


Name of Faculty	Dr. B.Indira	
Designation	Associate 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 (CSC)	Awarded
PG	MCA	First
UG	B. Sc. (Elec)	First
Work Experience		
Teaching	29 Years	
Research	14 years	
Industry	--	
Others	--	
Area of Specialization	Data Structures, Artificial Neural Networks	
Professional Memberships	<ol style="list-style-type: none"> <li>1. Life member – CSI - 5022240069</li> <li>2. Member, IAENG Number: 255609,</li> <li>3. Internet Society (Life time member of Asia – Pacific Region-member of Chennai chapter)- 2222714</li> <li>4. Is an I2OR Ed-Tech Community member w.e.f April 2021 – I2OR/ETCM-834</li> <li>5. IFERP - Premium Member -ID -PM47901836</li> <li>6. IAAC Member – ID – FRTJQC-CE002692</li> </ol>	
Responsibilities held at Institution Level	<ol style="list-style-type: none"> <li>1. Member Campus decoration Committee 2019,2020,</li> <li>2. Member Disciplinary Committee 2020</li> <li>3. Member – PCC</li> <li>4. Member – CAC</li> <li>5. Member – Reception Committee</li> </ol>	
Responsibilities held at Department Level	<ol style="list-style-type: none"> <li>1. NBA Co ordinator</li> <li>2. HoD, MCA</li> <li>3. Coordinator, R&amp;E,</li> <li>4. Mentor</li> <li>5. Class Incharge</li> <li>6. Member, NAAC, Criteria 7&amp;8</li> <li>7. Member, DRC,</li> <li>8. Member, PAQIC</li> <li>9. Member, CEG</li> <li>10. Member -IIC</li> </ol>	
Research Guidance	Ph D: Awarded - 06, Guiding - 04	
Awards Received	<p>"Bharat Ratna Mother Teresa Gold Medal Award", December, 2018.</p> <p>"Pre-eminent Professor National Award 2022", by Chennai Teacher's Council (CTC), in November 2022.</p> <p>The Best Inspirational Women of Telangana" award, by TAPA (Telangana All principal's Association) Honors award in March 2024.</p> <p>"Uttama Adhyapika Award", by Bharath Education Excellence Award in May 2024.</p> <p>"Telangana Best Teacher Award" by Prof Amruth Rao Educational Society in September, 2024</p> <p>"IWD Appreciation Award" on behalf of International Women's Day, Lakshyam EDU Group, 2024.</p> <p>"Bhisma Acharya Award", by Bharath Education Excellence Award in Nov 2025.</p>	
Courses Handled at Under Graduate / Post Graduate Level.	Design and Analysis of Algorithms, Data Structures, Data Warehousing and Data Mining, IOT, Middleware Technologies, DCCN, HCI	

