

Name of Faculty Dr. B. Indira  
 Designation Assistant Professor  
 Nature of Job/Appointment Regular  
 Date of Joining 27 – 06 - 2018  
 E-mail bindira\_mca@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Computer Science)	Awarded
PG	Master of Computer Applications	First
UG	B. Sc. (Elec)	First

Work Experience

Teaching	24 Years
Research	10 years
Industry	--
Others	--

Area of Specialization Data Structures, Artificial Neural Networks

Professional Memberships Member, IAENG Number: 255609

Responsibilities held at Institution Level Member Disciplinary Committee 2020

Responsibilities held at Department Level Coordinator, R&E

Research Guidance Guided ONE Research Scholar who was awarded Ph. D Degree and 08 Research Scholars work is in progress

Awards Received "Bharat Ratna Mother Teresa Gold Medal Award", December, 2018.

Courses Handled at Under Graduate / Post Graduate Level. Design and Analysis of Algorithms, Data Structures, Data Warehousing and Data Mining, IOT, Middleware Technologies

No. of Papers Published National Journals – 08 International Journals – 35  
 National Conference – 07 International Conference – 05

Projects Carried out Minor research project entitled "A Study on the effective use of ICT for education and learning purpose in various schools and colleges of Hyderabad and Secunderabad" sponsored by UGC with a financial assistance of Rs. 213500/- granted for the year 2017-2018.

Patents Application Number: 201911050942, "Medical Problems Detection Using Machine Learning Techniques", Publication Date 20/12/2019

Technology Transfer --

Invited Speaker --

No. of Books/Chapter Published with details Contributed a chapter entitled "Impact of Cyber-attacks in Indian banking sector – An overview" in the book "Role of Technology in Banking and Financial Services" being published by Archers and Elevators Publishing House, 2017. PP. 6-9, ISBN: 978-93-85640-99-5.

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

1. Organized one-week National Level FDP on Cyber Security jointly By CSE MGIT in association with Supraja Technologies from 7-12-2020 to 12-7-2020.
2. Successfully Completed Machine learning Specialization and 15 Plus coursera courses
3. 22-6-2020 to 26-6-2020 – Five day Online Short Term Training Program on "Recent Trends in Data Science and Information Security" conducted by RAIT, Navi Mumbai, Maharashtra.
4. 22-6-2020 to 26-6-2020 – Five day Online Faculty Development Program on "Natural Language Processing behind Data Science" conducted by Codegnan IT Solutions, in association with Bonam Venkata Chalamayya Institute of Technology & Science, Kakinada.
5. 17-06-2020 to 25-06-2020 - Online Webinar cum Workshop on "Data Science using Python" for faculty members using Microsoft Teams Platform Organized by Amrita College of Engineering and

