



**GVP COLLEGE OF ENGINEERING FOR WOMEN**  
**MADHURAWADA::VISAKHAPATNAM**  
 (Affiliated to JNTUK, Approved by AICTE, New Delhi)  
 (Accredited to National Board of Accreditation (NBA))

**Department of Information Technology**

1. Books/Book Chapters authored by faculty in the format

<b>All authors Names</b>	<b>Book Title</b>	<b>Book Chapter</b>	<b>Publishers</b>	<b>1<sup>st</sup> Publication Year</b>
<b>T. K. Dash and D. K. Bebarta</b>	Intelligent Systems: Advances in Biometric Systems, Soft Computing, Image Processing and Data Analytics	<b>PART-I:</b> Biometric Systems and Image Processing. <b>Chapter-1:</b> Intelligent Techniques: An Overview	Publisher: Apple Academic Press (USA)	Jan-2020
<b>D. K. Bebarta, Birendra Biswal</b>	Handbook of Research on Automated Feature Engineering and Advanced Applications in Data Science	<b>Chapter-12:</b> Computationally Efficient and Effective Machine Learning Model using Time Series Data in Different Prediction Problems	IGI-Global, USA	Jan-2021

2. Patents obtained by faculty in the format

<b>Name of persons who hold the patent</b>	<b>Class/Category</b>	<b>Title</b>	<b>Patent No.</b>	<b>Year</b>
Dhal, S. K., Prasad, S., Haritha, D., Satpathy, R., <b>D. K. Bebarta</b>		AI Based Method and Apparatus for Stamping Driving Assistance Based Signs on a Road.	Application No.202031024135 A	Oct-2020

3. Publications of faculty that have appeared in top ranking journal as per JCR-Clarivate i.e., as per the impact factors received by journals in JCR-2020 in the format

<b>Author Names</b>	<b>Title of the Paper</b>	<b>Journal Name</b>	<b>Yr of Publication</b>	<b>If as per JCR-2020</b>
M. H. Lakshmi; <b>G. Sudheer</b> ; Y. Vasudeva Rao	Effect of Pleural Membrane on the Propagation of Rayleigh Waves in Inflated Porous Lungs – A Study	IEEE Access	June-2019	3.367
B Biswal, E Vyshnavi, <b>D K Bebarta</b> , G Sahu	Robust segmentation of optic disc and optic cup using statistical Kurtosis test	International Journal of Imaging Systems and Technology, Wiley	Dec-2019	2.000
B.P.V. Dileep, Pranab K. Dutta, P.M.K. Prasad, <b>M. Santhosh</b>	Sparse recovery based compressive sensing algorithms for diffuse optical tomography	Optics and Laser Technology, Elsevier,	March 2020	3.867
G. Srikanth <b>G. Sudheer</b>	A note on the solutions of cubic equations of state in low temperature region	Journal of Molecular Liquids	Oct-2020	6.165
<b>Bebarta, D. K.</b> , Das, T. K., Chowdhary, C., Gao, X. Z.	An Intelligent Hybrid System for Forecasting Stock and Forex Trading Signals using Optimized Recurrent FLANN and Case-Based Reasoning	International Journal of Computational Intelligence Systems, Published by Atlantis Press	June-2021	1.838
S. Anand Kumar <b>G. Sudheer</b>	Influence of the oxide layer on the quality of bonding in adhesively bonded metallic structures by ultrasonic guided waves	Journal of Adhesion and Adhesives	Dec-2021	3.189

Note: for last three academic years May-2019 to till date.