No. of Papers Published	National Journals – 08	International Journals – 65
	National Conference – 07	International Conference – 10
Projects Carried out	<ol style="list-style-type: none"> <li>1. 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.</li> </ol>	
Patents	<ol style="list-style-type: none"> <li>1. Application Number: 201911050942, “Medical Problems Detection Using Machine Learning Techniques”, Publication Date 20/12/2019.</li> <li>2. Application Number: 202041031963, “An IOT based Novel Framework for Monitoring Behavior of Autism Effected Persons”, Publication Date 21/08/2020.</li> <li>3. Application Number: 202241000469, “Detection and classification of diabetic retinopathy from fundus images using optimized 3 sigma and NN method”, Publication Date 04/02/2022.</li> </ol>	
Technology Transfer	--	
Invited Speaker	<ol style="list-style-type: none"> <li>1. Lecture in the webinar on “Exploring the Domain of IoT: A Comprehensive Overview” organized by IETE, Hyderabad, on 4th feb, 2024.</li> <li>2. Lecture in the seminar on Research Orientation at Kasturba Gandhi Degree and PG College for women, Secunderabad, on 23rd January, 2022.</li> <li>3. Lecture on “Data structures and its applications” on 27th and 28th July, 2020 for B.Sc second year students of Telangana Social Welfare Residential Degree College for Women, Korutla/Jagitial.</li> <li>4. Lecture on “Gen AI Tools” in the workshop for Non –teaching Staff on “ Digital Literacy and Technological Empowerment” Organized by department of MCA, CBIT.</li> </ol>	
No. of Books/Chapter Published with details	<ol style="list-style-type: none"> <li>1. Dr. Keshetti Srikala, Dr. C. R. K. Reddy, Dr. B. Indira and Dr. C. Sudha published a book titled, “AI Applications”, published by Scientific International publishing House, April 2024, ISBN No: 978-93-6132-624-0.</li> <li>2. Dr.B.Indira, Dr Keshetti Srikala, CNVBR Sri Gowrinath, Ramesh Ponnala published a book titled, “Data Structures and Algorithms using ‘C’ “, published by Scientific International publishing House, May 2022, ISBN No: 978-93-5625-164-9.</li> <li>3. Dr. Keshetti Srikala, Dr. Guda Vanitha and Dr. B. Indira published a book titled, “The Era of Artificial Intelligence and Machine Learning”, published by GCS Publishers, July 2022, ISBN No: 978-93-94304-52-9.</li> <li>4. Shalini and B. Indira published a book titled “Fundamentals of C” for B.Com (CS) common core syllabus of Andhra Pradesh State Universities, being published by Kalyan Publishers, New Delhi, 2012, ISBN: 978-81-272-6354-6.</li> <li>5. Prof. N. Vijaya and B. Indira contributed a chapter entitled “ICT: A Tool for Enhancing Women’s Educational Opportunities – An Overview” in the book “Gender Issues: Empowerment of Women” being published by Serial Publications, 2014. PP. 33-45, ISBN: 978-81-8387-656-8.</li> <li>6. B. Indira contributed a chapter entitled “The Role of ICT to enhance Knowledge Management in Higher Education” in the book “E-</li> </ol>	

commerce – Impact on Economic Development” being published by Archers and Elevators Publishing House, 2015. PP. 34-37, ISBN: 978-93-83241-87-3.

7. B. Indira contributed a chapter entitled “Opportunities and Challenges in Enhancing Employability Skills Using ICT” in the book “Resurgent India through Fostering Innovation and Entrepreneurship” being published by Archers and Elevators Publishing House, 2016. PP. 18-21, ISBN: 978-93-85640-53-7.
8. B. Indira 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-

#### **WS/Seminars/Conferences/STTPs/FDPs/Others Organized / attended:**

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

1. 1.NPTEL- NPTEL Machine Learning for Soil and Crop Management Jan-April 2024 (12weeks) FDP
2. NPTEL course on Organic Farming for sustainable Agricultural Production Jul-Sep 2023
3. 25-7-2022 – 29-07-2022 – participated in “ISTE Sponsored Short Term Training Programme on Deep Learning Tools and its Applications” from 25th to 29th July, 2022.
4. 08-8-2022 – 29-08-2022 – participated in 30 Hours Live Training Program on Automation Testing and DevOps by Excelr
5. 20-9-2022 – 21-10-2022 – participated in 30 days Data Science2.0 Master Class by Pantech E learning, Chennai, AP Skill set
6. 30-01-2023 – 04-02-2023 – participated in one week FDP on “Platforms & System Security in Cyber Space” organized by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad
7. 16-05-2022 to 03-06-2022 – attended 42 hours Live Virtual Training Program on PYTHON FOR DATA SCIENCE organized by Excelr.
8. 16-05-2022 to 20-05-2022- has participated in the One Week Short Term Training Programme on “Cyber Security” jointly organized by Department of Computer Science & Engineering and Department of Information Technology, Chaitanya Bharathi Institute of Technology (Autonomous) Hyderabad
9. 25-05-2022 to 31-05-2022- attended an One Week Online Faculty Development Program on “Emerging Trends in Artificial Intelligence” organized by Bhimavaram Institute of Engineering & Technology and Blackbuck Engineers Pvt Ltd
10. 09-05-2022 to 13-05-2022- attended an One Week International Faculty Development Programme on “Frontiers of Data Science in Trending Technologies” , Organized by the Department of Mathematics & Humanities and Department of Computer Science & Engineering, Mahatma Gandhi Institute of Technology, Hyderabad.
11. 21-02-2022 to 25-02-2022- attended an online workshop on “MATLAB and its Applications in Image Processing and Communication” conducted by the Department of Electronics and Communication Engineering, SRM TRP Engineering College, Tiruchirappalli.
12. 13-11-2021 to 14-11-2021- attended a workshop on “ETHICAL HACKING & CYBER SECURITY” organized by Dept. of MCA, CBIT(A), Hyderabad
13. 18-9-2021 – attended on FDP on “ICT and IOT based Teaching : Funding Resources” organized by IQAC and PG Department of Computer Science, Kasturba Gandhi and Degree College for Women, Secunderabad.
14. 24-08-2021 to 09-09-2021 - attended 14 days online Faculty Development Programme on “a2z of NBA Accreditation Process” organized by Department of Electronics & Communication Engineering under the aegis of Internal Quality Assurance Cell (IQAC), Inderprastha Engineering College, Ghaziabad
15. 19-08-2021 to 21-08-2021 - attended the International Conference & Symposium on “Quality Education for Children and Students in Africa: Challenges and Opportunities” organized by UniversitiGoGlobal(UGG) in partnership with Saint Francis De Sales

