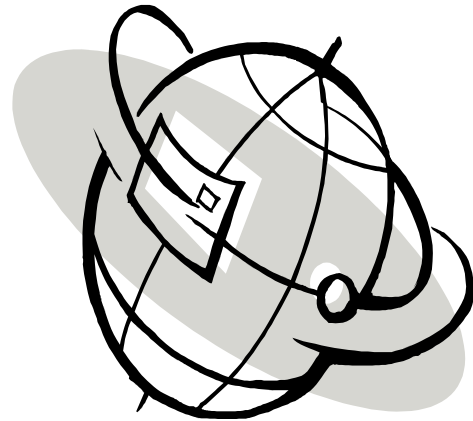


Department of Information Technology

Newsletter

**INSIDE THIS ISSUE:**

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Ph.D. info
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Paper Published in Book
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Awards & Results

Research Project Completed

- An AICTE MODROBS project worth Rs. 5,16,000/- was Completed to Dr. A. Srikrishna for IoT Laboratories, November 2020.

Internal R&D Project in progress

- Dr. M.Ramesh, Professor was sanctioned an amount of Rs.40,000 for a research project on 'An Automated Learning Code Summarization Using Anatomy and Auto Folding Frameworks'.

Awards/Appreciations

- K. Subramanyam received WIPRO Faculty Certification 'Project Based Learning(PBL) in JAVA J2EE' , July 2020.

Ph.D. Awarded Under Faculty Guidance

- Under the guidance of Professor M. Ramesh, RVRJCCE, Ph.D degree was awarded to Mr. M. Gowtham, by ANU in Dec, 2020. The title of the thesis was 'Hybrid Mechanisms for Access Control and Trust Management in Cloud Environment'.

Patents

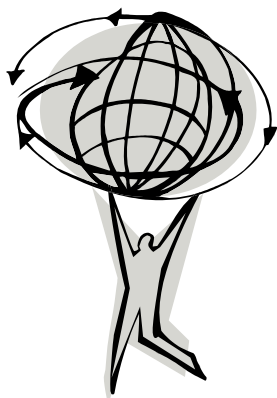
- A Patent application published by Govt. of India on the title "A Smart and Efficient Hospital Management System Over the Cloud for Data Analysis and Security in Case of Pandemics" to the faculty member Dr. N. Naga Malleswara Rao, Patent Application No: 202041025003 A, Date of Filing: 15-06-2020, Publication Date: 17-07-2020.
- A Patent application published by Govt. of India on the title "Effective Instructor Feedback System for Education System and Methods Thereof" to the faculty member Gadde Swetha, Patent Application No: 202041034055, Date of Filing: 07-08-2020, Publication Date: 21-08-2020.
- A Patent application published by Govt. of India on the title "Energy Auditing for IOT System Security by Deep Learning Convolution Neural Network", to the faculty member Subramanyam Kuniseti, Patent Application No: 202041036196, Date of Filing: 22-08-2020, Publication Date: 04-09-2020.
- A Patent application published by Govt. of India on the title "Customized Placement Training Assistance for Students Using Artificial Intelligence" to the faculty member Gadde Swetha, Patent Application No: 202041042414, Date of Filing: 29-09-2020, Publication Date: 09-10-2020.
- A Patent application published by Govt. of India on the title "Method of Energy and Deadline Based Scheduling of Tasks in Cloud Computing Using Greedy Algorithm" to the faculty member Dr. G. Rama Mohan Babu, Patent Application No: 202041046120, Date of Filing: 22-10-2020, Publication Date: 06-11-2020.
- A Patent application published by Govt. of India on the title "Enhanced Fingerprint Authentication System by Gabor Filter and Classification Dictionaries Learning" to the faculty member Venkata Srinivasu Veesam, Patent Application No: 202041047364 A, Date of Filing: 29-10-2020, Publication Date: 06-11-2020.
- A Patent granted by Australia Commissioner of patents on the title "IUML- Stock Prices Predictor: Intelligent Stock Prices Predictor Using Machine Learning" to the faculty member Dr. Makala Ramesh, Patent Application No: 2020103525, grant Date: 19-11-2020.



