ww.mits.ac.in

ECHO NEWSLETTER

Wash Your Hands
At this time, there COVID-19.

Wear A Mask If Available
At this time, there COVID-19.

VOLUME 2

2020-2021

Mouth When Sneezing
At this time, there COVID-19.

Avoid Touching Face
At this time, there COVID-19.

MITS
DEARTMENT OF CST

#stayathome

WE'LL BE HERE WHEN YOU GET BACK

About MITS

Madanapalle Institute of Technology & Science is established in 1998 in the picturesque and pleasant environs of Madanapalle and is ideally located on a sprawling 26.17 acre campus on Madanapalle - Anantapur Highway (NH-205) near Angallu, about 10km away from Madanapalle.

MITS, originated under the auspices of Ratakonda Ranga Reddy Educational Academy under the proactive leadership of Late Sri. N. Krishna Kumar M.S. (U.S.A), the then President and Dr. N. Vijaya Bhaskar Choudary, Ph.D., Secretary & Correspondent of the Academy.

MITS is governed by a progressive management that never rests on laurels and has been striving conscientiously to develop it as one of the best centers of Academic Excellence in India. The Institution's profile is firmly based on strategies and action plans that match changing demands of the nation and the students fraternity. MITS enjoys constant support and patronage of NRI's with distinguished academic traditions and vast experience in Engineering & Technology.

Institute Vision

To become a globally recognized research and academic institution and thereby contribute to technological and socio-economic development of the nation.

Institute Mission

To foster a culture of excellence in research, innovation, entrepreneurship, rational thinking, and civility by providing necessary resources for generation, dissemination and utilization of knowledge and in the process create an ambience for practice-based learning to the youth for success in their careers.

About Us

The Department of Computer Science & Technology (CST) offers 4-year degree, which is established in the year 2018 and plays a vital role in producing value-based professionals to cater to the ever-challenging needs of technical excellence in the emerging areas of CST. The department offers one UG program with an intake of 60 students and the intake was enhanced to 180 seats in the year 2019. Department has adequate infrastructural facilities required for imparting high quality education and the department is fully structured to meet the contemporary needs of the industry. Imparting high quality education is supported by well qualified and experienced faculty members with rich academic and industry exposure, who have pursued Masters/Ph.D degree from prestigious institutions like NITs, IITs, and Central Universities within India and abroad. Seminars, Workshops, and Technical Symposia are conducted in the department to keep faculty and students updated with latest developments in various technologies.

Department Vision

To bring forth globally competent engineers with societal consciousness, who thrive in academics and research in Computer Science & Technology.

Department Mission

M1: To deliver technical education of the highest quality by improving the curriculum and using effective pedagogical techniques by qualified faculty.

M2: To foster interaction between Industry and academia, to improve students' abilities in research, innovation, and entrepreneurship.

M3: To prepare the students to become professionally competent and intellectually adept by imparting required Skills to mitigate the societal problems.

Program Outcomes (POs)

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2: Problem analysis: Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences

PO3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues, and the consequent responsibilities relevant to the professional engineering practice.

PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Educational Objectives (PEOs)

PEO1: Graduates will have successful career by contributing for innovation of new technologies and systems in the key domains of Computer Science & Technology.

PEO2: Graduates will be able to perform technical/ administrative roles in information technology industry / R&D sectors and pursue higher education in reputed institutions.

PEO3: Graduates will be ethically and socially responsible towards the societal development and opting a career as an entrepreneur with moral values in various domains of Computer Science & Technology.

MESSAGE FROM THE HEAD OF THE DEPARTMENT

Prof. Dr. M.Sreedevi HoD, Dept of CST, MITS.

A warm greeting to all!!

It is my pleasure and honor to introduce the Department of Computer Science & Technology at MITS. We have state-of-the-art infrastructure, laboratory facilities and highly qualified and experienced faculty to impart quality education. We are proud to contribute to their advancement and the society at large. This newsletter (2020-2021) highlights the key areas of our activities, strengths, and accomplishments. With the strong support of our dynamic faculty, hardworking staff, and ambitious students, we have created an environment that fosters collaboration, a culture of accomplishment and strong support of ethnic and intellectual diversity.

"Today's cutting-edge technology becomes a legacy solution in a couple of years in the current technological environment. The only way out conundrum is a persistent endeavour to upgrade one skill set and domain expertise. In this passion for achieving excellence, the CST department is determined to empower students to become invaluable assets for any organization."

MESSAGE FROM EDITORIAL TEAM

It is a matter of great pride and privilege for us to present Newsletter of CST Department, MITS. This newsletter is intended to be published twice in a year which serves as a platform to highlight the literary and artistic segment of the CST Department of MITS family. The essential purpose of the newsletter is to inform, engage, inspire and entertain a diverse readership -- including alumni, faculty, staff, students, parents and other friends of the institute by presenting an intimate, timely and honest portrait of the Department -- its people, its activities, its placements, its resources and its mission.

