





SREE VIDYANIKETHAN ENGINEERING COLLEGE

(AUTONOMOUS)

Sree Sainath Nagar, A. Rangampet - 517 102

Department of Information Technology

A Creed on Technology

e-News letter - Issue 2

Department Profile:

The Department currently offers undergraduate program B. Tech in Information Technology. The present intake is 120. We provide state of the art facilities both in the 126ssrooms as well as in the laboratories. The department has a team of well qualified, experienced and committed staff members. It provides an atmosphere conducive for acquiring knowledge and emphasizes on practical learning. The department motivates both cultural and physical activities.

Message from the HoD:

I am happy to share the developments being made to project the activities of the students thought this newsletter wherein it explores the information on the student support, mentoring, tutoring, study skills, workshops and career developments activities in the Department. I would like to congratulate all members of the editorial board for their sincere effort to release this new edition of venture. I earnestly wish and sincerely hope that the new publication turns out to be a resounding success.

- To become a nationally recognized quality education center in the domain of Computer Science and Information Technology through teaching, training, learning, research and consultancy.

  MISSION

  4 The Department offers undergraduate program in Information Technology and Post graduate program in Software Engineering to produce high quality information technologists and software engineers by disseminating knowledge through contemporary curriculum, competent faculty and adopting effective teaching-learning methodologies.

  4 Igniting passion among students for research and innovation by exposing them to real time systems and problems

  5 Developing technical and life skills in diverse community of students with modern training methods to solve problems in Software Industry.

  4 Inculcating values to practice engineering in adherence to code of ethics in multicultural and multi discipline teams.

  Program Educational Objectives:

  After few years of graduation, the graduates of B. Tech. (IT) Program would have:
  PEO1. Enrolled or completed higher education in the core or allied areas of Computer Science and Information Technology or management.

  PEO2. Successful entrepreneurial or technical career in the core or allied areas of Computer Science and Information Technology.

  PEO3. Continued to learn and to adapt to the world of constantly evolving technologies in the core or allied areas of Computer Science and Information Technology.

  Program Specific Outcomes:

  On successful completion of the program, the graduates of B. Tech (IT) program will be able to:

- PSO1. Data Management: Design and develop database systems, apply data analytics techniques, and use advanced databases for data storage, processing and retrieval.

  PSO2. Information Security: Apply network security techniques and tools for the development of highly secure systems.

  PSO3. Application Development: Analyze, design and develop efficient algorithms and software applications to deploy in secure environment to support contemporary services using programming languages, tools and technologies.

  PSO4. Intelligent Systems: Apply concepts of computer vision and artificial intelligent for the development of efficient intelligent systems and applications.

  Achievements:

  4 Ms. V. Jyothana, Assistant Professor of IT acted as reviewer for 2rd International Conference on Advanced Computational and Communication Paradigms -2019 (ICACCP-2019).

  Published in Journals:

  4 Dr. L. V. Reddy, "A study on the Result Comparison of the Proposed Process with Respect to Other Proposal", Journal of Emerging Technologies and Innovative Research, Vol. No: 6(1) and Page nos: 444-449, ISSN: 2349-5162, 2019.

  4 Dr. L. V. Reddy, "Multi-objective optimization of information sharing costs to minimize operating costs and maximize revenue in a supply chain", International Journal of Research and Analytical Reviews (Ijrar), Vol.No:6(2) E-ISSN 2348-1269, P-ISSN 2349-5138, 2019.

