



PRAGATI ENGINEERING COLLEGE (Autonomous)

1-378, ADB Road, Surampalem, E.G.District, A.P. - 533 437
(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada & Accredited by NAAC with 'A' Grade)
(Recognised by UGC Under Sections 2 (f) and 12 (b) of UGC act, 1956)
Ph : 08852 - 252233, 252234, 252235, Fax : 252232, Website : www.pragati.ac.in
(Sponsored by Gayatri Educational Society)

D.No. 2-24-4/2, Ground Floor, Janmabhoomi Park Road, Srinagar, Kakinada - 3, Ph : 0884 - 2355900, Fax : 2363900

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Research and Development A.Y 2022-2023

Faculty Publications

Journals:

S.No	Title Of Journal	Name of The Author(s)	Name Of The Journal	Year Of Publication	ISSN Number
1.	An efficient MAPSO Model for interference cancellation and optimal channel estimation in MIMO-OFDM System	Mr.Ch.Venkateswarlu	springer	2022	022-09955
2	Smart surveillance system using computer vision methods for smart cities with IOT enabled networks	Mr.G.S.sivakumar,Dr. V.Sailaja, Dr.A.Srinivas, Dr.Sanjthkumar Dash	Neuroquantology	2022	1303-5150
3.	Designe a smart Home management system using IOT with auto ventilation and water motor	Ms.Rubia Tasneem	The international Journal of analytical and experimental modal analysis	2022-23	0866-9367
4.	Aurdino Based fire fighting robot with high Pressure water sprinkler	Mr.P.Krishna Chaithanya	Journal Of interdisciplinary Cycle Research	2022-23	0022-1945
5.	Bio medical application with variational level set classifier tool	Dr. V.Radika	International Journal Of innovative Research in Technology	2022	2349-6002
6	Application of optimum level set countour classifier tool for diagnosis of cowpox disease	Dr. V.Radika	World journal of advanced research reviews	2022	449-457
7.	An efficient FPGA implementation of Light weight Cryptographic based on AES for IOT application	Dr.Sharon Rose Victor Juvvanapudi	International Journal of Research and Analytical Reviews	2022-23	2349-5318
8.	Design and development of real time health monitoring using IOT technology	Dr. V.Sailaja	Journal Of interdisciplinary Cycle Research	2022	0022-1945
9.	An Automated Framework for detecting change in the source code and test case change recommendation	Mr.G.S.Sivakumar	International Journal on Recent and innovation Trends in computing and communication	2022-23	2321-8169
10.	Bio medical Applications using optimum stastical classifier tool	Dr. V.Radika Dr.A.Srinivas	AEGAEUM journal	2022	0776-3808



PRAGATI ENGINEERING COLLEGE (Autonomous)

1-378, ADB Road, Surampalem, E.G.District, A.P. - 533 437
(Approved by AICTE & Permanently Affiliated to JNTUK, Kakinada & Accredited by NAAC with 'A' Grade)
(Recognised by UGC Under Sections 2 (f) and 12 (b) of UGC act, 1956)
Ph : 08852 - 252233, 252234, 252235, Fax : 252232, Website : www.pragati.ac.in
(Sponsored by Gayatri Educational Society)

D.No. 2-24-4/2, Ground Floor, Janmabhoomi Park Road, Srinagar, Kakinada - 3, Ph : 0884 - 2355900, Fax : 2363900

11.	Spectrum sensing for cognitive Radio	Dr.V.Radika	Journal for Basic Science	2022-23	1006-8341
-----	--------------------------------------	-------------	---------------------------	---------	-----------

Book Chapters

S.No	Title Of Book chapter	Name of The Author(s)	Name of the Publisher	Year Of Publication	ISBN Number
1	Transformation and Future Directions of the Integrated Chip (IC) Manufacturing Industry Using Artificial Intelligence Model	Dr.V.Sailaja Mr.G.S.Sivakumar Mr.M.Ravi Kumar Mrs.B.Vasanthalakshmi Dr.P.Sunitha	IGI Global	2022	978-1-6684-4246-3
2.	Application of Human Visual System in Image Fusion Using Multi Resolution Transforms	Dr.V.Radika	Fundamental Research and Application of Physical Science Vol. 3	2022	978-81-19217-05-

Patents:

S.No	Title Of Patent	Name of The Author(s)	Date Of Filing	Application Number	Field Of Invention	Date Of Publication
1	Hybrid Ultra Fast E Vehicle Charging Station With Cloud Based Battery Management	Dr.V.Sailaja	03/08/2022	202241044435	Electrical	19/08/2022

Conferences:

S.No	Title Of Paper	Name of The Author(s)	Name of the conference	Year Of Publication	ISSN Number
1	A review Of Logarithmic Multiplier Hardware Architectures	Dr.V.Sailaja	International Conference On Decision And Sciences And applications IEEE	2022	978-1-6654-9501