Dr. K. Dinesh Associate Professor DEPT OF CST

In the originality of its conception, in the excellence of its writing and visual presentation and in its commitment to accuracy, healthy discourse and editorial balance, the magazine endeavors to reflect the values and the quality of the department itself. By maintaining the respect and interest of its readers, this newsletter aspires ultimately to inform their opinion of the department and to strengthen their commitment to its welfare. We hope you enjoy reading this issue as much as we have enjoyed making it.

Happy Reading!!

EVENTS ORGANIZED

(Webinars, Seminars, Guest Lectures, Workshops, FDP's, Awareness Programmes)

1. A Webinar on "Python and Emerging Trends in Machine Learning" Organized by CST 02.06.2020.

2. A Webinar on "Industrial IOT and Intelligent Connectivity using Rasberry PI" Organized by CST 16.07.2020.

3. A 5 Days Online FDP on "Online tools for Teaching and Research" Organized by CST 27.07.2020 to 31.07.2020.

4. A Webinar on "Data Science and its learning techniques" Organized by CST 13.08.2020.

5. A One Day online Guest lecture on "Emerging Trends in IT-An Industrial approach" Organized by CST 01.09.2020.

6. A Webinar on "Introduction to Block chain" Organized by CST 05.10.2020.

7. A Webinar on "Walk through in Python for Machine Learning" Organized by CST 10.11.2020.
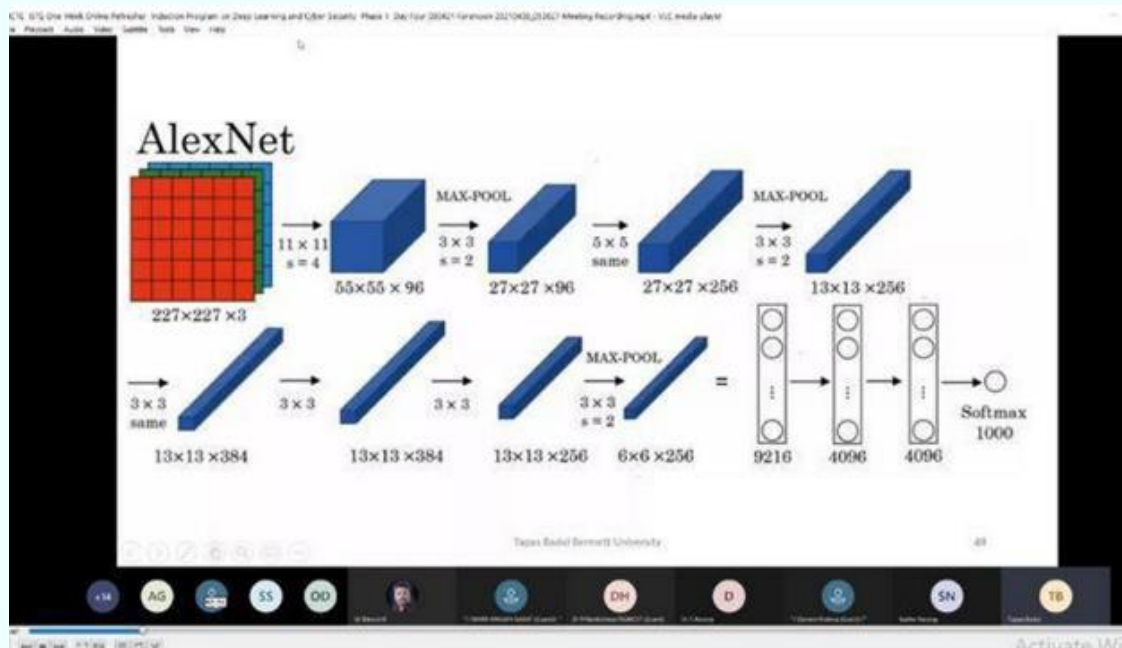
8. A Virtual Lecture Workshop on "Modern Computational Techniques" Sponsored by Science academics Organized by CST 10.12.2020 To 11.12.2020.

