Sri Sai Ram Engineering College

Department of Information Technology

Name :	**S. V Juno Bella Gracia**
Designation:	**Associate Professor**
Qualification :	**M.Tech (Ph.D)**
Area of Specialization :	**Fog Computing, Machine Learning**
Experience :	**15 years**

Research and Publication	• S. V. Juno Bella Gracia, J. G. Ponsam, S. Mani, K. Saravanan and P. R G, "Predictedge Intelligent ML For Strategic Decision Making," 2025 International Conference on Computing and Communication Technologies (ICCCT), Chennai, India, 2025, pp. 1-6, doi: 10.1109/ICCCT63501.2025.11019324. • Juno Bella Gracia S. V, J. Godwin Ponsam, H. Prasanth A and N. D. Tr, "Integrating Real-Time Health Data with Emergency Services for Improved Outcomes," 2024 International Conference on Power, Energy, Control and Transmission Systems (ICPECTS), Chennai, India, 2024, pp. 1-6, doi: 10.1109/ICPECTS62210.2024.10780142. • Juno Bella Gracia S. V, J. G. Ponsam, V. R. and Y. K. S., "A Comprehensive IoT Solution for Automated Billing and Interactive Shopping Experiences Through a Smart Trolley," 2025 International Conference on Computing and Communication Technologies (ICCCT), Chennai, India, 2025, pp. 1-7, doi: 10.1109/ICCCT63501.2025.11019528. • Juno Bella Gracia S. V, J. G. Ponsam, Y. B, J. J and D. B. P S, "A Study on Fast Detection and Evaluating YOLOV5,YOLOV6,YOLOV7 and YOLOV8," 2025 International Conference on Computing and Communication Technologies (ICCCT), Chennai, India, 2025, pp. 1-5, doi: 10.1109/ICCCT63501.2025.11020238. • J. Godwin Ponsam, S.V. Juno Bella Gracia, G. Geetha, Thenmozhi, K. Nimala," Extraction in Digital Forensic Investigation based on Video Enhancement and Machine Learning , IEEE 10th International Conference in Internet of Everything, Microwave Engineering, Communication and Networks, Proceeding, 2021 • J. Godwin Ponsam, S.V. Juno Bella Gracia, G. Geetha, S. Karpagaselvi, K. Nimala" Credit Risk Analysis using LightGBM and a comparative study of popular algorithms", IEEE 4th INTERNATIONAL CONFERENCE ON

	COMPUTING AND COMMUNICATIONS TECHNOLOGIES (ICCCT' 21)
	• Integrating Real-Time Health Data with Emergency Services for Improved Outcomes, S.V., Juno Bella Gracia, S. V., J.G., Ponsam, J. Godwin, A., Hari Prasanth, A., T.R., Naveen Dravid, T. R.
	• Stress Detection Using Facial Image and Voice Detection, G.Geetha, S.V.Juno Bella Gracia, Dr.K.Mohana Prasad, Dr.J.Godwin Ponsam, Dr.K.Nimala, M.Jananee ICIIET7850, Volume , Year 2022, Pages
	• Targeting and Automation with Digital Analytics, S.V.Juno Bella Gracia, V.Narmadha, S.Purushothaman,Management Analytics and Software Engineering, Volume © 2021, ESN Publications, First Edition: 2021, Year 2021, Pages 167-180
	• Social Credit Score System,Gracia S.V.J.B.;Ponsam J.G.;Vasanthi R.;Meera E., 2021 5th International Conference on Computer, Communication, and Signal Processing, ICCCSP 2021, Volume , Year 2021, Pages 122-124
	• Payment fraud detection using machine learning techniques,Gracia S.V.J.B.;Ponsam J.G.;Preetha S.;Subhiksha J.G.K.,Proceedings of the 2021 4th International Conference on Computing and Communications Technologies, ICCCT 2021, Volume , Year 2021, Pages 623-626
	• GeoSpatial Technology,S.V.Juno Bella Gracia, V.Narmadha, S.Purushothaman, ESN Publications, India, Volume , Year 2021, Pages 167-180
	• Detection of fraudulent behaviours using graph cluster analysis on unsupervised datasets,Rekha G.;Juno Bella Gracia S.V.;Suresh Kumar M., 12th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2021, Volume 2021-August, Year 2021, Pages 784-788
	• Courier Service Management And Tracking Using Android,Application,Sheeba Rachel S1 , Juno Bella Gracia S.V2 , Renukadevi B3 , Balaji P4 , Mohammed Imran Hussain M5 UGC Journal, Volume 40, Year 2020, Pages 318 -321
	• Multi Parametric Healthcare System (MHS),Juno Bella Gracia,Padmapriya S, Mehrunnisa S,Test Engineering and Management, Volume 83, Year 2020, Pages 8302-8305
	• Side Channel Analysis-A, demonstrative Approach on a 128-Bit AES Algorithm,Ponsam J.G.;Gracia S.V.J.B.;Geetha G.;Karpagaselvi S.;Safa M.,ICPECTS 2020 - IEEE 2nd International Conference on Power, Energy, Control and Transmission Systems, Proceedings, Volume , Year 2020
	• Blockchain Based Aadhaar, S V Juno Bella Gracia; D Raghav; R Santhoshkumar; B Velprakash,2019 Proceedings of the 3rd