“Technology is just a tool. In terms of getting the kids working together and motivating them, the teacher is most important.”

- *Bill Gates*

“Controlling complexity is the essence of computer programming.”
- B. Kernighan



Patents

- A Patent application published by Govt. of India on the title "PCEE-Security Mechanism System: Prefix Coding with Embedded Encryption Security Mechanism System" to the faculty member Dr. Makala Ramesh, Patent Application No: 202041048679, Date of Filing: 07-11-2020, Publication Date: 11-12-2020.
- A Patent application published by Govt. of India on the title "A Generic Framework for Social Feedback Analysis for Organizational Growth" to the faculty member K. Srinivasa Rao, Patent Application No: 202041055178, Date of Filing: 18-12-2020, Publication Date: 25-12-2020.

Guest Lecture Organized

- Rajeshwari Rai, Principal UA Developer, Oracle people Soft, Hyderabad, delivered a guest lecture on “Data analysis using python” for III/IV, IV/IV B.Tech IT students and II/IV B.Tech CSBS Students on 23rd Sept, 2020.
- Ranajoy Bose, Sr. Manager, Analytics & Data Science, Cloud Engineering, Oracle India has delivered a guest lecture on “An Introduction to Machine Learning” for II/IV, III/IV, IV/IV B.Tech (IT) & II/IV B.Tech (CSBS) students on 29th Sept, 2020.
- Sonal Gupta, Principal Member of Technical Staff, Oracle India has delivered a guest lecture on “Cloud Technologies, applications and careers” for III/IV, IV/IV B.Tech (IT) students on 09th Nov, 2020.

Paper Published in Book

- M. Durairaj, B.H. Krishna Mohan, M. Manjusha, "Volatility Nature of Financial Time Series Applications during Covid-19 ERS", Dynamic Business Trends and Innovations in Contemporary Times, Paramount Publishing House, ISBN:978-81-948876-3-8.

Research Paper Publications

- G. Lalitha Kumari, Dr. N. Nagamalleswara Rao, 'Hybridization of PSO-ABC Based Ensemble Classification Model for High Dimensional Medical Datasets', International Journal of Simulation: Systems, Science and Technology, Vol-19/No-6, ISSN: 1473-8031, June 2019. (SCOPUS)
- M. Sreerama Murty; N. Naga Malleswara Rao, "Loading, searching and retrieving data from local data nodes on HDFS", International Journal of Data Science, 5(1), 41-52, Aug 2020 (SCOPUS)
- Yaswanth Kumar Alapati, Suban Ravichandran 'Secure Data Transfer in Manet with Key Calculator and Key Distributer Using Cryptography Methods' International Journal of Safety and Security Engineering, 10(4), 567-572, Aug 2020 (SCOPUS)
- GowthamMamidiseti, Ramesh Makala 'A novel data sharing model for cloud environment using dual key authentication' International Journal of Cloud Computing, 9(2/3), 295-310, Aug 2020 (SCOPUS)
- GowthamMamidiseti, Ramesh Makala, ChunduruAnilkumar 'A novel access control mechanism for secure cloud communication using SAML based token creation' Journal of Ambient Intelligence and Humanized Computing, Springer, Aug 2020, <https://doi.org/10.1007/s12652-020-02427-8> (SCI)
- N. VenkataRamana Gupta, Ramesh Makala 'User Centric Optimization in MANETS using Firefly Algorithm' International Journal of Advanced Trends in Computer Science and Engineering, 9(4), 5355-5363, ISSN 2278-3091, Aug 2020, (SCOPUS)
- Rakesh Nag Dasari, G. Rama Mohan Babu 'An Investigation of Best Virtual Machine Picture Encryption Procedure for Cloud Security' International Journal of Advanced Science and Technology, 29(3), 5917-5925, 2020 (SCOPUS)
- Vanathi, A., Naga Malleswara Rao, N., Naga Subrahmanyeswari, N., Lakshmi, P.N.S., "Characteristics diagnosis of white blood cells using CNN", Journal of Critical Reviews, 7(9), 1109-1113, ISSN: 2394-5125, Sept 2020 (SCOPUS)
- Srinivasa Rao K, Dasika Sree Rama Chandra Murthy, Gangadhara Rao Kancherla, "An Automatic Text Summarization Method with the Concern of Covering Complete Formation", Recent Advances in Computer Science and Communications, 13(5), ISSN: 2666-2566, Oct. 2020 (SCOPUS)