College, Nagpur.

16. 16-08-2021 to 21-08-2021 - has attended the "One Week Short Term Training Program (AICTE Sponsored) on Next Generation Wireless Technologies: 5G and beyond" organized by Indo Global College of Engineering Abhipur, New Chandigarh.
17. 5-07-2021 to 16-07-2021 - participated in two week FDP on "Data Science" organized by E&ICT Academy, IIT Kanpur.
18. 16-07-2021 to 17-07-2021-organized 2 days online Python workshop.
19. 15-07-2021 to 22-07-2021 - Participated in the 8 Days Python Boot camp organized by SRM Institute of Science and Technology, Chennai in association with Indian Servers.
20. 10-07-2021 – Organized TECHWIZZ-2021 in association with R&D, R&E Hub, CBIT (A), Hyderabad.
21. 1-07-2021 to 6-07-2021 - participated in one week online FDP on "Physical layer techniques for 5G Technology" organized by Department of ECE, Narayana Engineering College, Gudur
22. 28-06-2021 to 3-07-2021 - participated in National level online FDP on "Multi Technology" organized by Department of CSE, Sreedevi women's engineering college, Hyderabad in association with National Youth Council of India and Brain-O-Vision Solutions India Pvt. Ltd.
23. Organized an Online Technical Quiz "Techwizz-2021" on 10th July 2021.
24. A Two-day Online Hands-on National Workshop on "Workshop on Python Programming" conducted by the department of MCA during 16th to 17th July 2021.
25. Organized Cyber Security FDP during 7th July to 12th July 2020 jointly with MGIT.
26. 28-06-2021 to 3-07-2021 - participated in National level online FDP on "Multi Technology" organized by Department of CSE, Sreedevi women's engineering college, Hyderabad in association with National Youth Council of India and Brain-O-Vision Solutions India Pvt. Ltd.
27. 24-06-2021 to 28-06-2021 - participated in 5 day International workshop on "Building Data-Driven Solutions Using Data Analytics with ML and DL Algorithms" organized by Department of CSE, CBIT (A), Hyderabad.
28. 17-05-2021 to 5-6-2021 - participated in 3 weeks International FDP on "Research Perspectives on AI, ML, Data Science and IOT" organized by Department of Electronics and Computer science, KL university, Guntur.
29. 8-6-2021 to 12-6-2021 - participated in 5 days Faculty Development Webinar on "Intelligent Systems for Sustainable Development" organized by Department of CSE & IT, St Peter's Engineering College, Hyderabad.
30. 22-5-2021 - participated in the Work shop on "Data Analytics" organized by Department of IT, MGIT, Gandipet, Hyderabad in association with Pantech E learning, Chennai.
31. 26-4-2021 to 01-5-2021 - participated in One Week online STTP on "Design of Soft Computing Based Machine Learning Models" Sponsored by AICTE, organized by Department of ECE, PIET.
32. 25-04-2021 – attended a workshop on "Digital Age Student Empowerment Futures: Additive Curriculum Approach" and "Google for Education: Becoming a Google Certified Educator" EDUCLOUDS ED-TECH EVENT 2.0.
33. 24-04-2021- has successfully completed participating in "The Guinness World Record Event – Most users to take an online computer programming lesson in 24 hours" on April 24<sup>th</sup> 2021 6PM to April 25<sup>th</sup> 6PM.
34. 3-04-2021 to 4-04-2021 – Attended and acted as Co-Chairperson for a session on "Artificial Intelligence and Deep Learning" in first International Conference ETCTA-2021 organized by Chaitanya Bharathi Institute of Technology(A), Gandipet, Hyderabad
35. 3-04-2021 to 4-04-2021 – Presented a paper entitled "Smart Farming using IOT and Machine Learning" in first International Conference ETCTA-2021 organized by Chaitanya Bharathi Institute of Technology(A), Gandipet, Hyderabad
36. Is an I2OR Ed-Tech Community member w.e.f April 2021.
37. 20-3-2021- attended one day National Summit on "Cyber Security: Issue of concern for Business Challenges, Opportunities & Remedies" organized by Institute of Technology and Science, Mohan Nagar, Ghaziabad.

