



# PRAGATI ENGINEERING COLLEGE

1-378, ADB Road, Surampalem-533437

(Approved by AICTE, Permanently Affiliated to JNTUK, KAKINADA)  
Recognized by UGC under sections 2(f) & 12(b) of the UGC Act ,1956)

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## ELECTRONICS AND COMMUNICATION ENGINEERING DEPARTMENT

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Date: 12-08-2024

### PATENTS:

Academic year	Filed/ Published	Total
2023-24	3	3
2022-23	1	1
2021-22	2	2
2020-21	4	4



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### PATENTS

#### 2023-2024

S.No	Title Of Patent	Name of The Author(s)	Date Of Filing	Application Number	Field Of Invention	Date Of Publication
1	Intelligent Charging Infrastructure For Electric Vehicles With Deep Learning For Fast And Safe Charging	Dr. V.Sailaja Mr. G. S. Siva Kumar	04/02/2024	202441007537	Electrical	01/03/2024
2	Intelligent Iot-Based Maternal Health Monitoring Device With Cloud Integration	Dr Vemuri Sailaja	06/09/2023	202341060034	Bio-Medical Engineering	06/10/2023
3	Next-generation AI Chatbot with Advanced Language Understanding and Generation Capabilities	Dr.V.Sailaja	26/07/2023	202341050566	Computer Science	01/09/2023

#### 2022-2023

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



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### 2021-2022

S.No	Title Of Patent	Name of The Author(s)	Date Of Filing	Application Number	Field Of Invention	Date Of Publication
1	A System for detecting threats on IOT networks and method thereof	1.Dr.V.Sailaja 2.B.Vasantha Lakshmi 3.Mr.G.S.Sivakumar 4.Dr.P.Sunitha	30/12/2021	202141061667	Communication	04/02/2022
2.	Autonomous Vaccine Distribution among Masses using Artificial Intelligence	1.Dr.V.Sailaja 2.Mr.G.S.Sivakumar 3.Dr.P.Sunitha	02/07/2021	: 202141029727	Bio Technology	9/07/2021

### 2020-2021

S.No	Title Of Patent	Name of The Author(s)	Date Of Filing	Application Number	Field Of Invention	Date Of Publication
1	Block Chain For 5G Enabled IOT for Industrial Automation	Dr.S.Panda Dr.Sanjith Kumar Dr.A.Srinivas	25/09/2020	202041041702	Communication	:09/10/2020
2.	: Wireless Mouse with power Saver Technology	Dr.A.Srinivas	01/08/2020	202041033101	Communication	21/08/2020
3.	Corona Virus Detection 5G Mobile App An App which Enables a mobile phone to detect the Corona virus	Dr.Natraj Mrs.G.V.Ujwala. Mr.T.Vishnumurthy	: 16/06/2020	202041025201	Bio Technology	03/07/2020
4	Design and Development of Planar Microstrip antenna for wireless sensor network communication	Dr.Natraj Mrs.G.V.Ujwala	: 09/08/2020	202041034126	Bio Medical Engineering	04/09/2020