

1 Name of Faculty Dr. S. RAKESH
 2 Designation Assistant Professor
 3 Nature of Job/Appointment Regular
 4 Date of Joining 24 - 06 - 2019
 5 E-mail srakesh_it@cbit.ac.in



6 Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (CSE)	Awarded
PG	M. Tech. (SE)	Distinction
UG	B. Tech. (CSE)	First

7 Work Experience

Teaching	12 Years
Research	07 years
Industry	--
Others	--

8 Area of Specialization Internet of Things, Computer Vision, Data Analytics, Machine Learning

9 Professional Memberships
 ISTE : LM 95598
 MIEEE : 99484302

10 Responsibilities held at Institution Level

1. Coordinator- CBIT-Cyber Security Club
2. Member, Institute PRO Committee
3. Member, Institute CDC
4. Member, Institute Anti-Ragging Squad 2023
5. Tecstasy-2024 Coordinator

11 Responsibilities held at Department Level

1. CIE Marks In-Charge
2. Class Teacher
3. NBA Result Analysis In-Charge
4. Newsletter In-Charge
5. Member, Internal Audit Team
6. Timetable In-Charge
7. Mandatory Disclosure In-Charge
8. Member, Course Expert Group
9. Website Coordinator 2017-18 to 2018-19

12 Research Guidance --

13 Awards Received --

14 Courses Handled at Under Graduate / Post Graduate Level.
 Data Structures, Big Data Analytics, Cyber Security, Design and Analysis of Algorithms, Mobile Computing, Computer Organization and Microprocessors, Embedded Systems and Internet of Things, Python Programming, Automata Theory and Compiler Design, Unix and Shell Programming, Data Analysis using R Programming, Operating Systems, Digital Electronic Logic Design, C Programming and Data Structures, Computer Graphics, Business Intelligence.

15 No. of Papers Published
 National Journals – International Journals – 15
 National Conference – 01 International Conference – 14

16 Projects Carried out --

17 Patents

1. Application Number : 202241032967
 Date of Publishing : 28.06.2022
 Title of the Invention : "AI Enabled Framework for Detection of Cardiovascular Diseases"
 Status : Published
2. Application Number : 2021104482
 Date of Publishing : 23.07.2021