9. A Webinar on "Real time tools used in IT Industry" Organized by CST 05.01.2021.

10. A One Day Online Guest lecture on "Role of latest technologies in a Post Covid World" Organized by CST 19.01.2021.

11. A One Day Workshop on "Exploring the World of Data Structures" Organized by CST 10.02.2021.

12. A AICTE-ISTE Sponsored six days workshop on "Deep Learning and Cyber Security"(Phase I) Organized by AICTE – ISTE 22.02.2021 to 27.02.2021.
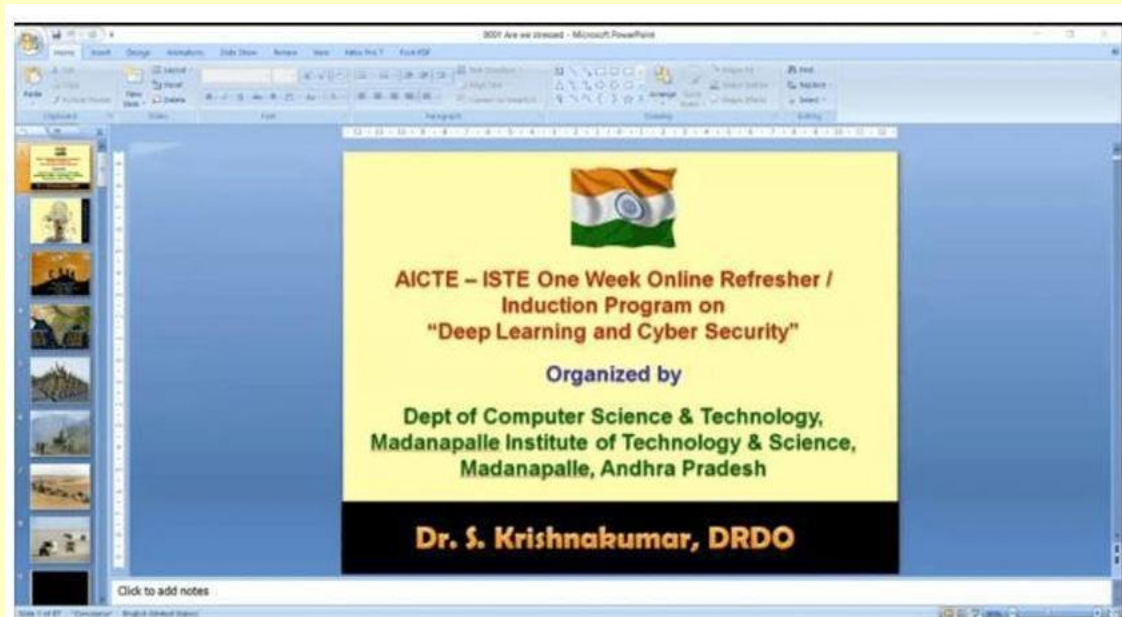
13. A One Day Online Guest lecture on "Latest Trends and Challenges in IT Industry" Organized by CST 10.03.2021.

14. A AICTE-ISTE Sponsored six days workshop on "Deep Learning and Cyber Security"(Phase II) Organized by AICTE – ISTE 05.04.2021 to 10.04.2021.

15. A AICTE-ISTE Sponsored six days workshop on "Deep Learning and Cyber Security"(Phase III) Organized by AICTE – ISTE 17.04.2021 To 22.04.2021.

16. A Webinar on "Web Application Security" Organized by CST 07.05.2021.

17. A One Day Online Guest lecture on "Build your future in Machine Learning and Artificial Intelligence" Organized by CST 21.05.2021.

18. A Webinar on "Technology and Emotional Enrichment" Organized by CST 29.05.2021.

19. A One day Workshop on "Database systems" Organized by CST 07.06.2021.

FACULTY ACHIEVEMENT

Workshops Attended

S.NO	FACULTY NAME	TOPIC	PLACE
1	Dr.M.Sreedevi	Artificial Intelligence and Deep Learning	Bennett University,Noida, India
2	Dr.R.Sendhil	A Structured new strategy of quality enhancement in Revised Accreditation for all Higher Educational Institutions(HE I'S)	Er.Perumal Manimekalai college of Engineering Krishnagiri,Tamilnadu
3	Dr.R.Sendhil	MAT LAB & Applications	MITS,Angallu,Andhra Pradesh
4	Dr.S.Padma	A Structured new strategy of quality enhancement	Er.Perumal Manimekalai college of Engineering Krishnagiri,Tamilnadu
5	Dr.S.Padma	MAT LAB & Applications	MITS,Angallu,Andhra Pradesh
6	N.Prakash	Artificial Intelligence and deep learning	Bennett University,Noida, India
7	N.Prakash	NAAC Assessment and Accreditation: A step by step Process	Chadalawada Ramanamma engineering college, Tirupathi
8	P.Muralidhar	Python Programming Introduction and Beyond:Jupyter Networks	MITS, Madanapalle

Webinar Attended

S.NO	FACULTY NAME	TOPIC	PLACE
1	Dr.T.Kalaipriyan	Essential Mathematics for engineering projects and research-an insight into methodologies	SASTRA Deemed to be university,Thanjavur,TN
2	Dr.T.Kalaipriyan	Mathematical perspectives on computational science and engineering	Ramaiah institute of technology ,Bengaluru, Karnataka
3	T.Kalaipriyan	Introduction to Quantum computing	Cloud X Lab
4	Dr.R.Rajakumar	Essential Mathematics for engineering projects and research-an insight into methodologies	SASTRA Deemed to be university,Thanjavur
5	Dr.R.Rajakumar	Effective body language	Sri Kanyak Parameswari Arts & Science College For Women, TN
6	P.Muralidhar	Star Certified DevOps Expert	Star Certified

