Profile of Faculty

Name	BODDU RAJA SARATH KUMAR
Designation	PROFESSOR
department	COMPUTER SCIENCE ENGINEERING
Date of Birth	08-06-1968
AICTE Unique ID	
Education Qualifications	B.E(CIVIL),M.Tech(CSE),Ph.D(A.U), PGCBA(IIM-V)
Work Experience	
Teaching	21 years
Research	4 years
Industry	-
others	-
Area of Specialization	Data Science, Machine Learning, Big Data
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma level	UG: Software Engineering, Web Technologies, Database Management Systems, Advance Data Structures, and C, Java with Data Structures PG: Machine Learning, Web Technologies and Database Management Systems
Research guidance (Number of Students)	UG-8 Batches, PG-16
No. of papers published in National/ International Journals/ Conferences	National Journals – 4 National Conferences - 6 International Journals – 21 International Conferences - 19
Master (Completed/Ongoing)	16
Ph.D. (Completed/Ongoing)	-
Projects Carried out	-
Patents (Filed & Granted)	Filed & Granted -7 1. Invention Title: Sensor Based Intelligent Robotic Arm to Vaccinate People Against COVID-19 Application Number: 202141026824 A Journal, Issue Number, Year: The Patent Office Journal No. 27/2021 Dated 02/07/2021 Publisher: IP Office Journal of the Indian Patent Office Publication Link:https://ipindia.gov.in/writereaddata/Portal/IPOJournal/1_4991_1/Part-1.pdf 2. Invention Title: Design of IOT System Based on Contiki Operating System for Engineering Applications Application Number: 201941051464 A Journal, Issue Number, Year: The Patent Office Journal No. 51/2019 Dated 20/12/2019 Publisher: IP Office Journal of the Indian Patent Office Publication Link:https://ipindia.gov.in/writereaddata/Portal/IPOJournal/1_4821_1/Part-1.pdf

	3.Invention Title: Disease Analysis by Machine Learning Over Data from Health Community Application Number: 202031001339 A Journal, Issue Number, Year: The Patent Office Journal No.6 /2020 Dated 02/07/2020 Publisher: IP Office Journal of the Indian Patent Office Publication Link:https://ipindia.gov.in/writereaddata/Portal/IPOJournal/1_4840_1/Part-1.pdf 4.Invention Title: an artificial intelligence-based system to assist blind person Application Number 2020101563 Journal, Issue Number, Year IP Australia Batch Reference SPBI-0002296256, 9/07/2020 Publisher The Commissioner of Patents, Australia, 26 August 2020 Publication link: http://pericles.ipaustralia.gov.au/ols/auspat/ applicationDetails.do?applicationNo=20201015 5. Invention Title: Vehicle driver monitoring system using deep learning Application Number: 202111026936 Journal, Issue Number, Year: The Patent Office Journal No. 29/2021, Dated July 2, 2020 Publisher: IP Office Journal of the Indian Patent Office Publication Link:https://ipindia.gov.in/writereaddata/Portal/IPOJournal/1_4995_1/Part-1.pdf 6. Invention Title: machine learning based intelligent sensor framework to assist farmers in weather forecasting for appropriate crop cultivation Application Number: 202141047024 A Journal, Issue Number, Year: The Patent Office Journal No. 45/2021, Dated November 5, 2021 Publisher: IP Office Journal of the Indian Patent Office Publication Link: Intellectual Property India (ipindia.gov.in) 7. Invention Title: Plant Disease detection using Image processing techniques Application Number: 202141047291 Journal, Issue Number, Year: The Patent Office Journal No. 44/2021, Dated 29/10/2021 Publisher: IP Office Journal of the Indian Patent Office Publication Link: Intellectual Property India (ipindia.gov.in)
Technology Transfer	Invited lectures, Guest Lecturers or presentations: ➢ RDBMS concepts and present scenarios with IT industry V.S.Lakshmi Engineering College for women, Metlapalem, 18-03-2017 ➢ Importance of software engineering in IT industry Kakinada Institute of technology and science, Divili, 17-03-2017