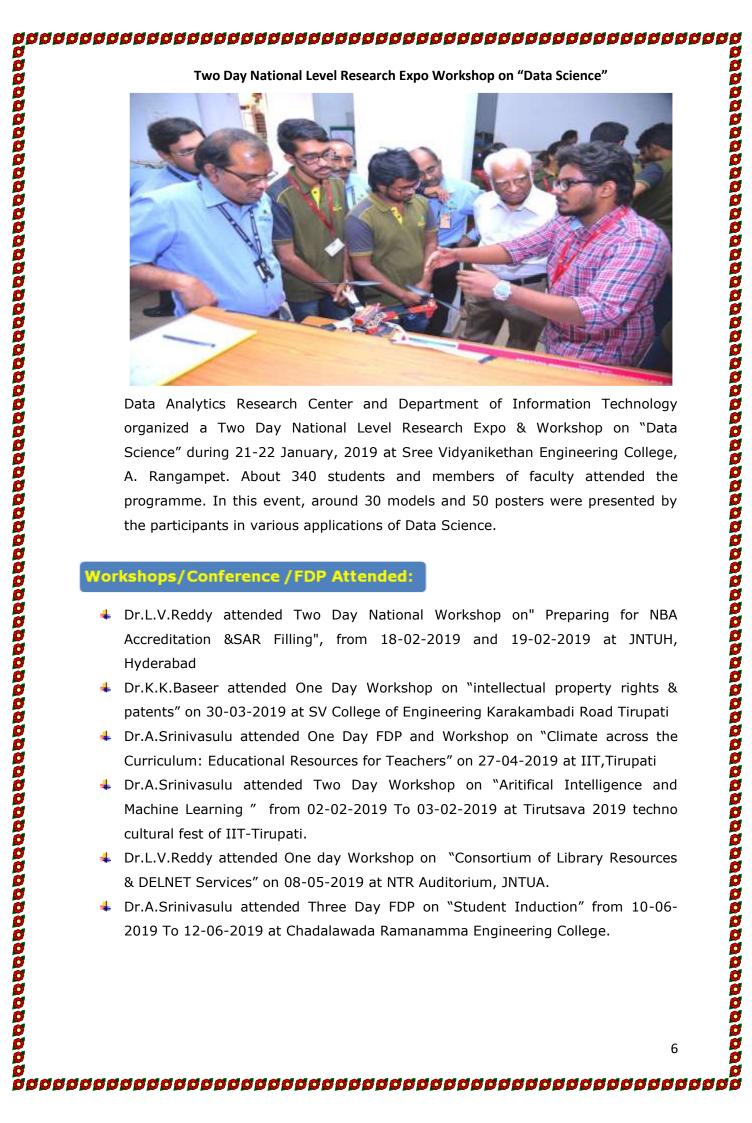
  4 Dr. A. Srinivasulu, "A Survey on Bigdata and Blockchain Technology", International Journal of Research and Analytical Reviews, Vol. No: 6(2), E-ISSN 2348-1269, P-ISSN 2349-5138, 2019.

  4 Dr. A. Srinivasulu, "A Survey on Survey on Diagnosis of Dental Cavities Data Using Big Data Technologies", Journal of Emerging Technologies and Innovative Research (JETIR), Volume 6, Issue 5, ISSN-2349-5162, 2019.

- Dr. K. Khaja Baser, "A Systematic Literature Review on Obstacle Detection for Visually Impaired People", International Journal of Computer Sciences and Engineering, Vol. No:7(6), ISSN 2347-2693, 2019.
   Dr. K. Khaja Baser, "Analyzing various Regression Models for data Processing", International Journal of Innovative Technology and Exploring Engineering (DITEE), Vol.No:9(8), ISSN:2278-3075, 2019.
   Dr. K. K. Baseer presented a paper on "A Systematic Literature Review on Obstacle Detection for Visually Impaired People", National Conference on Advances in Data Science and Engineering Applications at Department of Computer Science, Sri Venkateswara University during 8th 9th February 2019.
   Dr. Asadi Srinivasulu presented a paper on "A Survey on Information Flow Monitoring System using Skyline Algorithm", National Conference on Advances in Data Science and Engineering Applications at Department of Computer Science, Sri Venkateswara University during 8th 9th February 2019.
   Dr. K. Ramani presented a paper on "Secure Data Storage Scheme Using Blockchain in Federated Cloud", National Conference on Advances in Data Science and Engineering Applications at Department of Computer Science, Sri Venkateswara University during 8th 9th February 2019.
   Dr. J. Vellingiri presented a paper on "Secure Data Storage Scheme Using Blockchain in Federated Cloud", National Conference on Advances in Data Science and Engineering Applications at Department of Computer Science, Sri Venkateswara University during 8th 9th February 2019.
   Dr. J. Vellingiri presented a plaper on " Application of 101 based Smart Security and Monitoring Devices for Agriculture", 5th International Conference on Science Technology Engineering & Mathematics, Probing Artificial Intelligence Techniques and Research in IoT[PATRIOT] during 14th 15th March 2019.
   Ms. E.Sandhya presented a paper on " Application of Big data Analytics in power system under single Transmi