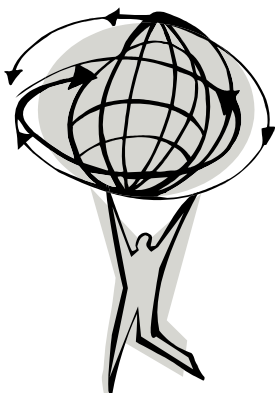


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Research Paper Publications

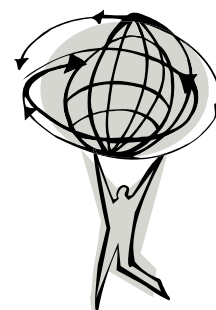
- Neelima Nalla, "Reconstructing the Curve-Skeletons of 3D Shapes Using Convolution Neural Network", Journal of Critical Reviews, 7(10), ISSN: 2394-5125, Oct. 2020 (SCOPUS)
- Swetha Gadde, Janaki K, "A Multilevel User Validation Framework for Accessing Cloud Services", Journal of Critical Reviews, 7(12), 2116-2123, ISSN: 2394-5125, Nov 2020 (SCOPUS)
- Maturi Sreerama Murty, Nallamothe Nagamalleswara Rao, "Stalking the Resources for Security in Linked Data Applications Using Resource Description Framework", Ingénierie des Systèmes d'Information, 25(6), 793-801, Dec. 2020 (SCOPUS)
- N. Neelima, Dr. A. Srikrishna, Dr. K. Gangadhara Rao, 'Rank based Approach for Extracting Unit Pixel Width' IOP Conf. Series: Materials Science and Engineering, 981 (2020), doi:10.1088/1757-899X/981/3/032005, Dec 2020 (SCOPUS)
- A. Vanathi, Dr. N. Nagamalleswara Rao, "An Approach to Support for Data Aggregation to Reduce the Hot Spot Problem", International Journal of Intelligent Engineering and Systems, 498-503, ISSN: 1943-023X, Dec 2020 (SCOPUS)

Paper Presentations in Conferences

- Neelima Nalla, "Signature Verification based on Skeleton Features" International Conference on Advances in Science, Engineering & Mathematics, Annamacharya Institute of Technology and Sciences, Rajampet, August 7-9, 2020.
- B. Manasa, "Predicting the political Orientation from Tweets, Retweets & Retweets" International Conference on Advances in Science, Engineering & Mathematics, Annamacharya Institute of Technology and Sciences, Rajampet, August 7-9, 2020.
- M. Ramesh, K. Subramanyam, M Vyshnavi 'Automated Program Control Flow Summarization of Source code using Auto Folding" International Conference on Advances in Computing, Communication, Automation and Biomedical Technology (ICACCABT 2020), KPR Institute of Engineering and Technology, Coimbatore, India, December 11-12, 2020. (As a part of Internal R&D Project)