FDP/STTP/PDP Attended

S.NO	Faculty Name	Name of the Event	Event Type	No. of Days	Organized BY
1	R.Rajakumar	Introduction to TensorFlow for Artificial Intelligence, Machine Learning, and Deep Learning	Course Certification	One month	Coursera
2	Muralidhar Panthulu	Custom Prediction Routine on Goggle AI Platform	Course Certification	One month	Coursera
3	Aravind Balakrishnan	Software Testing	FDP	12 weeks	NPTEL-AICTE-FDP
4	Dr.R.Sendhil	Big data computing	FDP	12 weeks	NPTEL-AICTE-FDP
5	R.Rajakumar	Machine learning on Recent Trends and Applications phase-II	STTP	7	Srinivasa Ramanujan Institute of Technology, Ananthapuramu, AP
6	K.Surekha	Recent Advancement In Artificial Intelligence & Cloud Computing	FDP	7	Tecnia Institute of Advanced Studies(TIAS), New Delhi
7	M.Anand Kumar	Recent Advancement In Artificial Intelligence & Cloud Computing	FDP	7	Tecnia Institute of Advanced Studies(TIAS), New Delhi
8	S.Thangam	Ethical Hacking	FDP	5	KKR & KSR Institute of Technology, Guntur
9	Mr.C.Reddy Purushotham	Ethical Hacking	FDP	5	KKR & KSR Institute of Technology, Guntur
10	G.Damini	Ethical Hacking	FDP	5	KKR & KSR Institute of Technology, Guntur
11	G.Gowthami	Research and Publication Ethics	FDP	2	Sreenivasa Institute of Technology and Management Ananthapuramu
12	K.Surekha	Research and Publication Ethics	FDP	2	Sreenivasa Institute of Technology and Management Ananthapuramu
13	Dr.R.Raja kumar	Training Program	TP	18	TalentNext
14	G.Damini	Research Trends in Research	FDP	2	SRM Institute of Science & Technology,Vadapalani,Chennai
15	Mr.C.Reddy Purushotham	Research Trends in Research	FDP	2	SRM Institute of Science & Technology,Vadapalani,Chennai
16	Dr.S.Padma	Digital Tranformation Of Modern Business	Foreign Guest Lecturer	1	VIT-AP University

17	D.Suresh	Digital Tranformation Of Modern Business	Foreign Guest Lecturer	1	VIT-AP University
18	D.Suresh	ETL-Data Warehousing Tools	FDP	5	G.Pulla Reddy Engineering College, Kurnool,AP
19	Dr.M.Sreedevi	Recent Advancements in Internet of Things For Health re Applications	STTP	6	Mount Zion College Of Engineering and Technology, TN
20	Dr.R.Raja kumar	Network Simulation Tools	Virtual FDP	5	Reva university, Bangalore
21	Dr.M.sreedevi	Network Simulation Tools	Virtual FDP	5	Reva university, Bangalore
22	Dr.M.Sreedevi	Data Analytics and Machine Learning	STTP	6	Amal Jyothi College Of Engineering, Kerala
23	Dr.Kalaipriyan	Mathematical Modelling and Numerical Techniques	FDP	5	Kakatiya Institute of Technology and Science, Telangana
24	Dr.Kalaipriyan	Deep Learning and Natural Language Processing using modern Tools	FDP	5	Bangalore Institute of Technology , Bangalore
25	Dr.M.Sreedevi	Multidisciplinary Trends in Information Technology	FDP	5	Adichunchanagiri Institute of Technology, Karnataka
26	Dr.R.Rajakumar	International Online Faculty Development Program on Mathematical sciences	FDP	7	VFSTR, Vignan University, AP
27	Dr.K.Dinesh	International Online Faculty Development Program ON Mathematical sciences	FDP	7	VFSTR, Vignan University, AP
28	A.Subramaneswarar Rao	Machine Learning and its applications using Python	FDP	6	MITS With Association with Computer Society of India
29	Dr.Kalaipriyan	Machine Learning and its applications using Python	FDP	7	MITS, Madanapalle
30	Dr.K.Chokkanathan	Data Analytics Using R	FDP	1	Sanketika Vidhya Parishad Engineering College, Vizag, AP
31	Dr.K.Chokkanathan	Python Programming	FDP	4	Koneru Lakshmaiah Education Foundation, AP
32	Dr.K.Chokkanathan	Recent Trends in Artificial Intelligence and soft computing	FDP	6	RMD Engineering College, TN
33	Dr.Rajakumar	Advanced Optimization Techniques and hands-on with MATLAB/SCILAB	FDP	12	Electronics and ICT Academics, Jabalpur,MPAP
34	Dr.K.Chokkanathan	Block Chain Technology	FDP	5	APSSDC