- Cnline Certifications

  4 Dr. A. Srinivasulu Successfully complete a online Certification on "Programming in C++", by NPTEL, January-April 2019

  4 Dr. O. Obulesus Successfully complete a online Certification on "Data Sciences for Engineers", by NPTEL, January-April 2019

  4 Ms.V.Jyothsna Successfully completed online course of 2.5 hours of Ethical Hacking with Wireshark by Udemy

  4 Ms.V.Jyothsna Successfully completed online course of 9.5 hours of Blockchain & Crypotocurrency (Bitcoin, Ethereum) Essentials by Udemy

  4 Mr.B.Bhaskar Kumar Rao Successfully completed online course on CS215.2: Agile Solutions for greater Innovation offered by BerkeleyX

  4 Mr.A. Uma Mahesh Successfully completed online course 4 hours of continuing education by participating in IPD Week offered by CISCO

  4 Dr.K.Ramani, Dr.L.V.Reddy and Ms.V.Jyothsna Successfully complete a online Certification on" Cryptography and Network Security", by NPTEL, January-April 2019

  4 Mr.P.B. Bhasha, Ms.E.Sandhya and G.uma Mahesh Successfully complete a online Certification on "Internet of Things", by NPTEL, January-April 2019

  4 Dr.A. Srinivasulu, Ms.C.Silpa, Ms.Ch.Prethima, Mr.Ch.Sreenu Babu and Ms.B.Sangamitra Successfully complete a online Certification on "Problem solving through c", by NPTEL, January-April 2019

  4 Dr.O.Obulesu, Mr.V.S.V.S.S.S. M Chakradhar Successfully complete a online Certification on "Introduction to Automata, Languages and Computation", by NPTEL, January-April 2019

  4 Dr.O.Obulesu, Mr.M.Trilok Reddy Successfully complete a online Certification on "Orthopathy Complete and Computation", by NPTEL, January-April 2019

  4 Mr. Mr.V.Lokanadham Naidu Successfully complete a online Certification on "Grompiler Design" by NPTEL, January-April 2019

  5 Dr.O.Obulesu, Mr.M.Trilok Reddy Successfully complete a online Certification on "Grompiler Design" by NPTEL, January-April 2019

  6 Dr.O.Obulesu, Mr.M.Trilok Reddy Successfully complete a online Certification on "Grompiler Design" by NPTEL, January-April 2019

  7 Dr.O.Dulesu, Mr.M.Trilok Reddy Succ

Guest Lecture on "Higher Education in Premier Institutes and Benefits" by Ms. C. Pranava Reddy, pursuing MSIT in IIIT Hyderabad.
Guest Lecture on "Employability Skills" by Mr. A. Pavan Teja, Working as Software Engineer at CGI, Bangalore (Alumni of IT)
Guest Lecture on "Awareness session & Mock Training Classes (GATE/IES/ PSU)-Higher Education at ITIS/NITs" by Mr. Dinesh Gutha, Software Engineer at Cisco Systems.
Guest Lecture on "Role of Coding Skills in IT Career" by Ms. K. Prathyusha, Senior Software Engineer at Ciobal Edge Software Ltd. Bangalore
Guest Lecture on "Design Thinking and Organizational Behavior" by Mr. Preetham,
HR Manager and Developer, Phoenix Analytics Ltd, Trupati
Guest Lecture on "Corporate Ethics" by Mr. V. Jeyakrishnan, Manager (Client Engagement), Aspire Systems Pvt Ltd, Chennai