	International Conference on Computing and Communications Technologies. ● Connect farmer, S.V.Juno Bella Gracia, S, M.R, Sonali, N, Sowmya, P, Suja, International Journal of Engineering and Technology(UAE), Volume 7, Year 2018, Pages 181-183.
Patent	1. SFM – Smart Inventor(s): L.N.B.Srinivas, K.Dhinakaran, M.N.Kathirvel, G.Maragatham,A.shanthini, P.Selvaraj, K.Anusha, M.Asha Jerlin, S.Nithya, Akila Victor, S.V.Juno Bella Gracia, Assignee: Sri Sai Ram Engineering college. Published: 2020-08-21. 2. An AI based system and method for providing interference aware scheduling in cloud environment thereof"Inventor(s): Dr.G.Adiline Macriga, S.V.Juno Bella Gracia, Dr.J.Godwin Pnsam, Mrs.G.Geetha, Mrs.S.Ramya, Dr.K.Nirmala, Assignee: Sri Sai Ram Engineering College. Published: 2022-10-1
Book Chapter	3. "Software Robot for Next Generation Industries Using RPA 35" in Hyperautomation for Next-Generation Industries, Authors S.V. Juno Bella Gracia, J. Godwin Ponsam, S. Sheeba Rachel and R. Gayathiri, Pg.No.36-53, DOI:10.1002/9781394186518 @Scrivener Publishing LLC,2024 4. "Targeting and Automation with Digital Analytics", Management Analytics and Software Engineering, S.V.Juno Bella Gracia, V.Narmadha, S.Purushothaman, Pg.No.167-180, © 2021, ESN Publications, First Edition: 2021
Book	1. Machine Learning, S.Sheeba Rachel, S V Juno Bella Gracia, Suganthi P, Subathra K, Prime International Publication.
Trainings and Workshops Attended	1. Attended FDP on Java Full Stack organized by WIPRO from 24-07-2023 to 11/08/2023 for 15 days 2. Attended FDP on Celonis Process Mining using Executive Management System organized by ICTACT from 31.10.2023 to 02.11.2023 3. Attended a Faculty Development Programme on No Code Low Code from 19/12/2022 and 21/12/2022 organized by Sri Sairam Engineering college in association with LTI MindTree 4. Attended a Workshop on AUTO CAD HANDS ON TRAINING

	from 3.12.2020 TO 11.12.2020 organized by department of Information Technology, Sri Sairam Engineering College . 5. Attended a Faculty Development Programme onPRACTICAL CYBERSECURITY FROM SCRATCH organized by ICTACT from 13.7.2020 TO 17.7.2020 at SRM University 6. Attended a Faculty Development Programme on INTRODUCTION TO PYTHON PROGRAMMING organized by ICTACT from 18.6.2020 TO 24.6.2020 7. Attended an online workshop on CYBER SECURITY & ETHICAL HACKING from 19.4.20 TO 21.4.20 organized by AICL 8. Participated in a National Level Technical Workshop on J2EE Architecture and Application Development –Theory and Practice conducted at Francis Xavier Engineering College on 28th August 2004. 9. Attended Faculty Development Program on Data Warehousing & Data Mining on 26thJuly, 2013 at Cognizant. 10. Attended Faculty development programme On Mobile application development laboratory 08.01.16 & 09.01.16 at Sri Sai Ram Engineering College. 11. Attended Tutorial Session for "Advanced Communication Technologies" conducted during 2015 International Conference on Computing and Communications Technologies at Sri Sairam Engineering College.

Funds Received	1. Rs.1,00,000 from AICTE SPICES scheme for student club development activities 2. IEEE SPAx funding - S250
Funded Project	1. Co-Principal Investigator for the Research and development project aimed at developing a Machine Learning (ML) model for the early detection of Diabetic Retinopathy (DR), Funded by Nexthria Health Tech Pvt. Ltd, for Rs.16,00,000.
Honors and Awards	1. Huawei Academic collaboration Award – 2022 from Huawei Corporation, Huawei India Pvt Ltd. 2. Best mentor award – 2021, Sri Sai Ram engineering College 3. NPTEL Mentor Appreciation for cloud computing – 2019, NPTEL – SWAYAM. 4. Best Paper Award – 2012, "Performance Enhancement in AODV using Probabilistic Route Discovery and Priority Route Maintenance" in a National Conference on Emerging trends in Information & Communication technologies (ETICET '12) which was held on 14th March 2012