35	Dr.M.Sreedevi	Block Chain Technology	FDP	6	APSSDC
36	Dr.K.Chokkanathan	Challenges in Cyber Crime and enforcement of Cyber Security	FDP	7	Dr.MGR Educational Research Institute, TN
37	A.Subramaneswara Rao	Challenges in Cyber Crime and enforcement of Cyber Security	FDP	7	Dr.MGR Educational Research Institute, TN
38	Dr.K.Chokkanathan	Embracing The Creative Side of Teaching and Learning	FDP	5	RMK College of Engineering and Technology, Chennai
39	Dr.K.Chokkanathan	Advanced Data Science and its Applications	FDP	6	BVRIT Hyderabad
40	Dr.K.Chokkanathan	IBM Cloud Services,Techologies and Appilications	FDP	6	Bharat Institute of Engineering and Technology, TN
41	Dr.K.Chokkanathan	AWS Cloud Computing	FDP	5	APSSDC
42	K.Dinesh	Course structuring ,Teaching and Evaluation in HEI as per OBE	FDP	7	Malla Reddy College of Engineering, Hyderabad
43	K.Dinesh	Block chain Technology	FDP	6	KSRM College Engineering Association with Brain O Vision Solutions, Kadappa, AP
44	Dr.K.Chokkanathan	Emerging Trends and Advancements in Communication Systems-An Industrial Approach	FDP	7	SRM College, TN
45	Dr.R.Sendhil	Emerging Trends and Advancements in Communication Systems	FDP	7	SRM College, TN
46	Dr.N.Praveena	Emerging Trends and Advancements in Communication Systems	FDP	7	SRM College, TN
47	A.Subramaneswara Rao	Emerging Trends and Advancements in Communication Systems	FDP	7	SRM College, TN
48	Dr.K.Dinesh	Cyber Security	FDP	5	Bapatla Engineering College Association with Supraja Technology,Bapatla
49	Muralidhar Panthula	Internet of Things	FDP	13	APSSDC
50	Dr.S.Padma	Advanced Natural Language Processing	FDP	5	Bapatla Engineering College Association with Supraja Technology,Bapatla
51	Dr.M.Sreedevi	Cyber Security	FDP	5	Sreenidhi Institute of Science and Technology Hyderabad.

JOURNAL REVIEWERS

S.No	Faculty Name	Year	Name of the Journal
1	Dr.R Raja kumar	2021	IEEE Internet of things
2	Dr.R.Sendhil	2021	Journal Of Parallel And Distribution Computing
3	Dr.R.Sendhil	2021	Advances in Engineering Software
4	Dr.R.Sendhil	2021	Journal of Ambient Intelligence and Humanized Computing

SESSION CHAIR

S.No	Faculty Name	Date	Topic	Place
1	Dr.S.Padma	06-04-2021 to 12-04-2021	Emergining Trends on IoT	Guru Nanak Institutions Technical Campus Hyderabad(GNITC), Hyderabad
2	Dr. M.Sreedevi	06-04-2021 to 12-04-2021	Emergining Trends on IoT	Guru Nanak Institutions Technical Campus Hyderabad(GNITC), Hyderabad
3	Dr. M.Sreedevi	17-03-2021 to 23-03-2021	Emergining Trends on IoT	Guru Nanak Institutions Technical Campus Hyderabad(GNITC), Hyderabad

RESOURCE PERSON/GUEST LECTURER DELIVERED

S.No	Faculty Name	Date	Topic	Place
1	Dr.R.Sendhil	24-05-2021 to 29-05-2021	Emerging Trends in Information Technology	Mailam Engineering College, Chennai, TN
2	Dr.R.Sendhil	05-04-2021 to 10-04-2021	Deep Learning & Cyber Security- Phase-II	MITS, Madanapalle
3	Dr.K.Chokkanathan	12-03-2021	Artificial Intelligence in Robotics	Dr.N.G.P Arts & Science College, TN
4	Dr.K.Chokkanathan	16-02-2021	Role of Artificial intelligence in robotics	Rajagopal Polytechnic College,Gudiyattam, TN
5	Dr.K.Chokkanatham	22-01-2021	Block chain technology	Marudhar Kesari Jain College for Women, TN
6	Dr.K.Chokkanatham	05-07-2020	Usage of block chain technology in various domains	Higher College of technology , Muscat
7	Mr.Muralidhar.P	9-06-2020 to 30-06-2020	Tensor Flow 2.0 with Python in the National Virtual workshop on Data Science & Machine Learning	Pondicherry University (Central University)

PATENT FILED

S.NO	Faculty Name	Title of Invention	Application Number	Published
1	Dr.K.Chokkanathan	Advanced Technology in Smart city, Global transportations and logistics using AI	202141006348	2021
2	Dr.K.Chokkanathan	Intelligent Connectivity Driving using vehicular Ad-hoc networks for further transportation	202111004715	2021
3	Dr.K.Chokkanathan	ATM card authentication system for online banking using smartphone	202041015194	2020