Conferences / Workshops Attended

- Dr. A. Srikrishna, Professor, attended a Graphical System Design Conference on 'NIWeek2019 Academic Summit', at Austin, Texas, USA, during 20 – 23 May, 2019.
- K. Subramanyam, one week FDP "Role of Machine Learning and Data Sciences in AI" MGIT, Hyderabad, June 28 – July 2, 2020.
- A. Yaswanth Kumar, one week FDP "Emerging Trends in Computer Science and Information Technology" Dept. of CSE, KPRIT, Hyderabad, June 29 – July 4, 2020.
- K. Subramanyam, A. Yaswanth Kumar, three day workshop "Applications of Deep Learning" Dept. of IT, Annamalai University, Chidambaram, July 8 – 10, 2020.
- K. Subramanyam, five day FDP "Deep Learning & its Applications: Theory to practice" Sasi Institute of Technology and Engineering, Tadepalligudem, July 6 – 10, 2020.
- K. Subramanyam, three day workshop "Applications of Deep Learning" Dept. of IT, FEAT, Annamalai University, Chidambaram, July 8 – 10, 2020.
- B. Hemanth Kumar, two day FDP "Cyber Security & Forensics" Center of Excellence in Cyber Security, JNTUH, Hyderabad, July 9-10, 2020.
- N. Neelima, five day FDP "Machine Learning using Python" Dept. of CSE, Ramco Institute of Technology, Rajapalayam, July 8-12, 2020.
- A. Yaswanth Kumar, five day FDP "Agile Methodology" Dept. of School of Computing and Information Technology, Reva University, Bangalore, July 14 – 18, 2020.
- K. Subramanyam, three day FDP "Artificial Intelligence, Neural Networks & its Applications" Tirumala Engineering College, Narasaraopet, July 17 – 19, 2020.
- M. Siddardha Kumar, Y. Madhulika, two week FDP "Internet of Things (IoT)" APSSDC, July 13-25, 2020.
- B. Hemanth Kumar, five day FDP "Insight and Trend in Data Analytics" Dept. of CSE, Karpagam College of Engineering, Combatore, July 21-26, 2020.
- K. Subramanyam, A. Yaswanth Kumar, five day FDP "Cyber Security" Dept. of CSE, Gudlavalluru College of Engineering, July 22 – 26, 2020.

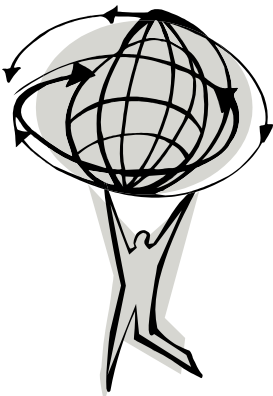


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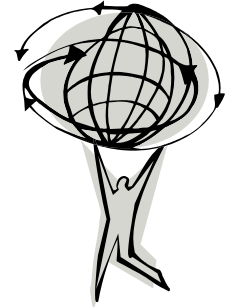


Conferences / Workshops Attended

- B. Hemanth Kumar, two day Webinar "Machine Learning & it's Applications" Dept. of CSE, Dr. B. R. Ambedkar University, Srikakulam, July 26-27, 2020.
- I. Naga Padmaja, one month FDP “AI & Deep Learning” APSSDC, July 1 – 28, 2020.
- B. Hemanth Kumar, one week FDP "Linex Fundamentals with Cloud and Container Platform" Marian College, Kuttikkanam, July 22-28, 2020.
- B. Hemanth Kumar, one month FDP "AI and Deep Learning" APSSDC, Govt. of Andhra Pradesh, July 1-28, 2020.
- A. Yaswanth Kumar, five day FDP “Network Simulation Tools-NS2 & NS3” Dept. of School of Computing and Information Technology, Reva University, Bangalore, Aug 10 – 14, 2020.
- B. Hemanth Kumar, two day AICTE Sponsored National Conference "Next Generation Computing Technologies and their role on Natio Development (NGCTND - 2020)" Institute of Technology & SCience, Mohan Nagar, Ghaziabad, August 21-22, 2020.
- I. Naga Padmaja, National Level FDP “SPSS & Origin” Dept. of Computer Science, Sri Padmavati Mahila Visvavidyalayam, Tirupati, Aug 29 – 31, 2020.
- K. Subramanyam, one week hands on FDP “Artificial Intelligence using Python” Brainovision Solutions India Private Limited & National Youth Council of India, Sept 14 – 19, 2020.
- I. Naga Padmaja, online webinars “Innovation & Technology Readiness” and “Innovation, Startup Policy & Grant Proposed Writing” Sri Padmavati Mahila Visvavidyalayam, Tirupati, Oct 3 – 17, 2020.
- B. Satish Babu, ATAL FDP “Artificial Intelligence”, Rajagiri School of Engineering & Technology, Oct 16 – 22, 2020.
- M. Ramesh Kumar, one week National IP Literacy “Kalam Program for IP Literacy and Awareness”Ministry of Education’s Innovation Cell, Govt. of India, Oct 15-23, 2020.