38. 8-3-2021 to 13-3-2021 - attended One Week International Conference on "Global Collaborations in Science, Technology, Education, Mathematics & Humanities to Advance the Frontiers of Knowledge & Innovation" organized by Saint Francis De Sales College, Nagpur.
39. 22-2-2021 to 26-2-2021 – participated in AICTE Training And Learning (ATAL) Academy Online FDP on "Data Science" at university college of engineering, Osmania university.
40. 28-12-2020 to 29-12-2020 - participated in an International Conference CHSN2020 and presented a paper "Organizing IOT Health Care Based on the Priority" organized by JNTU, Kakinada, AP, India
41. 14-12-2020 to 19-12-2020- Participated in one week Online AICTE sponsored Faculty Development Programme on "Data Science for Big Data Analytics in Cloud using Advanced Tools" organized by Department of CSE, CBIT(A), Hyderabad, India.
42. 23-11-2020 to 05-12-2020- Participated in Two week Online AICTE sponsored Faculty Development Programme on "Data Science using Python" organized by Department of Information Technology, Shri Vishnu Engineering College for Women, Bhimavaram, India.
43. 2-12-2020 to 3-12-2020 - participated in a National Conference on "Essence of Mathematics and Engineering Applications" organized by Department of Mathematics, Koneru Lakshmaiah Education Foundation.
44. 20-11-2020- attended "Online Symposium on Challenges in Underwater Networks" organized by the Department of Computer Science, Dr. G. R. DAMODARAN COLLEGE OF SCIENCE (AUTONOMOUS), Coimbatore-641 014
45. 29-10-2020 to 30-10-2020 – attended an International Conference on Advances and Applications of Artificial Intelligence and Machine Learning, organized by at Sharda University Uttar Pradesh, Greater Noida.
46. 17-10-2020 to 18-10-2020 - Chaired the Session for the Technical Session – 1 on "IoT" and reviewed papers, presented a paper entitled "Identification of tourists from public commuters using transport data and predicting the next tour", in a two day International online conference on "Emerging Trends in Information Technology" conducted by Integrated Learning Systems in collaboration with International Journal of computer Engineering and Applications, Hyderabad.
47. 17-10-2020- attended Online Digital Conclave on "Convergence of Science, Technology and Humanities: A Roadmap for Future Development", organized by Institute of Technology & Science, Mohan Nagar, Ghaziabad.
48. 25-09-2020 to 26-09-2020 – Participated in Two Day National Level Online Workshop on Insightful Rudiments of Originating Google Forms & Generating Certificates- A Horde of Approaches Adaptable for Online Academic Motives organized by Department of Humanities & Sciences, Balaji Institute of Technology & Science, Narsampet, Warangal Rural, Telangana, India.
49. 7-09-2020 to 21-09-2020 – Participated in Online (50 hrs/15 days) Faculty Development Programme On Data Science & Its Applications In STEM conducted by Andhra University College Of Engineering (A), Andhra University and University Engineering College -Vizianagaram, JNTUK, Kakinada in association with APSCHE (Andhra Pradesh State Council of Higher Education).
50. 28-08-2020 to 29-08-2020 – Attended 2 days AICTE sponsored National Conference on "Recent Advances in Computer Science & Engineering", and presented a paper entitled "Robust Frequent Item set mining on Massive Data", organized by Department of CSE, Chalapathi Institute of Engineering & Technology.
51. 21-08-2020 to 22-08-2020 – Attended 2 days AICTE sponsored National Conference on "Next Generation Computing Technologies and their Role in Nation Development", organized by Institute of Technology & Science, Ghaziabad.
52. 03-08-2020 to 07-08-2020- Participated in Online Training on "Deep Learning using Python" organized by Apptronix Technologies in association with MGIT, Hyderabad.
53. 03-08-2020 to 08-08-2020- Participated in one week Online Training on "Basics of Python Programming" organized by SA Techno Solutions in association with TechI Sugan.
54. 27-07-2020 to 1-08-2020- Participated in one week Online Short Time Training