FACULTY RESEARCH PUBLICATIONS

1. R. Rajakumar , Kaushik Sekaran , Ching-Hsien Hsu , Seifedine Kadry .Accelerated grey wolf optimization for global optimization problems.Technological Forecasting and Social Change, Volume 169. https://doi.org/10.1016/j.techfore.2021.120824

2. Kalaipriyan Thirugnanasambandam, Raju Anitha, Vamsidhar Enireddy, R. S. Raghav, Dinesh Kumar Anguraj & Amirthasaravanan Arivunambi. Pattern mining technique derived ant colony optimization for document information retrieval. J Ambient Intell Human Comput https://doi.org/10.1007/s12652-020-02760-y

3. Kalaipriyan Thirugnanasambandam , S.V. Sudha , D. Saravanan , Renjith V. Ravi , Dinesh Kumar Anguraj , R.S. Raghav .Reinforced Cuckoo Search based fugitive landfill methane emission estimation, Environmental Technology & Innovation Volume 21, https:// doi.org/ 10.1016/j.eti.2020.101207.

4. R. S. Raghav, U. Prabu, M. Rajeswari, D. Saravanan & Kalaipriyan Thirugnanasambandam. Cuddle death algorithm using ABC for detecting unhealthy nodes in wireless sensor networks, Evolutionary Intelligence ,Volume 15, pages 1605–1617, (2022) https:// doi.org/ 10.1007 /s12065-021-00570-5.

5. M. Rajeswari, Kalaipriyan Thirugnanasambandam, R. S. Raghav, U. Prabu, Devaraj Saravanan & Dinesh Kumar Anguraj. Flower Pollination Algorithm with Powell's Method for the Minimum Energy Broadcast Problem in Wireless Sensor Network. Wireless Pers Commun 119, 1111–1135 (2021). https://doi.org/10.1007/s11277-021-08253-1.

6. Kumar, S.A.P., Suresh, A., Anand, S.R. et al. Hybridization of Mean Shift Clustering and Deep Packet Inspected Classification for Network Traffic Analysis. Wireless Pers Commun 127, 217–233 (2022). https://doi.org/10.1007/s11277-021-08208-6

7. Saravanan, D., Rajakumar, R., Sreedevi, M. et al. Multi-objective swarm-based model for deploying virtual machines on cloud physical servers. Distrib Parallel Databases 41, 75–93 (2023). https://doi.org/10.1007/s10619-021-07341-2

8. Muralidhar Pantula, K S Kuppusamy.A Machine Learning-Based Model to Evaluate Readability and Assess Grade Level for the Web Pages,The Computer Journal, Volume 65, Issue 4, April 2022, Pages 831–842, https://doi.org/10.1093/comjnl/bxaa113

9. Roopashree L R, Dr. M. Sreedevi. (2020). Malware Recognition and Pattern Classification Using NLP. International Journal of Advanced Science and Technology, 29(6s), 217 - 223. Retrieved from http://sersc.org/journals/index.php/IJAST/article/view/8748

10. R. Rajakumar, K. Dinesh, Ankur Dumka, Jayakumar L.RFA Reinforced Firefly Algorithm to Identify Optimal Feature Subsets for Network IDS, International Journal of Grid and High Performance Computing (IJGHPC) 12(3) Pages: 20 DOI: 10.4018/IJGHPC.2020070105

11. Dr. S. Muthukumaran, R Rajakumar, K Dinesh .Clustering With Classification Based Identification On Diabetics Disease To Avoid Blindness In Early Stage INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH VOLUME 9, ISSUE 02.

12. Kalaipriyan Thirugnanasambandam, Raghav R.S., Jayakumar Loganathan, Ankur Dumka, Dhilipkumar V. Optimal path planning for intelligent automated wheelchair using DDSRPSO International Journal of Pervasive Computing and Communications,ISSN: 1742-7371,10.1108/IJPCC-05-2020-0033

13. K. Maharajan, S. Thangam, G. Visalaxi, A. Shenbagarajan, M. Jayalakshmi. Quantum Inspired Membrane Computing to Enhance Security in Cloud Network, Solid State Technology, Vol. 63 No. 6 ,DOI:10.1007/s11227-018-2629-6

14. K. Dinesh, R. Rajakumar and R. Subramanian. Self-organisation migration technique for enhancing the permutation coded genetic algorithm, International Journal of Applied Management Science, Volume 13Issue 1.pp 15-36 https:// doi.org/ 10.1504/ IJAMS. 2021.113372

15. M.AYYADURAI, Dr.S.VARALAKSHMI, Dr.K.CHOKKANATHAN,K. SENTHIL KUMAR.SIGNATURE BASED KEY AUTHENTICATION PROTOCOL FOR WIRELESS BODY SENSOR NETWORKS , European Journal of Molecular & Clinical Medicine,ISSN 2515-8260 ,Volume 7, Issue 3,

16. P. Shanmugaraja, K. Chokkanathan, P. Ilanchezhian.DEEP PACKET INSPECTION USING HYBRID CLASSIFIER FOR UNKNOWN TRAFFIC FLOWS IN THE INTERNET,ICTACT Journal On Communication Technology, https:// doi.org/ 10.21917/ijct.2021.0345.