		Title of the Invention : "A Sign Language Recognition Method Using Convolutional Neural Network" Status : Published
18	Technology Transfer	1. Delivered a lecture on "Importance of Cyber Security" to the BE (CSE, IT, AIML, CSE(AIML), AI&DS and CET) students of CBIT on 16-06-2023 from 3.00 PM to 4.00PM.
19	Invited Speaker	--
20	No. of Books/Chapter Published with details	<ol style="list-style-type: none"> 1. Pandu Ranga Vital Terlapu, D. Jayaram, S. Rakesh, M. Venu Gopalachari, B V Ramana, Naresh Tangudu, Kishore Raju Kalidindi "Optimizing Chronic Kidney Disease Diagnosis in Uddanam: A Smart Fusion of GA-MLP Hybrid and PCA Dimensionality Reduction", Procedia Computer Science, Volume 230, 2023, Pages 522-531, ISSN 1877-0509, https://doi.org/10.1016/j.procs.2023.12.108. (Science Direct - Scopus) 2. Rakesh, S., Hegde, N.P. (2023). EDAMOD: Edge Detection and Moving Object Detection Algorithm to Control Traffic Lights Dynamically. In: Kumar, A., Ghinea, G., Merugu, S. (eds) Proceedings of the 2nd International Conference on Cognitive and Intelligent Computing. ICCIC 2022. Cognitive Science and Technology. Springer, Singapore. https://doi.org/10.1007/978-981-99-2742-5_47 (Springer - Scopus) 3. Rakesh, S., Venu Gopalachari, M., Jayaram, D., Gupta, I., Agarwal, K., Nishanth, G. (2023). A Review on Sign Language Recognition Techniques. Proceedings of the 2nd International Conference on Cognitive and Intelligent Computing. ICCIC 2022. Cognitive Science and Technology. Springer, Singapore. https://doi.org/10.1007/978-981-99-2742-5_32 (Springer - Scopus) 4. Pyaraka, S.C.R., Lanka, S.S., Konanki, P., Venu Gopalachari, M., Rakesh, S., Jayaram, D. (2023). Review on 3D Model Generation Through Natural Language and Image Processing. Proceedings of the 2nd International Conference on Cognitive and Intelligent Computing. ICCIC 2022. Cognitive Science and Technology. Springer, Singapore. https://doi.org/10.1007/978-981-99-2742-5_33 (Springer - Scopus) 5. Jayaram, D., Rakesh, S., Venu Gopalachari, M., Gaddam, S., Kranthi Kumar Reddy, B., Pulluri, P.S. (2023). Student Monitoring System Using Deep Learning. Proceedings of the 2nd International Conference on Cognitive and Intelligent Computing. ICCIC 2022. Cognitive Science and Technology. Springer, Singapore. https://doi.org/10.1007/978-981-99-2742-5_48 (Springer - Scopus) 6. Rakesh, S., Aluvala, K., Aqeel, S.K.M., Harika, M. (2023). Survey on Estimation of Body Mass Index Using Facial Images. In: Kumar, A., Ghinea, G., Merugu, S. (eds) Proceedings of the 2nd International Conference on Cognitive and Intelligent Computing. ICCIC 2022. Cognitive Science and Technology. Springer, Singapore. https://doi.org/10.1007/978-981-99-2742-5_37 (Springer - Scopus) 7. Aravinda, V.K., Rakesh, S., Hussain, H., Yarlagadda, R., Reddy, K. (2023). Animal Encroachment Detection in Farms: A Survey. In: Kumar, A., Ghinea, G., Merugu, S. (eds) Proceedings of the 2nd International Conference on Cognitive and Intelligent Computing. ICCIC 2022. Cognitive Science and Technology. Springer, Singapore. https://doi.org/10.1007/978-981-99-2742-5_44 (Springer - Scopus) 8. Rakesh, S., Hegde, N.P. (2023). Calculating the Traffic Density of Real-Time Video Using Moving Object Detection. In: Kumar, A., Mozar, S., Haase, J. (eds) Advances in Cognitive Science and Communications. ICCCE 2023. Cognitive Science and Technology. Springer, Singapore. https://doi.org/10.1007/978-981-19-8086-2_90 (Springer - Scopus)

9. S. Rakesh, M. Venu Gopalachari, G. Kiran Kumar; Automatic music genre classification using deep learning. AIP Conf. Proc. 5 September 2023; 2754 (1): 070012. <https://doi.org/10.1063/5.0161104> **(AIP - Scopus)**
 10. G. Kiran Kumar, D. Malathi Rani, M. Venu Gopalachari, S. Rakesh, Syed Ashraf; Melanoma classification using convolutional neural network. AIP Conf. Procr 2023; 2754 (1): 070019. <https://doi.org/10.1063/5.0162544> **(AIP- Scopus)**
 11. S. Rakesh and Dr. Nagaratna P. Hegde, "Calculating the Traffic Density of Real-Time Video Using Moving Object Detection" In: Kumar, A., Mozar, S., Haase, J. (eds) Advances in Cognitive Science and Communications. ICCCE 2022. Cognitive Science and Technology. Springer, Singapore. https://doi.org/10.1007/978-981-19-8086-2_90 **(Springer - Scopus)**
 12. S. Rakesh and Dr. Nagaratna P. Hegde, "Real-Time Area-Based Traffic Density Calculation Using Image Processing for Smart Traffic System" In: Satapathy, S.C., Bhateja, V., Favorskaya, M.N., Adilakshmi, T. (eds) Smart Computing Techniques and Applications. Smart Innovation, Systems and Technologies, vol 225. Springer, Singapore.2021. https://doi.org/10.1007/978-981-16-0878-0_28 **(Springer - Scopus)**
 13. Published a book chapter Titled "Sign Language Recognition using Convolutional Neural Networks" in the Book Titled J. S. Raj et al. (eds.), Innovative Data Communication Technologies and Application, Lecture Notes on Data Engineering and Communications Technologies 59, https://doi.org/10.1007/978-981-15-9651-3_58. **(Springer - Scopus)**
1. Organized a "One Week Online Student Workshop on Orientation of Latest Technologies" for the students of BE during 29th Jan 2024 to 03rd Feb 2024.
 2. Organized a one-day hands-on session on "Data Science Life Cycle – A case study-based approach" V Semester students of BE (CSE, IT, AIML, CSE(AIML), AI&DS and CET) on 25th October 2023 from 10.00 AM to 04.00 PM in the TPO Lab-2, above canteen.
 3. Organized a session "Bootcamp on Information Security" to the III & V semester students of BE on 17th October 2023 from 1.00 PM to 4.00 PM in the Assembly Hall above canteen.
 4. Organized an "Awareness Session on Cybersecurity: Scope in Careers and Entrepreneurship" to all the III & V semester students of BE (CSE, IT, AIML, CSE (AIML), AI&DS and CET) on 26th September 2023 in the Assembly Hall above canteen, 10.00AM to 11.15AM and 11.30AM to 12.45PM.
 5. Organized a session on "Grooming Program of Cybersecurity as per the Industry Standards" to all the V semester students of BE (CSE, IT, AIML, CSE(AIML), AI&DS and CET) on 14th September 2023 from 1.00 PM to 2.00 PM in the Assembly Hall above canteen.
 6. Organized a session on "Grooming Program of Cybersecurity as per the Industry Standards" to all the III semester students of BE (CSE, IT, AIML, CSE(AIML), AI&DS and CET) on 14th September 2023 from 11.00 AM to 12.00 PM in the Assembly Hall above canteen.
 7. Organized an "Interactive session with CyberGuru Ajinkya" as part of the CBIT-Cybersecurity-Club (CCC) inaugural event on 14-07-2023 from 9.30 AM to 11.30 AM in the N-Block Seminar Hall.
 8. Organized "CBIT Cybersecurity Club Logo Design Contest" on 14-07-2023.