ICT tool can be any educational tool like Moodle Cloud, Canvas, Google Classroom, etc

Creation of course with Pre-requisite, course description, objectives, outcomes and syllabus.
Students course registration.
Announcements about course activities schedule.
Conduction of Diagnostic Test and Formative Tests with different form of questions such as multiple choices, Fill in the blanks, True/False, Short and Essay answers, Missing words, Match the following, etc.
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Adithya Sai (16121A1226) bagged 1st Prize for presenting Paper on "Data Mining in Selection" Avishkar-GYANITH'19, National Institute of Technology, Puducherry, from 28.02.2019 to 02.03.2019
T. Anjai (17121A12A0), Shaik Asifa (17121A1296) bagged 1st Prize for presenting Paper on "Smart Transportation using IoT", Two Day National Level

Technical Symposium "Cynosure 2K19" on 30.03.2019 to 31.03.2019 at Sri Venkateswara University, Tirupati

V.S.Asha(16121A12A6), Talari Madhu Prakash (16121A1298), Naliagatla Veeranjaneyulu (16121A1270) bagged 1st Prize for Model on "Smart Cane for Visually Impaired People", Two Day National Level Research Expo and Workshop on "Data Science" during January 20-21, 2019 at SVEC, Tirupati.

M. Chandrika (16121A1265), P. JANAKI (16121A1273) and Viswanatham Harsha Vardhan (16121A1285) bagged 3rd Prize for Model on "Smart shopping Cart", Two Day National Level Research Expo and Workshop on "Data Science" during January 20-21, 2019 at SVEC, Tirupati.

Research Talks:

Dr. L. V. Reddy, Professor, Department of IT, delivered Technical Talk on "Block Chain Technology" on 27.02.2019

Ms. E. Sandhya, Asst. Professor, Department of IT, delivered Technical Talk on "Open Research Challenges in IoT Security" on 29.03.2019

Mr. B. Bhaskar Kumar Rao, Asst. Professor, Department of IT, delivered Technical Talk on "Test Suite Optimization using Evolutionary Approach" on 26.04.2019

ARTICLES:

The Cloud is more than Technology - it's a generational shift

Cloud computing is perhaps the most flamboyant technological innovation of the 21st century. This is because it has seen the fastest adoption into the mainstream than any other technology in the domain. This adoption has been fueled mainly by the ever-increasing number of smartphones and mobile devices that can access the internet.

Why the cloud computing is important ?' is the question which arises in all our minds Pooled computing resources available through cloud computing have been proven to offer tremendous benefits to business organizations. Unraveling are these benefits broadly classified into three categories that include efficiency, flexibility, and strategic value.











The demand for the cloud computing will increase rapidly in future. Cloud computing is helping the society to cope with future problems such as managing big data, cyber-security and quality control. In addition to this, emerging technologies such as Artificial Intelligence, distributed ledger technology, and many other capabilities are becoming available as services through cloud computing.

There are so many researches going on this aspect. The list of the researches are green cloud computing, edge computing, doud cryptography, load balancing, cloud analytics, cloud scalability, service model, cloud security.

The top most companies providing best jobs for cloud computing are Microsoft azure, Kamatera, VMware, IBM cloud computing, Oracle corporation etc...

By Yasmeen Shadab (18121A1209)

EDGE COMPUTING

What does edge computing matters?

Edge computing in IT is defined as the deployment of data-handling activities or other operations away from centralized and always-connected network segments, and toward individual sources of data capture, such as endpoints like laptops, tablets or smartphones. Through this type of network regineering, IT professionals hope to improve network security and enhance other network outcomes. Edge computing is one of the top five technologies in today's world. With deployments of IoT devices and the arrival of SG fast wireless, placing compute and analytics close to where data is created Is making the case for edge computing.