17. Shanmugaraja P, Chokkanathan K, Thangaraj K, Ilanchezhian P, Balakrishnan N. Plant Identification and Classification Using Multiwavelet Transform. Annals of the Romanian Society for Cell Biology, 4295—4300. Retrieved from https:// annalsofrscb.ro/ index.php/journal/article/view/5444

18. Siva ShankarShanmugaraja P.Shanmugaraja P.Nandakumar Nandakumar Sd Chokkanathan Kothandapani,A SMART ROBOTIC BASED GARBAGE/SEWAGE MANAGEMENT SYSTEM USING IOT,Turkish Journal of hysiotherapy and Rehabilitation, https:// doi// 10.1109/ ICCMC.2019.8819776

BOOK CHAPTER PUBLICATIONS

1. Dr. S. Padma,Assessment Tools for Mapping Learning Outcomes With Learning Objectives,Imparting OBE to the Younger Generation, ISBN/ISSN 978-1-7998-4784-7, IGI Global

STUDENT ACHIEVEMENT

Participation Details of Students in different events Organized by other institute Within the state - Assessment Year 2020 - 2021

S.No	Roll Number	Name of the Student	Name of the Event	Organized by	Date
1.	18691A2836	G.Purna Manikanta	5 Days Workshop on Emerging Trends 2.0	BIT Institute of Technology, Hindpur, Andhra Pradesh	10.05.2021 to 14.05.2021
2.	18691 A2810	T.Harsha Vardan Reddy	5 Days Workshop on Emerging Trends 2.0	BIT Institute of Technology, Hindpur, Andhra Pradesh	10.05.2021 to 14.05.2021
3.	18691A2824	B Mounika	5 Days Workshop on Emerging Trends 2.0	BIT Institute of Technology, Hindpur, Andhra Pradesh	10.05.2021 to 14.05.2021
4.	18691A2835	P Pravallika	Workshop on Emerging Trends 2.0	BIT Institute of Technology, Hindpur, Andhra Pradesh	10.05.2021 to 14.05.2021
5.	18691A2802	K Akshitha	Workshop on Emerging Trends 2.0	BIT Institute of Technology, Hindpur, Andhra Pradesh	10.05.2021 to 14.05.2021
6.	19691A2821	Chandrasekhar M	Workshop on Emerging Trends 2.0	BIT Institute of Technology, Hindpur	10.05.2021 to 14.05.2021

7.	19691A2859	Lakshmi Sai Naandha Reddy	Workshop on Emerging Trends 2.0	BIT Institute of Technology, Hindpur, Andhra Pradesh	10.05.2021 to 14.05.2021
8.	19691A2860	Likith Kumar G	Workshop on Emerging Trends 2.0	BIT Institute of Technology, Hindpur, Andhra Pradesh	10.05.2021 to 14.05.2021
9.	19691A2836	Girishma G	Workshop on Emerging Trends 2.0	BIT Institute of Technology, Hindpur, Andhra Pradesh	10.05.2021 to 14.05.2021
10.	18691A2807	N Chandana	One Week National Workshop on AI & ML	Chalapathi Institute of Engineering & Technology, Andhra Pradesh	13.07.2020 to 18.07.2020
11.	18691A2830	E Niveditha	One Week National Workshop on AI & ML	Chalapathi Institute of Engineering & Technology, Andhra Pradesh	13.07.2020 to 18.07.2020
12.	18691A2817	D Kiran Tej	One Week National Workshop on AI & ML	Chalapathi Institute of Engineering & Technology, Andhra Pradesh	13.07.2020 to 18.07.2020
13.	18691A2820	Y Lokesh	One Week National Workshop on AI & ML	Chalapathi Institute of Engineering & Technology, Andhra Pradesh	13.07.2020 to 18.07.2020
14.	18691A2813	K Kavya	One Week National Workshop on AI & ML	Chalapathi Institute of Engineering & Technology, Andhra Pradesh	13.07.2020 to 18.07.2020
15.	19691A28E3	Sravan Kumar G	One Week National Workshop on AI & ML	Chalapathi Institute of Engineering & Technology, Andhra Pradesh	13.07.2020 to 18.07.2020
16.	19691A28D2	Shafiya Kousar M S	One Week National Workshop on AI & ML	Chalapathi Institute of Engineering & Technology, Andhra Pradesh	13.07.2020 to 18.07.2020
17.	19691A2833	Dinesh P	One Week National Workshop on AI & ML	Chalapathi Institute of Engineering & Technology, Andhra Pradesh	13.07.2020 to 18.07.2020
18.	19691A2804	Akhil S	One Week Workshop on AI & ML	Chalapathi Institute of Engineering & Technology, Andhra Pradesh	13.07.2020 to 18.07.2020
19.	19691A2815	Bhanu Prakash Reddy M	One Week National Workshop on AI & ML	Chalapathi Institute of Engineering & Technology, Andhra Pradesh	13.07.2020 to 18.07.2020