9. Faculty co-coordinator for 5 days “MDP on Analytics Data Driven Decision Making Systems” organized by Department of IT, CBIT, Sponsored by MSME during 13-17 March 2023.
10. Coordinated a 5 Day National level Hands-on Workshop on “Cyber Security”, organized by Department. of CSE and Department of IT, Chaitanya Bharathi Institute of Technology(A), Hyderabad during 16/05/2022 to 20/05/2022.
11. Organized Cyber Security Orientation Program on 31st January 2020, 1.00 PM to 4.00 PM in Assembly Hall.
12. Organized Cyber Security Orientation Program on 17th Feb 2020, 11.10 AM to 12.10 PM in Assembly Hall.
13. Organized Cyber Security Poster Presentation Contest on 19th Feb 2020 in Assembly Hall.
14. Organized a 2 day workshop “Django” during 13-14 September 2019.
15. Faculty coordinator for a 2 day national level technical symposium - Tecstasy 2019, organized during 13-14 September 2019.
1. S. Rakesh has Participated in the AICTE Recognized Faculty Development Programme on “Deep Learning” Conducted by Computer Science and Engineering Department from 11/09/2023 to 15/09/2023 (One Week) at Mahatma Gandhi Institute of Technology, Hyderabad.
2. S. Rakesh has participated in International FDP on “Advances in Machine Learning, Image Processing and Natural Language Processing” organized by the Department of Information Technology, School of Engineering & Technology, Dimapur from 16th August – 21st August 2023 and obtained Grade A.
3. S. Rakesh has actively participated in the five days Faculty Development Program on “Research Methodology on Machine Learning and Data Science” held during 10th July, 2023 to 14th July, 2023, organized by Department of CSE (DS), CSE (AI&ML) and AI&DS, B V Raju Institute of Technology, Narsapur, Telangana, India.
4. S. Rakesh has participated in National Level One Week FDP on “Recent Trends in Data Science for Engineering” organized by Department of Information Technology, Chaitanya Bharathi Institute of Technology, Hyderabad, Telangana in association with CBIT IEEE-RAS student branch chapter from 26th June 2023 to 30th June 2023.
5. S. Rakesh has Participated in one week FDP on “Data Science in Engineering” organized by NITTTTR Kolkata from 5th June to 9th June 2023.
6. S. Rakesh has Participated in Online Short-Term Course on “Machine Learning and Applications” conducted by the Dept. of CSE, NIT Warangal and Dept. of CSE, KG Reddy College of Engineering & Technology Hyderabad in collaboration with CCE, NIT Warangal from 29-05-2023 to 02-06-2023.
7. S. Rakesh has Participated in a 5 Day National level Hands-on Workshop on “Cyber Security”, organized by Department. of CSE and Department of IT, Chaitanya Bharathi Institute of Technology(A), Hyderabad during 16/05/2022 to 20/05/2022.
8. S. Rakesh has participated in 5 days International workshop on “Building Data driven Solutions using Data Analytics with ML and DL Algorithms” organized by the Department of Computer Science and Engineering, CBIT(A), Hyderabad from 24-June-2021 to 28-June-2021.
9. S. Rakesh has participated in 5 days Faculty Development Webinar on “Intelligent Systems for Sustainable development” organized by the Department of Computer Science and Engineering and Information Technology, St