- Technology, Nagercoil and Hebeon Technologies, Hyderabad
6. 13-6-2020 to 17-6-2020 – One Week Faculty Development Programme on “Next Generation Software Tools & Trends for Industrial Solutions: Current Practices” conducted by department of Computer Science and Engineering, Government College of Engineering, Aurangabad.
  7. 17-06-2020 - Online Workshop on Social Responsibility and Community Engagement conducted by “Chaitanya Bharathi Institute of Technology” and Scored 100% in the Quiz.
  8. 3-6-2020 to 16-6-2020 -Two week Faculty Development Programme on “Multimedia and Drawing” organized by Department of Computer Science, Government First Grade College, Harihara in association with spoken tutorial IIT Bombay (An Initiative of National Mission on Education through ICT, MHRD, Govt. of India) under the scheme of PMMMNMTT.
  9. 13-6-2020- A Short course on “Learn to Design Your Own Solar Home System” as part of Energy Literacy Drive of the Energy Swaraj Foundation.
  10. 8-6-2020 to 9-6-2020 –two day online FDP on “Effective Technical Report Writing using Latex” organized by Department of Electronics and Communication Engineering , MGIT, Hyderabad
  11. 10-6-2020 to 13-6-2020 – Faculty Development programme on “Technology Towards Common Man” conducted by department of Instrumentation and Control Engineering, Sri Manakula Vinayagar Engineering College, Puducherry.
  12. 5-6-2020 to 11-6-2020 – one week National online Faculty Development programme on “Python Programming” organized by Dept. of Computer Science, Government College For Women, Kolar, Karnataka in association with Spoken Tutorial IIT-Bombay
  13. 1-6-2020 to 6-6-2020 - A one week National level online Faculty Development programme on “Internet of Things and Artificial Intelligence Applications” organized by Department of Computer Engineering, KL Deemed to be university, Guntur.
  14. 1-6-2020 to 7-6-2020 –“Short Term Training on Internet Of Things” conducted by Aptronix Technologies in collaboration with A.G Patil Institute of Technology, Solapur.
  15. 5-6-2020 to 7-6-2020 – online Faculty development programme on “IoT, AI & ML: Industrial Perspective” Organized by the Department of Electronics and Communication Engineering, Sri Venkateswara College of Engineering and Technology (Autonomous), Chittoor
  16. 5-6-2020 to 6-6-2020 – online Faculty programme on “Outcome Based Education” by Sri Mankula Vinayagar Engineering College, Puducherry
  17. 28-05-2020 to 1-06-2020 -A One Week Online Faculty Development Program on “OUTCOME BASED EDUCATION AND NBA ACCREDITATION PROCESS -(UG)” organized by CBIT (A)-Hyderabad
  18. 25-5-2020 to 29-5-2020 – 5 day online STTP on “Recent Trends and Applications of Machine Learning and Deep Learning in IT” organized by department of Information Technology, RAIT, Navi Mumbai.
  19. 23-5-2020 – 3 day online Faculty Development programme on “Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop” through IIT Bombay BodhiTree platform, organized by PMMMNMTT, IIT Bombay.
  20. 22-5-2020 to 26-5-2020 – 5 day National level online Faculty Development programme on “Artificial Intelligence” organized by Depts. of MCA,CSE and IT of Chaitanya Bharathi Institute of Technology
  21. 20-5-2020 to 24-5-2020 – one week online Faculty Development programme on “Introduction to Computers” by Shriram Institute of Engineering & Technology Centre, Paniv
  22. 18-5-2020 to 22-5-2020 – 5 day online Faculty Development programme on “Hands on FDP: Data Science Using Python” organized by Dept. of Information Technology of Jeppiaar Institute of Technology ( Got merit certificate)
  23. 18-5-2020 to 23-5-2020 – one week online Faculty Development programme on “PHP and MySQL” organized by Dept. of Computer Science and Engineering, JNTUH College of Engineering, Jagtial in association with Spoken Tutorial IIT-

Bombay

24. 18-5-2020 to 22-5-2020 – online Faculty Development programme on “Artificial Intelligence and Machine Learning” organized by Dept. of Computer Science, CMRTC, Hyderabad
25. 5-5-2020 to 14-5-2020 -Online FDP on "Machine Learning and Its Applications" from 2-5pm organized by EICT IIT Roorkee
26. “Foundations to Open Education and OERs Repositories” organized by UNED Abierta in association with IEEE Education Society in the month of April 2020.
27. SQL, HTML Courses from Solo Learn, April 2020
28. “Python 3 Tutorial” Course from Solo Learn, March 2020
29. Faculty Development Programme on “ Computer Networks and Internet Protocol (CNIP)”, Jan-April 2020, NPTEL-AICTE Online FDP Course (12 Week)
30. Faculty Development Programme on “ NBA Accreditation and Teaching-Learning in Engineering (NATE)”, Jan-April 2020, NPTEL-AICTE Online FDP Course (12 Week)
31. Faculty Development Programme on “ Industry 4.0 and Industrial Internet of Things (IIOT)”, Jan-April 2020, NPTEL-AICTE Online FDP Course (12 Week)
32. Attended various MHRD IIC Cell, Leadership Talks, NPTEL Live Series, Online Quizzes and many Webinars during the COVID 19 Lockdown