Participation Details of Students in different events Organized by other institute Outside the state - Assessment Year 2020 - 2021					
S.No	Roll Number	Name of the Student	Name of the Event	Organized by	Date
1.	18691A2822	Mohammad Naeem	One Day Webinar on Blockchain Technology	PRINCETON Institute of Engineering & Technology for Women, Malkajgiri, Telangana.	30.07.2020
2.	18691A2844	B Sailaja	One Day Webinar on Blockchain Technology	PRINCETON Institute of Engineering & Technology for Women, Malkajgiri, Telangana.	30.07.2020
3.	18691A2807	N Chandana	One Day Webinar on Blockchain Technology	PRINCETON Institute of Engineering & Technology for Women, Malkajgiri, Telangana.	30.07.2020
4.	18691A2843	G Saiesha	One Day Webinar on Blockchain Technology	PRINCETON Institute of Engineering & Technology for Women, Malkajgiri, Telangana.	30.07.2020

5.	18691A2857	M Thoyaz kumar	One Day Webinar on Blockchain Technology	PRINCETON Institute of Engineering & Technology for Women, Malkajgiri, Telangana.	30.07.2020
6.	19691A2852	Jyothi G	One Day Webinar on Blockchain Technology	PRINCETON Institute of Engineering & Technology for Women, Malkajgiri, Telangana.	30.07.2020
7.	19691A2835	Gayathri N G	One Day Webinar on Blockchain Technology	PRINCETON Institute of Engineering & Technology for Women, Malkajgiri, Telangana.	30.07.2020
8.	19691A2853	Keerthi B	One Day Webinar on Blockchain Technology	PRINCETON Institute of Engineering & Technology for Women, Malkajgiri, Telangana.	30.07.2020
9.	19691A2851	Jyothi Priya B	One Day Webinar on Blockchain Technology	PRINCETON Institute of Engineering & Technology for Women, Malkajgiri, Telangana.	30.07.2020
10.	19691A28E8	Sreeja A	One Day Webinar on Blockchain Technology	PRINCETON Institute of Engineering & Technology for Women, Malkajgiri, Telangana.	30.07.2020
11.	18691A2854	P Tarun	One Day Webinar on Opportunities for Fresher's in Data Analytics Industry	SNS Institutions, Saravanampatti, Coimbatore, Tamilnadu.	30.07.2020
12.	18691A2853	K Swetha	One Day Webinar on Opportunities for Fresher's in Data Analytics Industry	SNS Institutions, Saravanampatti, Coimbatore, Tamilnadu.	30.07.2020
13.	18691A2820	B Sunayana	One Day Webinar on Opportunities for Fresher's in Data Analytics Industry	SNS Institutions, Saravanampatti, Coimbatore, Tamilnadu.	30.07.2020
14.	18691A2852	D Reddy Soumya	One Day Webinar on Opportunities for Fresher's in Data Analytics Industry	SNS Institutions, Saravanampatti, Coimbatore, Tamilnadu.	30.07.2020
15.	18691A2837	D Naga Surekha	One Day Webinar on Opportunities for Fresher's in Data Analytics Industry	SNS Institutions, Saravanampatti, Coimbatore, Tamilnadu.	30.07.2020
16.	18691A2825	Keerthi Reddy B	One Day Webinar on Opportunities for Fresher's in Data Analytics Industry	SNS Institutions, Saravanampatti, Coimbatore, Tamilnadu.	30.07.2020
17.	19691A2853	Aehithi Shyam P B	One Day Webinar on Opportunities for Fresher's in Data Analytics Industry	SNS Institutions, Saravanampatti, Coimbatore, Tamilnadu.	30.07.2020
18.	19691A2803	Devayani G B	One Day Webinar on Opportunities for Fresher's in Data Analytics Industry	SNS Institutions, Saravanampatti, Coimbatore, Tamilnadu.	30.07.2020
19.	19691A2829	Deepthi C B	One Day Webinar on Opportunities for Fresher's in Data Analytics Industry	SNS Institutions, Saravanampatti, Coimbatore, Tamilnadu.	30.07.2020

EDOTPRIAL BOARD

Chief Editor

Dr. M. Sreedevi

Professor

HOD DEPT OF CST

Faculty Editor(s)

Dr. K. Dinesh

Associate Professor

DEPT OF CST

Dr. Rajakumar R

Associate Professor

DEPT OF CST

Student Editor(s)

A.Sai Vishal (1969A28C4)
O. Narmada (1969A2877)
A.Sai Devika (1969A28C0)
A.Saideepak (1969A28B9)

MITS
MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS)
Estd 1998