Peter's Engineering College, Hyderabad from 08-June-2021 to 12-June-2021.

10. S. Rakesh has participated in one week online National level FDP on "Role of Mathematics in Latest Engineering Trends" organized by the Department of Mathematics, under department of Science and Humanities Lord's Institute of Engineering and Technology, Hyderabad from 04-June-2021 to 10-June-2021.
11. S. Rakesh has participated in one week online FDP on "IPR & Patent Prosecution" organized by the Department of Computer Science and Engineering in association with Institution Innovation Council (IIC), MVSREC, Hyderabad from 24-May-2021 to 28-May-2021.
12. S. Rakesh has participated in the National Webinar on "Quality Enhancement Techniques" organized by IQAC, AV College of Arts, Science and Commerce held on 12th September 2020.
13. S. Rakesh has participated in one week online FDP on "Cyber Security in Practical Aspects" organized by department of CSE, Vasavi College of Engineering in association with Indian Servers during 1st September 2020 to 5th September 2020.
14. S. Rakesh has participated in Webinar on "From Data to Insights" organized by Department of CSE , University College of Engineering(A), Osmania University, sponsored by TEQIP III on 5th September 2020.
15. Successfully completed "Convolutional Neural Networks" an online non-credit course authorized by deeplearning.ai and offered through Coursera.
16. Successfully completed "Structuring Machine Learning Projects" an online non-credit course authorized by deeplearning.ai and offered through Coursera.
17. Successfully completed a project-based online course on "Machine Learning using Python" organized by Skyfi labs.
18. S. Rakesh has participated in Amrita – Hebeon Online Webinar cum Workshop on "Data Science using Python" for faculty members using Microsoft Teams platform Organized by Amrita college of Engineering and Technology, Nagarcoil and Hebeon Technologies, Hyderabad during 17th June to 25th June 2020.
19. S. Rakesh has participated in Five days National Level online Faculty Development Programme (FDP) on "PERL SCRIPTING" organized by the Department of Computer Science and Engineering, in association with Spoken Tutorial IIT-Bombay from 10th June to 14th June 2020.
20. S.Rakesh has attended ATAL academy online FDP on CYBER SECURITY from 18-05-2020 to 22-05-2020 at NIT Warangal.
21. S.Rakesh has successfully completed Faculty Awareness Program on NAAC Accreditation organized by RD's Shri Chhtrapati Shivajiraje College of Engineering , Dhanganwadi, Pune 412206 conducted online during the period of 10/05/2020 to 15/05/2020.
22. S. Rakesh has participated in MeitY, Govt. of India, Sponsored One Week Faculty Development Programme (FDP) on "Deep Learning and Its Applications" organized by the E&ICT Academy , NIT Warangal at Vasavi College of Engineering (Autonomous), Hyderabad from 25th – 30th November 2019.
23. S. Rakesh has participated in the "2-Day Rural Immersion Training Programme on Swachhatha Action Plan and Community Engagement" held on 14th and 15th November 2019, organized by Mahatma Gandhi National Council of Rural Education, Hyderabad in collaboration with Chaitanya Bharathi Institute of Technology (Autonomous), Hyderabad, Telangana.

24. S. Rakesh has participated in "Research Day" and presented a paper entitled "Facial Emotion Detection using Convolution Neural Networks" on 23rd August 2019 at Chaitanya Bharathi Institute of Technology (Autonomous), Hyderabad, Telangana.
25. S. Rakesh has participated in the Pre-Conference Tutorial conducted on Saturday, 10.08.2019, on the occasion of ensuing 4th "International Conference on Vedic Mathematics –ICVM19" to be organized by Geervana Bharathi – Sanskrit club of CBIT(A) from 29th – 31st August 2019.

