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(71)**Name of Applicant :**
1)Dr. M. Mallikarjuna Rao
Address of Applicant :Assistant professor Department of Humanities & Sciences KG Reddy College of Engineering and Technology (Autonomous) Chilukuru villag , Moinabad ,R R Dist Telangana ----------- -----------
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Dr. M. Mallikarjuna Rao
Address of Applicant :Assistant professor Department of Humanities & Sciences KG Reddy College of Engineering and Technology (Autonomous), Chilukuru villag , Moinabad ,R R Dist , Telangana ----------- -----------
2)Dr.Siva Shankar S
Address of Applicant :Associate Professor Department of Computer Science and Engineering , KG Reddy College of Engineering and Technology (Autonomous), Chilukuru village , Moinabad , R R Dist , Telangana ----------- -----------
3)Dr. HariKrishna Bommala
Address of Applicant :Associate Professor Department of Computer Science and Engineering , KG Reddy College of Engineering and Technology (Autonomous), Chilukuru village Moinabad , R R Dist , Telangana ----------- -----------
4)Venkata Rao Yanamadni
Address of Applicant :Assistant professor Department of Computer science and Engineering KG REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS) CHILKOOR VILLAGE, MOINABAD MANDAL RANGA REDDY DISTRICT, TELANGANA ----------- -----------
5)RAGHU KUMAR L
Address of Applicant :Assistant Professor Department of Computer Science and Engineering ,KG Reddy College of Engineering and Technology (Autonomous), Chilukuru village Moinabad , R R Dist , Telangana ----------- -----------
6)Dr. M. Tholkapiyan
Address of Applicant :Professor Department of Civil Engineering Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences (SIMATS), Chennai, Tamil Nadu, 602105, India ----------- -----------
7)Dr V.P.Venkatarama na murthy
Address of Applicant :Professor and Head Mechanical Engineering Al-Ameen Engineering College (Autonomous) Karundevanpalayam, Nanjai Uthukkuli Post, Erode – 638 104, Tamilnadu, India. ----------- -----------
8)Dr. P. A. ABDUL SALEEM
Address of Applicant :PROFESSOR & DIRECTOR DEPT OF CSE, KODADA INSTITUTE OF TECHNOLOGY AND SCIENCE FOR WOMEN, AFFILIATED TO JNTUH, KODAD SURYAPET DIST, TELANGANA STATE. ----------- -----------
9)Dr. Bonthu Kotaiah
Address of Applicant :Assistant Professor, Department of Computer Science and Information Technology, Maulana Azad National Urdu(A Central University), Gachibowli, Hyderabad, Telangana ----------- -----------
10)Dr. Syed Mohd Fazal ul Haque
Address of Applicant :Assistant Professor, Department of Polytechnic, Computer Science and Engineering. Maulana Azad National Urdu(A Central University), Gachibowli, Hyderabad - 32, Telangana ----------- -----------
11)Dr.R.Baskaran
Address of Applicant :Professor and Head Department of Chemical Engineering St.Joseph's college of Engineering OMR, Chennai - 119 ----------- -----------
12)Dr D.Chandraprakas h
Address of Applicant :Associate professor Department of Electronics and Communication Engineering KG REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY (AUTONOMOUS) CHILKOOR VILLAGE MOINABAD MANDAL RANGA REDDY DISTRICT. TELANGANA ----------- -----------

(57) Abstract :
ABSTRACT SMART SOLAR POWERED ELECTRIC FENCE The present disclosure relates to a system for smart solar powered electric fence with sensors for protection of crops from wild animals. The system comprises of an electric fence with one or more plain steel/iron wire, a fence charger system, a 12V battery, graphene doped solar panel array, a control unit and multiple sensor subunits. The sensor units detect approaching people or animals and sends the data to the control unit. The control unit analyses the sensor data and determines whether the approaching object is a human or animal. If it is determined to be an animal, the control unit activates the fence charger which converts the 12V DC power from the battery to 8.5 – 9.9 KV pulsed AC to power the electric fence. The solar panel array is responsible for charging the battery during daytime for later use. (FIG. 1 will be the reference figure)

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