#### **International/National Journals from the Year 2017**

1. Dr.B.Indira and Dr. D. Lalitha Devi published a paper entitled “Students Response Towards ICT Based Education Among Various Schools and Colleges in Hyderabad-A Case Study” in International Journal of Scientific Research, Impact Factor 4.321, ISSN2277-8179,, pp. 184-187, Vol. 8, Special Issue 12, December, 2019
2. A.Jyothi and Dr. B.Indira Published a paper entitled “An Automated VM Security Framework for Live Migration” in International Journal of Innovative Technology and Exploring Engineering (IJITEE), Impact Factor 6.088, ISSN : 2278 -3075, pp. 2029-2037, Vol. 8, Issue 11, September, 2019 (Scopus Indexed)
3. Arati Kothari and Dr. B. Indira published a paper entitled “A Unique Six Sigma Based Segmentation technique for Brain Tumor Detection and Classification using Hybrid CNN-SVM Model” in International Journal of Recent Technology and Engineering (IJRTE), Impact Factor 5.92, pp 35-40, ISSN. 2282-2287, Vol. 8, Issue 2, July, 2019. (Scopus Indexed)
4. Mohammed Shafeeq Ahmed and Baddam Indira published a paper entitled "Detection and Classification of Exudates by Extracting the Area from the RGB Fundus Images", in International Journal of Recent Technology and Engineering (IJRTE), Impact Factor 5.92, PP. 2277-3878, ISSN 2282-2287, Vol. 8, Issue 1, May, 2019. (Scopus Indexed)
5. K. Swathi and Dr. Baddam Indira published a paper entitled “Approach to build a Model Using Data Science/ Machine learning” in International Journal of Management Technology and Engineering, Impact Factor 6.3, Volume IX, Issue I, ISSN 2249- 7455, January – 2019.
6. A.Jyothi and Dr. B.Indira Published a paper entitled “A Two Way Validation Framework For Cloud Storage Security” in International Journal of Engineering and Technology, Impact Factor 6.088, ISSN : 2227-524X, pp. 236-242, Vol. 7,(2.2), 2018 (Scopus Indexed)
7. Dr.B.Indira, Prof.S.Jeelani published a paper entitled “Perspective of ICT in Teaching and Learning” in International Journal of Multidisciplinary Studies, Impact Factor 4.321, ISSN 2348-1390, pp. 184-187, Vol. 5, Special Issue 5, April, 2018.
8. Ms. Shalini, Dr.B.Indira published a paper entitled “Implementation of Hindi word Recognition and Classification using Artificial Neural Network” in International Journal of Pure and Applied Mathematics”, Impact Factor 7.19, ISSN 1311-8080 (printed version), ISSN : 1314-3395 (on line version) Vol. 117, No.15, 2017. (Scopus Indexed)
9. Ms. Shalini, Dr.B.Indira published a paper entitled “ Character Recognition from Printed Hindi words Towards Artificial Neural Networks” in International Journal of Computer Science and Engineering”, Impact Factor 5.9867, ISSN 2278-9979, Vol. 6, Issue 5, August-September – 2017. (Scopus Indexed)
10. Mohammed Shafeeq Ahmed and Baddam Indira published a paper entitled “Comparative Study on Localization of Optic Disc from RGB Fundus Images Detection” in International Journal of Emerging Trends & Technology in Computer Science”, Impact Factor 7.143, ISSN 2278-6856, Vol. 6, Issue 3, May – June 2017.
11. Mohammed Shafeeq Ahmed and Baddam Indira published a paper entitled “Detection of Exudates from RGB Fundus Images Using3σ Control Method” in Proceedings of IEEE International Conference on Wireless Communications, Signal Processing and Networking (WISPNET 2017), Chennai, India, held during 22<sup>nd</sup> -24<sup>th</sup> March, 2017, DVD ISBN 978-1-5090-4442-9/\$31.00 ©2017 IEEE Published in IEEE Xplore Digital Library, Impact Factor 3.244Electronic ISBN 978-1-5090-4442-9, POD ISBN 978-1-5090-4443-6
12. Mohammed Shafeeq Ahmed and Baddam Indira published a paper entitled “Morphological Technique for Detection of Microaneurysms from RGB Fundus Images” in Proceedings of IEEE International Conference on Wireless Communications, Signal Processing and Networking (WISPNET 2017), Chennai, India, held during 22<sup>nd</sup> -24<sup>th</sup> March, 2017, DVD ISBN 978-1-5090-4442-9/\$31.00 ©2017 IEEE. Published in IEEE Xplore Digital Library, Impact Factor 3.244, Electronic ISBN 978-1-5090-4442-9, POD ISBN 978-1-5090-

4443-6.

