

# IPR Details

## DEPARTMENT OF BIOMEDICAL ENGINEERING

### PATENTS GRANTED

1. K.E.Ch. Vidyasagar, Sudesh sivarasu – Mobile Controlled Multi Drug Infusion System, CBR. No: 9417, Patent No. 304847, Date of Grant 21/12/2018, Application No. 3996/CHE/2010 A; International Classification: A61M5/00
2. K.E.Ch. Vidyasagar, Sudesh sivarasu – Mobile Controlled Drug Delivery System, CBR. No: 9417, Patent No 288750, Date of Grant: 26/10/2017, Application No. 3150/CHE/2010; International Classification: G06F3/048; G06F 9/22; A61M 5/14; Publication No. E-12/249/2010-CHE, Grant no: 288750
3. Tarunasri, a Former student (2008) has done her project work on enzyme Fields Effect Transfer (ENFET) for Estimation of Triglycerides using Magnetic Nano Particles at CCMB under Dr. Madhusudan Rao, Deputy Director and got a patent (H01R31/00).

### PATENTS APPLIED

1. Patent applied on “Non Invasive Point of Care Diagnostics for SickleCell Disease”, Ref. No: 201841005300, Application No. TEMP/E-1/5665/2018-CHE dated 13/02/2018 by Mr.M.Venkateswara Rao and Dr.A.R Poongothai
2. Patent applied on “Intelligent System for monitoring and balancing of Battery Voltage”, Ref.No: 201741047449 dat. 31/12/2017 by Mr.M.Venkateswara Rao and Amara Raja Batteries Ltd.
3. Patent applied on “A portable device for Automated Cradle Movement”, Ref No: 201741007378, dated: 03-02-2017 by Mr.M.Venkateswara Rao, Sai Lalitha B
4. Patent applied on “Portable Non-invasive multi-wavelength photo plethysmographic measuring technique for Hemoglobin”, Ref No: 201641039799, dated: 22-11-2016 by Mr.M.Venkateswara Rao
5. Patent applied on “Cryo probe used in Cardiac surgery” Ref No: 6317/CHE/2014, dated:16/12/2014, by Mr.M.Venkateswara Rao, B.Sai Lalitha
6. Model on “Syncope Detection Emergency Messaging”, was selected for sponsorship of 15 lakhs from ICRISAT, designed by Mr. Arvind, Ms. Soundarya and Mr. M.Venkateswara Rao.

7. Patent applied on “Syncope Detection Emergency Messaging”, by Mr. Arvind, Ms. Soundarya and **Mr. M.Venkateswara Rao** (No: 1639/CHE/2009).

**DEPARTMENT OF ELECTRICAL ENGINEERING**

<b>S.No.</b>	<b>Year</b>	<b>Name of the faculty</b>	<b>IPR Details/ Published/Granted</b>
1.	2017	Dr. P. Satish Kumar Department of EEE	Applied a <b>Patent</b> on “Implementation of SVPWM Techniques to A Multilevel Inverter”, Application No. 201741042315A, published in the Official Journal of Patent, Issue No. 48/2017, page no. 45227, dated 01/12/2017.
2.	2018	Dr. P. Satish Kumar Department of EEE	Applied a <b>Patent</b> on “Asymmetrical Cascade H-Bridge Multilevel Inverter with Reduced Power Switches”, Application No. 201741033742A, published in the Official Journal of Patent, Issue No. 09/2018, page no. 7745, dated 02/03/2018.