	➢ Emergence of cloud computing in IT Cloud big data, a cloud hybrid group company, Hyderabad, 17-02-2017 ➢ Data mining concepts and latest trends Embedded solutions, Hyderabad, 18-01-2017 ➢ Data structures in Java Embedded solutions, Hyderabad, 22-01-2016 ➢ AI: Collaborative Filtering Algorithms Welfare institute of science technology and management, Visakhapatnam, 10-02-2016 ➢ Importance of software engineering in IT industry V. S. Lakshmi Engineering College for women, Metlapalem, 22-08-2016 ➢ Machine learning: importance and practices Welfare institute of science technology and management, Visakhapatnam, 15-10-2015 ➢ Machine learning and Artificial Intelligence concepts and usage Matchwell technology solutions, Visakhapatnam, 23-12-2016 ➢ Data structures in C++ Embedded solutions, Hyderabad, 27-01-2015 ➢ Big data concepts Welfare institute of science technology and management, Visakhapatnam, 10-11-2015 ➢ Issues on data mining and ware housing Aditya institute of technology and management, Tekkali, 25-11-2015 ➢ Data structures in C++ Venky's vision IT solutions, Hyderabad, 28-01-2015 ➢ Web technologies and its designing of web pages, Benaiah Institute of Technology and Science, Rajahmundry, 09-10-2014 ➢ Recent trends in data mining Welfare institute of science technology and management, Visakhapatnam, 10-12-2014 ➢ Networks and its latest trends in IT, Benaiah Institute of Technology and Science, Rajahmundry,17-11-2013
Research Publications (No.of papers published in National/International Journals/Conferences)	[50]S. S. Kumar, D. Kapila, **R. S. K. Boddu**, D. K. Sharma, M. Tiwari and M. Naved, "Implementation of Data Mining Tools to Classify Protein Structural Class from Residue Based Averaged NMR Chemical Shifts," 2021 International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA), pp. 1-4, 2021. [49] Shahina Parveen M , U. Sakthi , Mrs. Thamari Thankam , T. Anjikumar , P. John Augustine , **Raja Sarath Kumar Boddu**, "A Novel Twdlnn And Mining Based Breast Cancer Prediction System in A Big Data Environment", International Journal of Future Generation Communication and Networking Vol. 14, No. 1, pp. 943–952, ISSN: 2233-7857, 2021. [48] **R. S. K. Boddu**, "Internet of Things (IoT): Accelerating the Digital transformation of Healthcare system," 2021 7th International Conference on Advanced Computing and Communication Systems (ICACCS), pp. 1716-1720, 2021. [47]Inayath Ahamed S B, **Dr. Raja Sarath Kumar Boddu**, Dr. Minirani S, Dr. Mohd Naved, Dr. Dinesh Sheshrao Kharate, "IoT in Public Transport System with Connected Passenger Economy and Business for SEPTA on Current second wave Covid-19 Situations", International Journal of Future Generation Communication and Networking Vol. 14, No. 1, pp. 2214-226, ISSN: 2233-7857, 2021. [46] **Raja Sarath Kumar Boddu**, Ashwinkumar A. Santoki, Shopita Khurana, Poonam Vitthal Koli, Ravi Rai, Abhishek Agrawal,"An analysis to understand

the role of machine learning, robotics and artificial intelligence in digital marketing" ,ISSN 2214-7853, 2021.

[45]**Raja Sarath Kumar Boddu**, Dhruva Sreenivasa Chakravarthi, Nallanti Venkateswararao, D. S. K. Chakravarthy, Agilandeswari Devarajan,Pankaj Ramakant Kunekar, "The Effects of Artificial Intelligence and Medical Technology on the Life of Human", Journal of Pharmaceutical Research International 33(50A): 25-32, Article no.JPRI.76516 ISSN: 2456-9119 (Past name: British Journal of Pharmaceutical Research, Past ISSN: 2231-2919, 2021.

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No. of Books published with details (Name of the book, Publisher with ISBN, year of publication, etc	1. Authored a book titled "*An Introduction on Cybercrime and Preventive Security Measures*" published at Willette Graphics, Gokavaram with ISBN 978-93-5311-032-1 in 2018. 2. Authored a book titled "Machine Learning: a comprehensive practical approach with innovative concepts" at INS international publishers with ISBN 978-1-68576-013-7 in 2021