



**VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN
(AUTONOMOUS)**

DEPARTMENT OF INFORMATION TECHNOLOGY

FACULTY PUBLICATION IN PATENT/ BOOKS/BOOK CHAPTER

From (June 2020 to May 2021)

S.No	Month and Year	Name of the Faculty	Title of the Patent/Book Chapter	Name of the Patent/ Book/ Book Chapter	Published/ Approved/ Granted & Date	Application No / ISBN & Year
1.	June 2020	Mr.K.Hariprasath	Smart Opaque Glass Device for Blind	Indian Patent	Published 12.06.2020	202041022903
2.	Sep 2020	Dr.M.Sayeeekumar	An Iot Based Smart And Efficient Wireless Power Transmission System	Australian Patent	Granted 02.09.2020	2020101733
3.	Sep 2020	Dr.N.M.Saravana kumar	Hair Growth Anti-Dandruff Scalp Caring Nanoemulsion Oil for External Use	Indian Patent	Published 11.09.2020	201941035745
4.	Dec 2021	Mr.T.Saravanan	An IOT Based Self Phased Heating Blanket	Indian Patent	Published 10.12.2021	202141056296
5.	Dec 2021	Mr.U.Prakash	An IOT Based Self Phased Heating Blanket	Indian Patent	Published 10.12.2021	202141056296
6.	Dec 2021	Dr.E.Menaka	An Image Recognition Based Rotating TV Screen to adjust to the view of viewer	Indian Patent	Published 10.12.2021	202141055169
7.	Dec 2021	Mr.E.Thangadurai	An Iot Based Smart Cooker That Is Pre-Programmed For Various Recipes	Indian Patent	Published 23.12.2021	202141060465
8.	May 2022	Mr.K.Hariprasath	Deep Learning Model for Diagnosing Diabetes	Principles and Methods of Explainable Artificial Intelligence in Healthcare	Book Chapter Published May 2022	ISBN13: 9781668437919 ISBN10: 1668437910 EISBN13: 9781668437926

9.	Nov 2021	Mr.K.Hariprasath	Introduction to Nature Inspire Computing Chapter No.1	Nature Inspired Algorithms and Their Applications	Book Chapter Published 19.11.2021	ISBN 9781119681748
10.	Nov 2021	Mr.K.Hariprasath	Performance Analysis of Nature Inspired Algorithms in the Breast Cancer Diagnosis Chapter No. 10	Nature Inspired Algorithms and Their Applications	Book Chapter Published 19.11.2021	ISBN 9781119681748
11.	Aug 2022	Dr.E.Menaka	5G and IOT Networks Risk Management	Secure Communication for 5G and IOT Networks	Book Chapter Published	ISBN 9783030797669

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DEPARTMENT OF INFORMATION TECHNOLOGY

STUDENT PUBLICATION IN JOURNAL/ BOOKS/BOOK CHAPTER

From (June 2020 to May 2021)

S.No	Month and Year	Name of the Faculty	Title of the Paper	Name of the Journal/ Book/ Book Chapter	SCI/ Scopus/ UGC & Impact Factor	Vol, Issue, ISSN, Year
1.	June 2020	N.Renuka	A Survey on Diabetes Diseases Prediction Using Data Mining Techniques	International Journal of Research and Analytical Reviews (IJRAR)	UGC	Vol. 7, Issue 2 ISSN:2349-5138
2.	June 2020	P.Geerthana, A.Priyadharshini	A Survey on Early Prediction of Thyroid Disease Using Data Mining Techniques	International Journal of Research and Analytical Reviews (IJRAR)	UGC	Vol. 7, Issue 2 ISSN:2349-5138
3.	June 2020	S.Merena	Secure and High Velocity Digital Transactions Using Blockchain Technology: A Survey	International Journal of All Research Education & Scientific Methods (IJRESM)	4.308	Vol. 3, Issue-6 ISSN: 2581-5792
4.	Nov 2020	A.Kavinya, N.Kaviya Varshini	A Study on Forecasting Bigmart Sales Using Optimized Machine Learning Techniques	Science in Information Technology Letter (SITL)	Scopus	Vol. 1, Issue 2 ISSN:2722-4139
5.	Nov 2020	N.Kaviya Varshini	A Survey on the Prediction of Heart Disease Using Machine Learning Algorithm	GIS Science Journal	6.1	Vol. 7, Issue .10, ISSN:1869-9391

6.	Nov 2020	A.Kavinya	A Survey on Predicting Diabetes Using Machine Learning and Deep Learning	GIS Science Journal	6.1	Vol. 7, Issue .10, ISSN:1869-9391
7.	January 2021	S.Merena	Electronic Health Care Record Using Block chain Technology	International Journal of Engineering Research and Applications (IJERA)	-	Vol .11, Issue 1 ISSN: 2248-9622
8.	February 2021	K.Lalithavani	Skin Disease Prediction Using Deep Learning Algorithms	PENSEE	-	Vol .51, Issue 2 ISSN: 0031-4773
9.	February 2021	A.Kavinya N.Kaviya Varshini	Detection of Stages of Melanoma using Deep Learning	Multimedia Tools and Applications, Springer Nature	SCIE, Scopus & UGC care 2.313	Vol .80, Issue 12 ISBN: 1573-7721
10.	March 2021	N.Renuka	Plant Leaf Diseases Detection Using Deep Learning	International Journal of All Research Education & Scientific Methods (IJARESM)	Impact Factor: 7.429	Vol. 9, Issue 3 ISSN: 2455-6211
11.	March 2021	S.Merena	Advanced Sensor for Monitoring Buoy System Marine Environments	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	-	Vol. 3, Issue 2 ISSN: 2581-9429 (online)
12.	March 2021	P.Geerthana, N.Renuka	Block chain Technology Based Voting System Using Iris Recognition Technique	Journal of Computational and Theoretical Nanoscience (JCTN)	-	Vol. 17, Issue 1-5 ISSN: 1546-1955
13.	Apr 2021	N.Kaviya Varshini	AI for Bio-Sensored Detection of Tuberculosis	Springer	-	Vol .10 Issue 1 ISSN: 2192-6670
14.	May 2021	P.Baby Priyadharshini	Border Security and Tracking	International Journal of All	-	Vol. 9, Issue 5

			System for Fisherman using RSSI	Research Education & Scientific Methods (IJARESM)		ISSN: 2455-6211
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