Conferences / Workshops Attended

- M. Ramesh, two day Conclave "Industry Institute Conclave", NIT, Raipur, Oct 31 - Nov 1, 2020.
- B. Manasa, one day workshop "Secure IOT Applications", Shah & Anchor Kutchhi Engineering College, Mumbai, Nov 2 – 7, 2020.
- M. Ramesh, five day workshop "Performance Computing Using Parallel, Distributed & Cloud Computing (HPCPDC2)", Dept. of IT, YeshwantraoChavan College of Engineering , Nagpur, Nov 2-6, 2020.
- G. Swetha, five day FDP "Nurturing Innovation Leading to Patent Generation", Office of Welfare, NIT AP, Nov 9-13, 2020.
- K. Srinivas Rao, one week AICE Sponsored STTP "Machine Learning and Deep Learning Techniques for Artificial Intelligence Problems using Python" Dept. of IT, Vignana Jyothi Institute of Engineering and Technology, Hyderabad, Nov 16-21, 2020.
- B. Satish Babu, one week AICTE–ISTE sponsored FDP "Internet of Things and its Applications", AU, Nov 16 – 22, 2020.
- B. Hemanth Kumar, five day ATAL FDP "Computer Science & Biology", Jawaharlal Nehru University, Nov 23-27, 2020.
- M. Ramesh, five day workshop "Neural Network and Deep Learning", University School of Information, Communication and Technology at Guru Gobind Singh Indraprastha University, Delhi, Nov 23-27, 2020.
- K. Subramanyam, ATAL FDP "Neural Network and Deep Learning", AICTE ATAL Academy, Nov 23 – 27, 2020.
- K. Subramanyam, B.Satish Babu, V. Venkata Srinivasu, six day STTP "Deep Learning Based Analysis of Images and Videos using Python", KIT-Kalaignarkarunanidhi Institute of Technology, Coimbatore, Nov 30 – Dec 5, 2020.
- M. Ramesh, two week UGC Refresher Course "Blockchain Technology", UGC-Human Resource Development Centre, Nov 23-27, 2020.
- K. Subramanyam, ATAL FDP "Block Chain", AICTE ATAL Academy, Alagappa University, Dec 11 – 15, 2020.

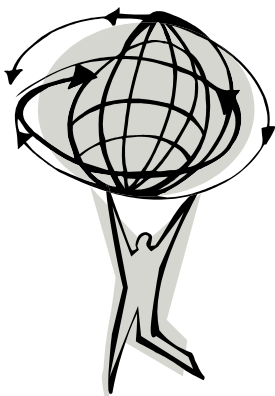


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Conferences / Workshops Attended

- B. Manasa, two week FDP “Research Methodology, Design of Experiments for Engineers & Researchers”, Dept. of Mechanical Engineering, RVR & JC CE, Dec 7-19, 2020.
- G. Swetha, five day FDP "Multimedia and Security", NIT Patna, ISEA Project, Phase-II of the Ministry of Electronics and Information Technology (MeitY), Govt. of India, Dec 16-20, 2020.
- Bh. Krishna Mohan, five day FDP “Data Analytics for Real Time System (DARTS-2020), Dr. APJ AbdulKalam Technical University, Goel Institute of Technology & Management, Lucknow, Dec 26 – 30, 2020.