- Programme on "Recent Advancements in Internet of Things for Healthcare Applications" organized by the Department of ECE, Mount Zion College of Engineering and Technology, Tamil Nadu.
55. 27-07-2020 to 31-07-2020- Participated in one week Online Faculty Development Programme on "Data Science Fundamentals" organized by the Department of Information Technology, St. Joseph's College of Engineering in association with ISTE, Tamil Nadu Section.
  56. 27-07-2020 to 31-07-2020- Participated in one week Online Faculty Development Programme on "Ethical Hacking and Data Security" organized by department of IT, MGIT in association with Pristine Infosolutions.
  57. Delivered an extension lecture on "Data structures and its applications" on 27<sup>th</sup> and 28<sup>th</sup> July, 2020 for B.Sc second year students of Telangana Social Welfare Residential Degree College for Women, Korutla/Jagitial.
  58. 20-07-2020 to 25-07-2020- Participated in one week Online Short Term Training Programme on "Big Data and Hadoop" organized by the Department of CSE, Institute of Engineering & Science, IPS Academy, sponsored by AICTE, New Delhi.
  59. 25-07-2020 - Participated in one day "Hands-on Free workshop on Python" organized by department of CSE, MGIT in association with Brainovision solutions.
  60. 20-07-2020 to 24-07-2020- Participated in one week Online Faculty Development Programme on "Cyber Attacks and Digital Forensics" organized by department of IT, MGIT in association with Indian Servers.
  61. 15-07-2020 to 16-07-2020- Participated in Two Days Online Workshop on "Free and Open Source Alternative for Web Conferencing and Teaching Learning" organized by department of CSE, MGIT.
  62. 13-07-2020 to 17-07-2020 - Participated in a One Week Online Faculty Development Program on "Evolution of IOT and It's Real Time Applications" organized by Department of CSE, Malla Reddy Institute of Technology and Science, Hyderabad.
  63. 07-07-2020 to 12-07-2020 - Organized a One Week National Online Faculty Development Program on "Cyber Security" jointly with Department of CSE, MGIT in association with Supraja Technologies.
  64. Got an appreciation certificate from Supraja Technologies for organizing one week FDP on "Cyber Security"
  65. 07-07-2020 to 12-07-2020 - Participated in a One Week National Online Faculty Development Program on "Cyber Security" organized by Department of MCA, CBIT (A), Department of CSE, MGIT in association with Supraja Technologies.
  66. 06-07-2020 to 10-07-2020 - Successfully participated & completed online one-week workshop on "Arduino" held by Department of Electrical Engineering, SKN Sinhgad College of Engineering, Pandharpur, Maharashtra in association with Spoken Tutorial IIT Bombay, Mumbai.
  67. 06-07-2020 to 10-07-2020 - participated in a One Week National Level Online Workshop on "Yoga - A Science of Breath and Meditation for Subtle Energy Channeling", organized by Department of Computer Science and Engineering in association with Datta Kriya Yoga International Center, Mysore and Impact Foundation, Hyderabad.
  68. 29-06-2020 to 4-07-2020 - Participated in a One Week online Faculty Development Program on "ICT Tools for Technology Infused Learning V 2.0" organized by Department of Electronics & Communication Engineering, Saveetha Engineering College.
  69. 27-06-2020 to 10-07-2020 - Participated in a Two Week online Faculty Development Program on "INTERNET OF THINGS" organized by Department of Electronics & Communication Engineering, VIKAS College of Engineering and Technology.
  70. 22-06-2020 to 05-07-2020 - Participated in a Two Week online Faculty Development Program on R Language and RStudio conducted by the Department of Computer Science and Engineering, Cambridge Institute of Technology, Bangalore in association with Spoken Tutorial Project IIT Bombay. (Received a merit certificate)
  71. 22-06-2020 to 05-07-2020 - Participated in a Two Week online Faculty Development Program on Python conducted by the Department of Electronics and Communication Engineering, JSS Academy of Technical Education, Noida and Spoken Tutorial

