engineer NVIDIA and Fellow IEEE; "Autonomous Car-A New Driver for Resiliency and Testability", 08th January 2018.
    f. Prof. Rajkumar Buyya, University of Melbourne, "A Manifesto for Future Generation Cloud Computing: Research Directions for the Next Decade", 26th December, 2017.
    g. Talk by Prof. Satish Narayana Srirama, Head of Mobile & Cloud Lab,Institute of Computer Science, University of Tartu, Estonia. "Mobile and Cloud Centric Internet of Things", 26th December, 2017

h. Jointly organized the 5th International Conference on Big Data Analytics (BDA2017) during December 12-15, 2017 at IIIT Hyderabad, Telangana State, India.

i. Organized a 5-day computer programming exercise (Hackweek) for students, from 5th - 9th December.

j. Prof. Shrisha Rao, School of Information Technology, IIIT Bangalore, & ACM Distinguished Speaker, "Services Science and Services Computing", 24th November, 2017.

k. Workshop on Invesco student connect, October 26, 2017. Organized jointly with Invesco Ltd. (NYSE: IVZ) a "24-Hour Hackathon", 28-30 October, 2017.

l. Prof. Rajkumar Buyya, University of Melbourne, "Excellence and Impact of Research Publications", October 27, 2017.

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

n. Prof. D P Vidyarthi, School of Computer & Systems Sciences, JNU, New Delhi, "Improved GA for Channel Allocation in Mobile Computing", September 21, 2017.

o. Mr. Shanal Tiwari, Boston IT Solutions "Intel's Omni Path Interconnect" on August 30, 2017

p. A half a day Workshop on "Deep learning and HPC using CUDA" is jointly organized by NVIDIA, School of Computer and Information Sciences (SCIS) and Centre for Modelling Simulation and Design (CMSD), University of Hyderabad, Hyderabad on April 11, 2017 at CMSD Seminar hall. Speakers were:
    i. "GPU in Deep Learning", Speaker: Mr Mukundan Srinivasan. Deep learning Solution Architect – NVIDIA
    ii. "Approaches to GPU Computing", Speaker: Mr. Bharat Kumar Sharma, Senior Solution Architect at NVIDIA.

q. Two talks by Dr. K. Raghavendra, Scientist 'F', ADRIN (ISRO), Hyderabad, April 09th, 2017 at Seminar room of SCIS,
    i. Xen Cloud Platform
    ii. Programming Enterprise Clouds using Aneka

r. Distinguished Lecture on" New Frontiers in Cloud Computing for Big Data and Internet of Things(IOT) Applications", Prof Rajkumar Buyya, Director, Cloud Computing and Distributed Systems (CLOUDS) Lab, The University of Melbourne, Australia, On 27 March, 2017.

s. Seminar on " Standardized Electronic Health Records (EHRs) Databases", Prof Subhash Bhalla, Division of Information Systems, University of Aizu, Japan, On 28 February, 2017.

t. Seminar on "Anamalous behavious in the Network", Dr. Ashrith Bharthur, Purdue University, USA, On 21 November, 2016

u. Seminar on "Enterpreneurship: A Carrer Option", Dr. Nandita Sethi, On 21 October, 2016 at 4:00 P.M

v. Seminar on "Deep Learning", Prof. Chakravarthy Bhagvati, School of Computer & Information Sciences, University of Hyderabad. On 7 October, 2016.

w. Seminar on "Turing Award winners", Speakers : Integrated M.Tech(I Semester) students, On 30 September, 2016

x. Seminar on "Linear Algebra for Pattern Recognition: Using Speech Recognition as an Example", Prof. A. G. Ramakrishnan, Department of Electrical Engineering, Indian Institute of Science, Banglore, On 27 September, 2016 at 2:00 P.M

y. Seminar on "An Introduction to Enterprise Information Security Management ", Prof. Chandan Mazumdar, Department of Computer Science and Engineering, Jadavpur University.

15. PhD Student Forum:
   a. Akshay Badola [15MCPC15] "Introduction to Statistical Learning Theory", 15.03.2018
   b. G Madhuri [17MCPC05] "Sparse Representation and Dictionary Learning", 01.03.2018
   c. Anil Kumar [15MCPC10], Fuzzy Min-Max Neural, 15.02.2018
   d. Pandiri Venkatesh [14MCPC02], A Metaheuristic approach for the Covering Salesman Problem, 01.02.2018