Students Participated in Different Activities (APSSDC, IITB/IITK Remote Centre, NPTEL, etc)

- 30 students of III/IV B.Tech have completed NPTEL courses on C Programming, DBMS, Data Structures Using Python, Design and Analysis of Algorithms etc..
- 10 students of III/IV B.Tech have completed COURSEERA courses on Programming for Everybody (Getting Started with Python), Algorithmic Toolbox, Data Structures etc.
- 13 students of III/IV B.Tech have completed APSSDC Online Training program in Python Programming, IOT, Data Analysis using Python, Machine Learning, Data Structures using python.
- 1 student is participated in Cyber Security at JNTU organized by Protrex LLP in association with E-Cell IIT Bombay during 22-23 February 2020.
- 1 student is participated in Step into robotic Process Automation at Guvi Tech Pvt. Ltd. on June 2 2020.
- 1 student is participated in International Webinar on The Role of Ethics and its impact on Leadership at VR Siddhartha Engineering College.
- 1 student is participated in Internet of Medical Things: Challenges and solutions by CSI student chapter from August 17-22 2020 [1 week].

Placement Record 2020-2021

Sl.No	Name of the Company & Visited Date	B.TECH
1	COVIUM, 07 th September, 2020	4
2	Technovert, Hyd., 28 th Sept., 2020	3
3	TCS Code Vita	8
4	Hexware, Hyd. 16 th sept., 2020	3
5	TCS Digital Hiring, Hyd., 03 rd & 04 th October, 2020	6
6	MODAK Analytics, Hyd., 07 th Oct., 2020	1
7	CTS, Hyd., 18 th & 19 th Oct., 2020	29
8	TCS NQT, Hyd., 24 th – 26 th Oct, 2020	29
9	Intellias, Vij, 05 th November, 2020	1
10	NALSOFT. Hyd. 27 th Nov.2020	2
11	EPAM, 10 th December, 2020	1
12	Infosys, Hyderabad	18
	Total	105

Training Details

Sl. No.	Year	Name of the Programme	Name of the Resource Person	Date/Period
1	IV/IV	Mentorship Programme	M/s. Tech Systems	10.08.2020 - 09.08.2020
2	IV/IV	Virtual Mock Interviews	M/s Seventh Sense, Bangalore	14.08.2020 - 15.08.2020
3	IV/IV	Online CRT Programme	Module I -M/s. Triumphant Training Solutions, Hyd.& Module II – M/s Seventh Sense, Bangalore	17.08.2020 - 22.08.2020
4	IV/IV	Webinar	M/s. Wipro, Hyderabad	18.08.2020 - 30.11.2020
5	III/IV	Profile Building for Higher Education & Placements	Mr. PN Santhosh, CEO & Founder–Career Labs, BYJU’S Co-founder. BYJU’S CareerLabs, Hyderabad	01.09.2020 (05.00 PM - 06.00 PM)



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Academic Results

Year	Total Appeared	Total Pass	Pass %
I/IV B.Tech	125	88	70.40
II/IV B.Tech	130	94	72.30
III/IV B.Tech	119	95	79.83
IV/IV B.Tech	113	112	99.11
II/II M.Tech (II Semester)	1	1	100
II/II M.Tech (IV Semester)	4	4	100

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Editorial Board

<u>Staff Members</u>		
Sl.No	Staff Name	Designation
1	Dr. M.Ramesh	Professor
2	Smt. N. Neelima	Assistant Professor
3	Sri B.Satish Babu	Assistant Professor
<u>Student Members</u>		
Sl.No	Reg. No	Sudent Name
1	Y17IT011	M. BHANU REKHA
2	Y17IT076	RAJESH CHOWDARY
3	Y18IT040	K PAVAN TEJA
4	Y18IT061	M J D RAVI CHAND

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Chief Editor

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Convener