- Project IIT Bombay funded by National Mission on Education through ICT, MHRD, Govt of India.
72. 29-6-2020 to 3-7-2020 – One Week Online Short Term Course on “Block Chain and Machine Learning”, organized by Dept. of CSE, Gurukula Kangri Viswavidyalaya, Haridwar in Technical collaboration with IBM & AICTE.
  73. 28-6-2020 to 2-7-2020 – One Week Faculty Development programme on “Role of Machine Learning & Data Sciences in AI”, organized by Department of CSE and M&H, MGIT, Hyderabad
  74. 28-6-2020 to 2-7-2020 – One Week online Refresher Course on “Bharatiya Chaitanyam”, organized by Geervana Bharathi of Chaitanya Samskruthi of CBIT, Hyderabad.
  75. Faculty Development Programme on “Fundamentals of Artificial Intelligence”, Sep-Dec 2020, NPTEL-AICTE Online FDP Course (12 Week)
  76. 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.
  77. Successfully Completed Machine learning Specialization and 15 Plus coursera courses
  78. 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.
  79. 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.
  80. 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
  81. 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.
  82. 17-06-2020 - Online Workshop on Social Responsibility and Community Engagement conducted by “Chaitanya Bharathi Institute of Technology” and Scored 100% in the Quiz.
  83. 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 PMMMMNMTT.
  84. 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.
  85. 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
  86. 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.
  87. 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
  88. 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.
  89. 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.
  90. 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
  91. 5-6-2020 to 6-6-2020 – online Faculty programme on “Outcome Based Education” by Sri Mankula Vinayagar Engineering College, Puducherry

92. 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
93. 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.
94. 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.
95. 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
96. 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
97. 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)
98. 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
99. 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
100. 5-5-2020 to 14-5-2020 -Online FDP on "Machine Learning and Its Applications" from 2-5pm organized by EICT IIT Roorkee
101. "Foundations to Open Education and OERs Repositories" organized by UNED Abierta in association with IEEE Education Society in the month of April 2020.
102. SQL, HTML Courses from Solo Learn, April 2020
103. "Python 3 Tutorial" Course from Solo Learn, March 2020
104. Faculty Development Programme on "Computer Networks and Internet Protocol (CNIP)", Jan-April 2020, NPTEL-AICTE Online FDP Course (12 Week)
105. Faculty Development Programme on "NBA Accreditation and Teaching-Learning in Engineering (NATE)", Jan-April 2020, NPTEL-AICTE Online FDP Course (12 Week)
106. Faculty Development Programme on "Industry 4.0 and Industrial Internet of Things (IIOT)", Jan-April 2020, NPTEL-AICTE Online FDP Course (12 Week)
107. Attended various MHRD IIC Cell, Leadership Talks, NPTEL Live Series, Online Quizzes and many Webinars during the COVID 19 Lockdown

Details of Journal Publications/  
Conferences (National and  
International)

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

1. Bhavani A, B. Indira published a paper entitled " Forecasting near-term arrival delay times in freight rail operations with data-driven models", in Proceedings of AIP(American Institute of Physics) Conference, ISSN 0094-243X, E-ISSN: 1551-7616, Dec, 2025, DOI: 10.1063/5.0291657
2. Srujana Inturi, Swarna Latha, Guda Vanitha, B. Indira published a paper entitled " VirtualMe : A Large Language Model – Powered Chatbot for Enhanced Human Computer Interaction" in Proceedings of International Conference on Machine Learning and Autonomous Systems (ICMLAS-2025), IEEE Xplore Part Number: CFP258A9-ART; ISBN: 979-8-3315-0574-5.
3. Damera Vijay Kumar, Vanitha G, Indira B, Sirisha G, V. Ramesh published a paper entitled "Improved snake optimization-based task scheduling in cloud Computing", in Computing, impact factor 3.3, August 2024, ISSN 0010-485X, Springer Nature (Q1)
4. DOI : 10.1007/s00607-024-01323-9
5. K. R. Srinath and Dr. B. Indira published a paper entitled " Context-preserving Sentiment Classification Using Bi-TCN and Bi-GRU with Multi-head Self-attention", in Journal of Soft Computing and Data Mining, e-ISSN: 2716-621X, Volume 15, Issue 1, Pages 31 – 45, impact factor 0.876, June 2024. Penerbit UTHM (Q2)
6. DOI: 10.30880/jscdm.2024.05.01.003
7. K. R. Srinath and Dr. B. Indira published a paper entitled, "ConvBiGRU deep learning classifier for sentiment analysis with optimization algorithm" in Multimedia Tools and Applications, (ISSN 1380-7501) , Springer publishers, March 2024, impact factor 3.6 (Q1)