International Journals

1. S. Rakesh, Nagaratna P. Hegde, M. Venu Gopalachari, D. Jayaram, Bhukya Madhu, Mohd Abdul Hameed, Ramdas Vankdothu, L.K. Suresh Kumar, Moving object detection using modified GMM based background subtraction, Measurement: Sensors, Volume 30,2023,100898,ISSN 2665-9174,https://doi.org/10.1016/j.measen.2023.100898. (Elsevier-Scopus)
2. Venu Gopalachari, Mukkamula, Gupta, Sangeeta, Rakesh, Salakapuri, Jayaram, Dharmana and Venkateswara Rao, Pulipati. "Aspect-based sentiment analysis on multi-domain reviews through word embedding" Journal of Intelligent Systems, vol. 32, no. 1, 2023, pp. 20230001. https://doi.org/10.1515/jisys-2023-0001 (Degruyter-Scopus)
3. S. Rakesh and Dr. Nagaratna P. Hegde, "A New Method to Control Traffic Congestion by Calculating Traffic Density", International Journal of Intelligent Systems and Applications in Engineering, vol. 10, no. 1s, pp. 01–08, Oct. 2022. (Scopus)
4. S. Rakesh and Dr. Nagaratna P. Hegde, "A Framework for Intelligent Traffic Control System", International Journal of Engineering Trends and Technology, vol. 70, no. 7, pp. 88-93, 2022. Crossref, https://doi.org/10.14445/22315381/IJETT-V70I7P210 (Scopus)
5. S. Rakesh published a paper "Fake face image detection using feature network" in the International Journal of Health Sciences, ISSN:2550-6978, 6(S4), 3027-3039.
6. S. Rakesh published a paper "Enabling effective location-based services for road networks using spatial mining" in the International Journal of Health Sciences,ISSN:2550-6978, 6(S5), 5174-5188.
7. S. Rakesh published a paper "Speed Checker and Reporting System" in the International Journal of Health Sciences, ISSN:2550-6978, 6(S4), 3027-3039.
8. S. Rakesh published a paper "Brain Tumor detection with Deep Learning on MRI Image Dataset" in the International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; Vol. 9, Issue VI, Jun 2021; 2144-2148.
9. S. Rakesh published a paper "Hash Tag Generation with Transfer Learning" in the International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; Vol. 9, Issue VI, Jun 2021;
10. S. Rakesh published a paper "SMART IRRIGATION AND LEAF DISEASE DETECTION USING IOT AND CNN" in the International Journal of Computer Science and Engineering (IJCSE) ISSN(P): 2278–9960; ISSN(E): 2278–9979 Vol. 10, Issue 1, Jan–Jun 2021; 75–84.
11. S. Rakesh published a paper "Smart Wearable Device for Women Safety using IoT" in the Proceedings of the Fifth International Conference on Communication and Electronics Systems (ICCES 2020) IEEE Conference Record # 48766; IEEE Xplore ISBN: 978-1-7281-5371-1. (Scopus)
12. S. Rakesh published a paper "An overview on Vehicle Detection and Classification System by Gaussian Mixture Models" in International Journal of Scientific Research in Science and Technology (IJSRST) Volume 7 – Issue 3, May-June 2020, pp.485-491 (Scopus)
13. S. Rakesh published a paper "Automatic Traffic Density Estimation and Vehicle Classification Method using Neural Network" in open access International Journal of Scientific & Technology Research (IJSTR) Volume 8 – Issue 11, December 2019, pp.601-604.
14. S. Rakesh Published a paper "Facial Emotion Detection using Convolutional Neural Networks" in International Journal of Computer Science and Engineering (IJCSE), Volume 8, Issue 3, Apr-May 2019.
15. S. Rakesh Published a paper "Internet of Things and Big Data Analytics for developing Smart Cities: A Review" in IJCET (International Journal of Computer Engineering Technology), Volume 9, Issue 3, May-June 2018, pp.42-46.

