



NEW HORIZON COLLEGE OF ENGINEERING

New Horizon Knowledge Park, Ring Road, Marathalli
Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA

Department of Electrical and Electronics Engineering

Patents Filed / Published Details for the AY 2018-19

Sl.No	Title of Patent/Discovery/Patent Pending No./ Patent No./ Patent Application Number	Jurisdiction/ Published in Indian Patent Journal/ Published Date	Inventors' Name Faculty Members/ Students/Emeritus Professors	Status
1.	A Method to alert the user in case of a mobile theft/Unauthorized Use E-2/1412/2017-CHE and Application No. 201741018075 Dt.23.05.2017	India No. 48/2018 Dt. 30/11/2018	Hari Kumar Venkatesh Kota Reddy Lakshmi	Published in AY 2018-19
2.	Novel Method and System of Graphene UCAP Powered Insulin Pump E-2/2930/2017-CHE and Application No. 201741034932 Dt.03.10.2017	India 14/2019 Dt 5/4/2019	Dr. Nisha K. C. R. Prof. Anitha. A Prof. Dharmambal. V Prof. M. Karthika	Published in AY 2018-19
3.	Security Enhancement for Four Wheel Automotive System using light Stack Position E-2/1451/2017-CHE and Application No. 201741018336 Dt.25.05.2017	India 48/2018 Dt. 30/11/2018	Dr. R. Elumalai Duney. D Sam	Published in AY 2018-19
4.	Novel System and Method for Power Saving Using Pulse Width Modulation Technology (PMT) E-2/3504/2017-CHE and Application No. 201741041152 Dt.17.11.2017	India No. 21/2019 Dt. 24/05/2019	Dr. R. Elumalai Dr. S. Sujitha Ms. A. Anitha Prof. Sathish Kumar	Published in AY 2018-19
5.	Novel System and Method for Smart Optimization of Demand Side Management (DSM) for Productivity E-2/3512/2017-CHE and Application No. 201741041160 Dt.17.11.2017	India No. 21/2019 Dt. 24/05/2019	Dr. R. Elumalai Dr. S. Sujitha	Published in AY 2018-19
6.	Novel System and Method of Remote Power Charging with Mechanization Efficiently by Supercapacitor	India No. 21/2019 Dt. 24/05/2019	Dr. R. Elumalai Dr. S. Sujitha Prof. Sathish Kumar	Published in AY 2018-19

	E-2/3498/2017-CHE and Application No. 201741041146 Dt.17.11.2017		Ms. A. Anitha	
7.	Novel System and Method of Autonomous Controls for the Smart Operation of a Metro Train E-2/3500/2017-CHE and Application No. 201741041148 Dt.17.11.2017	India No. 21/2019 Dt. 24/05/2019	Dr. R. Elumalai Dr. S. Sujitha	Published in AY 2018-19
8.	Novel System and Method of Photovoltaic Assortment Based Power Generation System Using Nine Level Inverter E-2/3502/2017-CHE and Application No. 201741041150 Dt.17.11.2017	India No. 21/2019 Dt. 24/05/2019	Dr. R. Elumalai Dr. S. Sujitha Mr. Muniprakash Mr. Mohan B. S	Published in AY 2018-19
9.	Novel System and Method of Capricious Electronic Speed Governor E-2/3513/2017-CHE and Application No. 201741041161 Dt.17.11.2017	India No. 21/2019 Dt. 24/05/2019	Dr. R. Elumalai Dr. S. Sujitha Priyanka S. Kole Muniprakash	Published in AY 2018-19
10.	Novel System and Method for Smart Detection of Electricity Theft in Modern Distribution Network E-2/3508/2017-CHE and Application No. 201741041156 Dt.17.11.2017	India No. 21/2019 Dt. 24/05/2019	Dr. R. Elumalai Dr. S. Sujitha Prof. Mohan B. S Ms. Kavitha Chennareddy	Published in AY 2018-19
11.	Novel System and Method for Grid Unified Solar Based Irrigation System E-2/3510/2017-CHE and Application No. 201741041158 Dt.17.11.2017	India No. 21/2019 Dt. 24/05/2019	Dr. R. Elumalai Dr. S. Sujitha Prof. Sunil. S K Mr. Vinod Kumar	Published in AY 2018-19
12.	Novel System and Method for Solar Based Voltage Source Inverter (VSI) Control Brushless DC (BLDC) Motor for Pump Applications E-2/3506/2017-CHE and Application No. 201741041154 Dt.17.11.2017	India No. 21/2019 Dt. 24/05/2019	Dr. R. Elumalai Dr. S. Sujitha Prof. J. Joshua Daniel Raj Mr. Vinod Kumar	Published in AY 2018-19
13.	Novel System and Method for Alleviation of Power Quality Snags Using Integrated Power Quality Conditioner E-2/3511/2017-CHE and Application No. 201741041159 Dt.17.11.2017	India No. 21/2019 Dt. 24/05/2019	Dr. R. Elumalai Dr. S. Sujitha Prof. J. Joshua Daniel Raj Ms. Karthika. M	Published in AY 2018-19
14.	Novel System, Design and Method of Design and Development of Power Generating Revolving Door E-2/453/2018-CHE and Application No. 201841005154 Dt.12.02.2018	India No. 33/2019 Dt.16/08/2019	Mr. Ronald Reagon R Mr. Venkat Sujith Krishna Mr. Reddy Mohan Posa Mr. Vinaya Prasad M.V Mr. V.Avinash	Published in AY 2018-19

15.	Vehicle Braking System in Hill Station Application No.201841038947 Dt. 14/10/2018	India 42/2018 19/10/2018	Dr. B. Gunapriya et.al (13)	Published in AY 2018-19
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