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9. M. Chandana, Ramesh Ponnala, B. Indira published a paper entitled "Hybrid Models for PCOS prediction using Machine Learning algorithms to address class imbalance" in Proceedings of IEEE, International Conference on Advances in computation, Communication and Information Technology (ICAICCIT-2023), 979-8-3503-4438-7/23/\$31.00 ©2023 IEEE.
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12. Vadityavath Prashanth and Dr. B. Indira published a paper entitled "Innovative Solutions For Sustainable Agriculture: IoT –Driven Irrigation" in International Journal of Research and Analytical Reviews (IJRAR), (E-ISSN 2348-1269, P-ISSN 2349-5138) Vol-10, Issue-4, December 2023, PP 206-212, impact factor 7.17,  
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13. Shivapriya and Dr. B. Indira, published a paper entitled "CROWD ANOMALY DETECTION USING CNN/RNN", in Juni Khyat ISSN: 2278-4632 (UGC Care Group I Listed Journal) Vol-13, Issue-11, November 2023, PP 207-211, impact factor 6.625,  
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14. Sai Koushik and Dr. B. Indira published a paper entitled "Dia-Analyze: A Comprehensive Data Analytics Suite for Type 2 Diabetes" Juni Khyat ISSN: 2278-4632 (UGC Care Group I Listed Journal) Vol-13, Issue-11, November 2023, PP 67-80, impact factor 6.625, [http://junikhyatjournal.in/no\\_1\\_Online\\_23/18\\_online\\_nov.pdf](http://junikhyatjournal.in/no_1_Online_23/18_online_nov.pdf)
15. Dr. B. Indira and G. Akanksha published a paper entitled "Unraveling the impact of Weather conditions on Air Quality Prediction Through Explainable Deep Learning" Juni Khyat ISSN: 2278-4632 (UGC Care Group I Listed Journal) Vol-13, Issue-11, November 2023, PP 48-56, impact factor 6.625,  
[http://junikhyatjournal.in/no\\_1\\_Online\\_23/16\\_online\\_nov.pdf](http://junikhyatjournal.in/no_1_Online_23/16_online_nov.pdf)
16. Dr. B. Indira and Pravallika published a paper entitled "Machine Learning Techniques for length of stay prediction in Emergency Departments for Patients" Juni Khyat ISSN: 2278-4632 (UGC Care Group I Listed Journal) Vol-13, Issue-09, September 2023, PP 170-176, impact factor 6.625  
[http://junikhyatjournal.in/no\\_1\\_Online\\_23/43\\_online\\_sept.pdf](http://junikhyatjournal.in/no_1_Online_23/43_online_sept.pdf)
17. Dr. B. Indira and Ch. Meghana published a paper entitled "Revolutionizing Accident Detection and Analysis :An Innovation Vision Based Traffic Surveillance System" Juni Khyat ISSN: 2278-4632 (UGC Care Group I Listed Journal) Vol-13, Issue-09, September 2023, PP 223-230, impact factor 6.625  
[http://junikhyatjournal.in/no\\_1\\_Online\\_23/50\\_online\\_sept.pdf](http://junikhyatjournal.in/no_1_Online_23/50_online_sept.pdf)
18. R. Sudha , B. Indira , M. Kalidas , Kalluri Rama Krishna , M. Jithender Reddy , G.N.R. Prasad published a paper entitled "E-co" Vol. 14 (3): PP: 786-791, E-ISSN: 2231-6396, mmerce in the B2B market: solutions for the point of sale", in The Scientific Temper (2023) ISSN: 0976-8653, DOI: [doi.org/10.58414/SCIENTIFICTEMPER.2023.14.3.34](https://doi.org/10.58414/SCIENTIFICTEMPER.2023.14.3.34), September 2023.
19. G. N. R. Prasad, Y. Sri Lalitha, Y. Gayatri, and B. Indira published a paper entitled "Swasth: An Inverse Cooking Recipe Generation from Food Images", under exclusive license to Springer Nature Switzerland AG 2023 , A. Abraham et al. (Eds.): SoCPaR 2022, LNNS 648, pp. 871–878, 2023. [https://doi.org/10.1007/978-3-031-27524-1\\_85](https://doi.org/10.1007/978-3-031-27524-1_85)
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21. K. Dileep and Dr. B. Indira published a paper entitled "Sentimental Analysis of Customer Product Reviews Using Machine Learning", International Journal of Engineering Technology and Management Sciences Website: [ijetms.in](http://ijetms.in) Issue: 6 Volume No.6 October - November – 2022 DOI:10.46647/ijetms.2022.v06i06.067 ISSN: 2581-4621, Impact Factor 5.672, page no. 378 - 381
22. K. Ruchiha and Dr. B. Indira published a paper entitled "Cervical Cancer Diagnosis Using Deep Networks Over Different Activation Functions ", International Journal of Current Science (IJCS PUB) [www.ijcspub.org](http://www.ijcspub.org). Volume 12, Issue 4, October 2022, ISSN 2250-1770, page no. 409-413, impact factor 8.17, [http://ijcspub.org/viewfull.php?&p\\_id=IJCSP22D1046.pdf](http://ijcspub.org/viewfull.php?&p_id=IJCSP22D1046.pdf)
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25. D. Sharath Chander and Dr. B. Indira Reddy published a paper entitled "Detection Of Cyberbullying On Twitter Using Machine Learning", International Journal Of Computer Engineering And Applications (IJCEA), Volume XVI, Issue VI, JUNE 22, ISSN 2321-3469, page no. 143-149, impact factor 6.119, UGC Approved Journal 44835.
26. T. Vamshi Mohana and Baddam Indira published a paper entitled "Study And Analysis of Impact of Bigdata on social media", Journal of XIAN University of Architecture and Technology", JXAT journal, ISSN 1006-7930, Volume XIII, Issue 12, December 2021, Impact factor 3.7, Page No: 154-168, <https://www.xajzkjdx.cn/Vol-13->