International /National Conferences

1. S. Rakesh presented a paper "Optimizing Chronic Kidney Disease Diagnosis in Uddanam: A Smart Fusion of GA-MLP Hybrid and PCA Dimensionality Reduction" in the 3rd International Conference on Evolutionary Computing and Mobile Sustainable Networks (ICEMSN 2023), organized by Hindusthan Institute of Technology, Coimbatore, India, during 9-10 November 2023.

2. S. Rakesh and Dr. Nagaratna P. Hegde, "EDAMOD: Edge Detection and Moving Object Detection Algorithm to control Traffic Lights Dynamically" in the 2nd International Conference on Cognitive & Intelligent Computing (ICCIC-2022), organized by Vasavi College of Engineering, Hyderabad, India, during 27-28 December 2022.
3. S. Rakesh presented a paper "A Review on Sign Language Recognition Techniques" in the 2nd International Conference on Cognitive & Intelligent Computing (ICCIC-2022), organized by Vasavi College of Engineering, Hyderabad, India, during 27-28 December 2022.
4. S. Rakesh presented a paper "Review on 3D Model Generation through Natural Language and Image Processing" in the 2nd International Conference on Cognitive & Intelligent Computing (ICCIC-2022), organized by Vasavi College of Engineering, Hyderabad, India, during 27-28 December 2022.
5. S. Rakesh presented a paper "Survey on Estimation of Body Mass Index using Facial Images" in the 2nd International Conference on Cognitive & Intelligent Computing (ICCIC-2022), organized by Vasavi College of Engineering, Hyderabad, India, during 27-28 December 2022.
6. S. Rakesh presented a paper "Animal Encroachment Detection in forms: A Survey" in the 2nd International Conference on Cognitive & Intelligent Computing (ICCIC-2022), organized by Vasavi College of Engineering, Hyderabad, India, during 27-28 December 2022.
7. S. Rakesh presented a paper "Automatic Music Genre Classification using Deep Learning" in the International Conference on Innovative Computing, Informatics and Advanced Communication Systems (ICICIAC-2022), Department of Information Technology & Computer Science and Engineering at Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, India, during 25-26 March 2022.
8. S. Rakesh presented a paper "Melanoma Classification using Conventional Neural Network" in the International Conference on Innovative Computing, Informatics and Advanced Communication Systems (ICICIAC-2022), organized by Department of Information Technology & Computer Science and Engineering at Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad, India, during 25-26 March 2022.
9. S. Rakesh and Dr. Nagaratna P. Hegde, "Calculating the Traffic Density of Real-Time Video Using Moving Object Detection" In: Kumar, A., Mozar, S., Haase, J. (eds) Advances in Cognitive Science and Communications. ICCCE 2022. Cognitive Science and Technology. Springer, Singapore. https://doi.org/10.1007/978-981-19-8086-2_90
10. S. Rakesh presented a paper "Data Analytics using Variational Autoencoder using IoT" in the First International e-Conference on Management, Science and Technology (ICMST Online), organized by Department of Computer Science, RBVRR Women's College, Hyderabad, in collaboration with Global Conference Hub, Coimbatore, India during 29-30 May 2021.
11. S. Rakesh presented a paper "Real Time area based Traffic Density Calculation using Image Processing for Smart Traffic System" in the 4th International Conference on Smart Computing and Informatics (SCI-2020) organized by Department of CSE, Vasavi College of Engineering, Hyderabad, India during 09-10 October 2020.(Scopus-Springer)
12. S. Rakesh presented a paper "Smart Wearable Device for Women Safety using IoT" in the 5th International Conference on Communications and Electronics Systems (ICES 2020) organized by PPG Institute of Technology, Coimbatore, Tamilnadu, India during 10-12 June 2020. (Scopus - IEEE)
13. S. Rakesh presented a paper "Sign Language Recognition using Convolutional Neural Networks" in the International Conference on Sentimental Analysis and Deep Learning (ICSADL 2020) organized by KGiSL Institute of Technology, Coimbatore, Tamilnadu, India during 2-3 April 2020. (Scopus - Springer)
14. S. Rakesh presented a paper "The Role of Digital Technologies and ICT towards the development of Smart Cities" in 1st National Conference NCETDSIC-2018 organized by JNTUH-CES during 25th to 26th July 2018.