

Name of Faculty Mr. S.RAKESH  
 Designation Assistant Professor  
 Nature of Job/Appointment Regular



Date of Joining 24 - 06 - 2019

E-mail srakesh\_it@cbit.ac.in

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

Work Experience	
Teaching	10 Years
Research	03 years
Industry	--
Others	--

Area of Specialization Internet of Things, Data Analytics, Machine Learning

Professional Memberships ISTE : LM 95598

Responsibilities held at Institution Level  
 1. Coordinator- CBIT-Cyber Security Team  
 2. Tecstasy-2019 Coordinator

Responsibilities held at Department Level  
 1. Time Table In-Charge  
 2. Mandatory Disclosure In-Charge  
 3. Member, Course Expert Group  
 4. Website Coordinator 2017-18 to 2018-19  
 5. Class Teacher

Research Guidance --

Awards Received --

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

No. of Papers Published National Journals – International Journals – 04  
 National Conference – 01 International Conference – 02

Projects Carried out --

Patents --

Technology Transfer --

Invited Speaker --

No. of Books/Chapter Published with details --

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Trainings (**Attended and/or Organized**).  
 1. 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.

2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. Successfully completed “Convolutional Neural Networks” an online non-credit course authorized by deeplearning.ai and offered through Coursera.
9. Successfully completed “Structuring Machine Learning Projects” an online non-credit course authorized by deeplearning.ai and offered through Coursera.
10. Successfully completed a project-based online course on “Machine Learning using Python” organized by Skyfi labs.
11. 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.
12. 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.
13. S.Rakesh has attended ATAL academy online FDP on CYBER SECURITY from 18-05-2020 to 22-05-2020 at NIT Warangal.
14. S.Rakesh has successfully completed Faculty Awareness Program on NAAC Accreditation organized by RD’s Shri Chhtrapati Shivajiraje College of Engineering , Dhangawadi,

Pune 412206 conducted online during the period of 10/05/2020 to 15/05/2020.

15. 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.
16. 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.
17. 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.
18. 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.
19. Organized Cyber Security Orientation Program on 31st January 2020, 1.00 PM to 4.00 PM in Assembly Hall.
20. Organized Cyber Security Orientation Program on 17th Feb 2020, 11.10 AM to 12.10 PM in Assembly Hall.
21. Organized Cyber Security Poster Presentation Contest on 19th Feb 2020 in Assembly Hall.
22. Organized a 2 day workshop “Django” during 13-14 September 2019.
23. Faculty coordinator for a 2 day national level technical symposium - Tecstasy 2019, organized during 13-14 September 2019.

Details of Journal Publications/ Conferences (**National and International**):

### **International Journals**

1. 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.**
2. 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;**
3. 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.**
4. 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.
5. 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
6. 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.

7. 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.
8. 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**

9. 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.
10. S. Rakesh presented a paper “Real Time area based Traffic Density Calculation using Image Processing for Smart Traffic System” in the 4<sup>th</sup> 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)
11. S. Rakesh presented a paper “Smart Wearable Device for Women Safety using IoT” in the 5th International Conference on Communications and Electronics Systems (ICCES 2020) organized by PPG Institute of Technology, Coimbatore, Tamilnadu, India during 10-12 June 2020. (Scopus - IEEE)
12. 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)
13. S. Rakesh presented a paper “The Role of Digital Technologies and ICT towards the development of Smart Cities ” in 1<sup>st</sup> National Conference NCETDSIC-2018 organized by JNTUH-CES during 25<sup>th</sup> to 26<sup>th</sup> July 2018.

#### **Book Chapters:**

14. 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](https://doi.org/10.1007/978-981-15-9651-3_58).