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30. T. Vamshi Mohana and Baddam Indira published a paper entitled "Analysing Different Techniques Of Analysing The Large Social Media Information Through Big Data Analytics", in GIS SCIENCE JOURNAL, ISSN NO : 1869-9391, VOLUME 8, ISSUE 12, December, 2021. PP 328-334. <http://www.gisscience.net/VOLUME-8-ISSUE-12-2021/>
31. KESHETTI SREEKALA and B. INDIRA published a paper entitled "Organizing lot Health Care Based On Fog Computing: Corona Tasks Scheduling Based On The Priority", in Advances and Applications in Mathematical Sciences Volume 20, Issue 12, October, 2021, ISSN No. 0974-6803, Pages 3194-3204 © 2021 Mili Publications, India. (Web of Science)
32. Dr.B.Indira & Sandeep Kalari published a paper entitled "Hydroponics Farming using IOT and Temperature Prediction" in Pensee International Journal, Volume 51, Issue 7, July 2021, [www.penseeresearch.com](http://www.penseeresearch.com) ISSN 0031-477, impact factor 6.0, <https://penseeresearch.com/index.php/vol51issue7-1/>, PP 363-371.
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35. Dr.B.Indira, Dr. D. Lalitha Devi and prof.S. Jeelani published a paper entitled "A Statistical Case Study on Usage of ICT in Teaching in Various Schools and Colleges of Secunderabad and Hyderabad" Science and Engineering Journal, ISSN NO: 0103-944X, **Impact Factor 4.321**, pp. 38-45, Vol. 24, Issue 09, September, 2020 (Scopus Indexed)
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37. 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
38. 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)
39. 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)
40. 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)
41. 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.
42. 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)
43. 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.
44. 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)
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Fundus Images Using  $3\sigma$  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 978-1-5090-4442-9/17/\$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

48. 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 978-1-5090-4442-9/17/\$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.
49. 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.
50. 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 Conference Proceedings / National Conferences from the Year 2017

51. 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.
52. 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)
53. 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.
54. 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.
55. 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.
56. 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.
57. 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.
58. 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.