13. Mohammed Shafeeq Ahmed and Baddam Indira published a paper entitled "Detection and Classification of Non-Proliferative Diabetic Retinopathy Stages Using Morphological Operations and SVM Classifier" in Proceedings of 2<sup>nd</sup> International Conference for Convergence in Technology (I2CT 2017), Pune, India, held during 7<sup>th</sup> -9<sup>th</sup> April 2017, 978-1-5090-4307-1/17/\$31.00 ©2017 IEEE.
14. Arati Kothari and Dr. B. Indira published a paper entitled "Detection and Classification of Brain Cancer using Artificial Neural Networks in MRI Images" in Proceedings of 2<sup>nd</sup> International Conference for Convergence in Technology (I2CT 2017), Pune, India, held during 7<sup>th</sup> -9<sup>th</sup> April 2017, 978-1-5090-4307-1/17/\$31.00 ©2017 IEEE.

#### **International/National Conference Proceedings from the Year 2017**

1. B.Indira presented a paper entitled "Approach to build a model using Data science/Machine learning" in 4<sup>th</sup> International Conference on Multidisciplinary Research held on 2<sup>nd</sup> February 2019 at Osmania University Centre for International Program, Osmania university campus, Hyderabad, India.
2. K. Swathi and Dr.B. Indira Published and presented a paper entitled "Study on Security levels in Cloud Computing" in International Conference on Electrical, Electronics, Computer Science and Information Technology (ICEECSIT) – 2018 held on 1<sup>st</sup> July, 2018, in Hyderabad, India, organizes in association with Institute of Research and Journals (IRAJ) (ISO 9001:2008 Certified)
3. Shazia Farheen, B. Indira, S.Jeelani and Ramana Murthy presented a paper entitled "The Role of mobile and Ubiquitous learning in ICT based education" and Research chaired a session on "Electronics and Communication, Mathematical Modeling and Cognitive Science" in International Conference on Innovative Applications in Engineering and Information Technology (IAEIT – 2017) organized by Sri Padmavati Mahila Visvavidyalayam, Tirupati, held during 01-02 February, 2017.
4. Mohammed Shafeeq Ahmed and Baddam Indira published a paper entitled "Detection and Classification of Exudates from RGB Fundus Images using K-Means Clustering Technique" in proceedings of UGC Sponsored two-day National Conference on Current Research Advances in Computer Science (CRACS-17) organized by Kakatiya University, Warangal, held during 17<sup>th</sup> and 18<sup>th</sup> March, 2017, ISBN 978-93-5230-183-6, pp 1-5.
5. Arati Kothari and B. Indira published a paper entitled "Abnormality Detection in Brain Images using Morphological Watershed Segmentation Method" in proceedings of UGC Sponsored two-day National Conference on Current Research Advances in Computer Science (CRACS-17) organized by Kakatiya University, Warangal, held during 17<sup>th</sup> and 18<sup>th</sup> March, 2017, ISBN 978-93-5230-183-6, pp 12-14.
6. K.Swathi and B. Indira published a paper entitled " Survey on Cloud Security Issues and Attacks" in proceedings of UGC Sponsored two-day National Conference on Current Research Advances in Computer Science (CRACS-17) organized by Kakatiya University, Warangal, held during 17<sup>th</sup> and 18<sup>th</sup> March, 2017, ISBN 978-93-5230-183-6, pp 60-63.
7. Krishnaveni S. and B. Indira published a paper entitled "Energy Efficiency Aspects in Cloud Computing" in proceedings of UGC Sponsored two-day National Conference on Current Research Advances in Computer Science (CRACS-17) organized by Kakatiya University, Warangal, held during 17<sup>th</sup> and 18<sup>th</sup> March, 2017, ISBN 978-93-5230-183-6, pp 67-69.
8. A.Jyothi and B. Indira published a paper entitled " Identity Based Remote Data Integrity Checking with Data Dynamics and public Auditing in Cloud" in proceedings of UGC Sponsored two-day National Conference on Current Research Advances in Computer Science (CRACS-17) organized by Kakatiya University, Warangal, held during 17<sup>th</sup> and 18<sup>th</sup> March, 2017, ISBN 978-93-5230-183-6, pp 206-208.