16. Student Events
   a. M Tech Students Participation in 24-hour Intercollegiate Hackathon 2017, IIIT Sri City, Chittoor, AP, October 7th, 2017 6pm - October 8th, 2017 6pm. 24 teams participated out of which a team of five students of M. Tech programme from School of Computer and Information Sciences, University of Hyderabad, achieved Second position.
   b. MCA Students Participation in LOGIN- 2017, A National Level Technical Symposium, Organized by PSG College of Technology, Coimbatore, held during September 23rd-24th, 2017. A team of Ten Students of MCA II Year from School of Computer & Information Sciences participated in LOGIN'17. The team achieved the Overall Winners position as they won first position in seven events and second position in one event. The team is awarded with prize money of Rs. 43,000/-.
   c. Students Participation in LOGIN- 2016 (A National Level Technical Symposium), Organized by PSG College of Technology, Coimbatore. Login'16 is a national level technical symposium organized by Computer Applications Association and Computational Sciences Association of PSG College of Technology, Coimbatore, held during September 24th-25th, 2016. LOGIN, has proved its excellence every year with innovation and proactive tapping of fresh young minds since 1990. A team of Ten Students of MCA II Year from School of Computer & Information Sciences participated in LOGIN'16. There were over 150 students participating in these competitions from eight Institutions/Universities including teams from NIT Tiruchurapally, Coimbatore Institute of Technology and others. University of Hyderabad team achieved the Overall Winners position as they won first position in seven events and second position in one event. The students who went to Coimbatore and participated in Login'16 are
      i. Muhammed Waseel K   (15MCMC06)
      ii. Abhay Kumar   (15MCMC08)
      iii. Yashmi Dhiman   (15MCMC14)

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iv. Jyoti Devi   (15MCMC20)
v. Jaswinder Singh   (15MCMC21)
vi. Hardeep Singh   (15MCMC31)
vii. Devesh Thakur   (15MCMC38)
viii. Soumil Mishra   (15MCMC39)
ix. Harmanpreet Kaur   (15MCMC40)
x. Sadhana Kumari   (15MCMC42)

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d. Talk by Prof. Anil Sahasrabudhe, Chairman AICTE on 16th Dec. 2.00 pm through broadcast https://www.facebook.com/InclusiveInnovations/, on Innovations

e. SMART INDIA HACKATHON 2017. An open forum session by Dr. Abhay Jere on 23rd December 2016 at 11.00 A.M via facebook live: facebook.com/InclusiveInnovations."Smart India Hackathon 2017.

f. The 5th Open Forum session by Prof. Deepak B Phatak, 06.01.2017. (by Video-Conferencing)

g. Grand Finale of Smart India Hackathon 2017 (a National event), scheduled on April 1st and 2nd 2017 in various parts of the country under MHRD, GoI. In this regards three teams from School of Computer Sciences participated [One team from M.Tech and two teams from MCA]. Each team had 6 members and was accompanied by two faculty members as mentors. Following are the results:

     i. Team - 1 stood 6th and was given cash award of Rs 25,000.
     ii. Team - 3 stood 6th position and effort was well appreciated.
     iii. Team - 6 did not get any ranking but the contribution was well recognized and many people inquired about their work. Media also interacted with the group.

The Vice Chancellor conveys his congratulations to all students and faculty who have guided/accompanied them for the event. On behalf of everyone in the School we also convey our heartiest congratulations to them. Following are the details of the teams/mentors:

1. [Team –1: Team Prototype, M.Tech CS/AI/IT, Problem Category: Dept of Biotechnology]: The team participated in Bhubaneshwar and the mentors who accompanied the students are Dr. Digambar Pover and Dr. Avatharam Ganivada.
   Student participants:
   Team Leader   V S YASHASWI ATHREYA
   Team Member   AJAY BHATTACHARJEE
   Team Member   MARREDDY KRISHNA CHAITANYA REDDY
   Team Member   SRISOUJANYA R
   Team Member   ROHIT SHANKER GAVVAL
   Team Member   M VARA PRASAD

2. [Team-3: Sindria Generals, MCA, Problem Category: ISRO Problem Code #ISR46]: The team will participate in Ahmedabad and the mentors who accompanied the students are Prof. B. Chakravarthy and Dr. S Durga Bhavani
   Student participants:

Team Leader   MVS RAVICHANDRA
          Team Member   AMIT RANJAN SRIVASATAVA
          Team Member   SHRUTI SUMAN
          Team Member   RUCHI SINGH
          Team Member   GARVIT KUMAR SRIVASTAVA
          Team Member   SAURABH KUMAR PRAJAPATI

3. [Team -6: Holistic Hooligans,MCA, Problem Category: Students Voice]: The team will participate in Guntur and the mentors who accompanied the students are Dr. Salman Abdul Moiz and Dr. PSVS Sai Prasad.

          Student participants:
          Team Leader   Himanshu Soni
          Team Member   Shamik Chakrabarty
          Team Member   Soumil Mishra
          Team Member   Hardeep Singh
          Team Member   Prince Babbar
          Team Member   Deimaphi Langi Wanswett

h. Ms. Ayangleima Laishram, a PhD Scholar of our School for being selected for the seed money for the startup, during two-day Business Plan Boot Camp, calling for proposals from Startups in the campus on 6th and 7th June, 2017, at the School of Life Sciences. This was in collaboration with Singapore-based Govin Capital and with UPE-II sponsorship.