

**PRASAD V POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY
KANURU, VIJAYAWADA**

**NBA & NAAC Accredited, ISO: 9001-2015 Certified Institution, AICTE Approved &
(Sponsored by Siddhartha Academy of General & Technical Education, Vijayawada)**

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Patents Data from Inception

2024-25							
S.No	Branch	Name of the applicant	Name of the inventor(s)	TITLE	Applicatio no. and patent filed date	Status (filed/published/ granted) with date	Granting Organization
1	EEE	Prasad V. Potluri Siddhartha Institute of Technology	Ragaleela Dalapati Rao Padmanabha Raju Chinda	AHP APPROACH FOR OPTIMUM POSITION OF DYNAFLOW DEVICE	202441093143 A 28/11/2024	Published 13/12/2024	Government of India Intellectual Property India
2	EEE	Prasad V. Potluri Siddhartha Institute of Technology	Gudavalli Madhavi, Vemulapalli Harika	IMPLEMENTATION OF AUTOMATIC SOLAR PANEL CLEANING SYSTEM FOR ENHANCING THE EFFICIENCY	202541034752 A 09/04/2025	Published 02/05/2025	Government of India Intellectual Property India

2023-24							
S.No	Branch	Name of the applicant	Name of the inventor(s)	TITLE	Applicatio no. and patent filed date	Status (filed/published/ granted) with date	Granting Organization

1	EEE	Prasad V. Potluri Siddhartha Institute of Technology	M. DEVIKA RANI V. SAI GEETHA LAKSHMI P MUTHUKUMAR	INTELLIGENT TRAFFIC CONTROL SYSTEM WITH EMERGENCY RESPONSE CAPABILITY USING LAB VIEW	202341037131A 30/05/2023	Published 22/09/2023	Government of India Intellectual Property India
2	EEE	Prasad V. Potluri Siddhartha Institute of Technology	Ragaleela Dalapati Rao Padmanabha Raju Chinda	OPTIMAL PLACEMENT OF DYNAFLOW CONTROLLER USING TOPSIS&NBSP;METHOD	202341078604 A 20/11/2023	Published 24/11/2023	Government of India Intellectual Property India

2022-23							
S.No	Branch	Name of the applicant	Name of the inventor(s)	TITLE	Applicatio no. and patent filed date	Status (filed/published/granted) with date	Granting Organization
1	EEE	Prasad V. Potluri Siddhartha Institute of Technology	P MUTHUKUMAR, M. DEVIKA RANI, V. SAI GEETHA LAKSHMI	PWM GENERATION CIRCUIT FOR NINE LEVEL ASYMMETRICAL MULTILEVEL INVERTER	202341035674 A 23/05/2023	Published 16/06/2023	Government of India Intellectual Property India

2	EEE	Prasad V. Potluri Siddhartha Institute of Technology	V. SAI GEETHA LAKSHMI, P MUTHUKUMAR, M. DEVIKA RANI	FIELD PROGRAMMABLE GATE ARRAY (FPGA) BASED SPEED CONTROL OF AN 3-Ø INDUCTION MOTOR	202341035670 A 23/05/2023	Published 16/06/2023	Government of India Intellectual Property India
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2021-22							
S.No	Branch	Name of the applicant	Name of the inventor(s)	TITLE	Applicatio no. and patent filed date	Status (filed/published/granted) with date	Granting Organization
1	EEE	Dr.Jarabalaranga Mr.Madapu Hemanth sai Dr.Mekasadeep Mr. VNSL Narayana A Mr.Bhukya Devulal Mr. Ashokkumar bandla Mr. Saraswathula subramanya sarma Mr. S K B Pradeepkumar DR.Balaji D	Dr.Jarabalaranga Mr.Madapu Hemanth sai Dr.Mekasadeep Mr. VNSL Narayana A Mr.Bhukya Devulal Mr. Ashokkumar bandla Mr. Saraswathula subramanya sarma Mr. S K B Pradeepkumar DR.Balaji D	Hybrid Energy System with optimization to draw more energy	202141027634 A 21-06-2021	Published 09-07-2021	Government of India Intellectual Property India

2	EEE	Dr.J. Ramesh Dr.T. Aruldoss Albert Victoire Dr.M.Sudhakaran Dr.P.Chandrababu Naidu Dr.Kumar Cherukupalli Mr.Suneel Tummapudi	Dr.J. Ramesh Dr.T. Aruldoss Albert Victoire Dr.M.Sudhakaran Dr.P.Chandrababu Naidu Dr.Kumar Cherukupalli Mr.Suneel Tummapudi	Generation of Reference current using single phase source load system based control algorithm for DSTATCOM	202141030198 A 05-07-2021	Published 16-07-2021	Government of India Intellectual Property India
3	EEE	Kakirala Durga Bhavani Mr.V.C.Eugin Martin Raj Sai Geetha Laskshmi Valluru Pawan Kumar Goel Mr.Mahendra Pratap Swain Mrs.S.SS.Sindhuh Mr.M.Kumaresan Mohamed Ibrahim A Dr.C.Balaji Dr.H.Kanagasabapathy	Kakirala Durga Bhavani Mr.V.C.Eugin Martin Raj Sai Geetha Laskshmi Valluru Pawan Kumar Goel Mr.Mahendra Pratap Swain Mrs.S.SS.Sindhuh Mr.M.Kumaresan Mohamed Ibrahim A Dr.C.Balaji Dr.H.Kanagasabapathy	Human Activity Recognition using Spiking Neural Network	202141021959 A 15-05-2021	Published 02-07-2021	Government of India Intellectual Property India

4	EEE	Dr.J.Ramesh Dr.M.Sudhakaran Dr.Kumar Cherukupalli Dr.P.Chandrababu Naidu Mrs.Mangalapuri Sravani	Dr.J.Ramesh Dr.M.Sudhakaran Dr.Kumar Cherukupalli Dr.P.Chandrababu Naidu Mrs.Mangalapuri Sravani	A Pseudo Linear Enhanced Phase-Locked Loop-Based Control System For Control of Distribution Static Compensator in Distribution Network	202141060806 A 26-12-2021	Published on 04-02-2022	Government of India Intellectual Property India
5	EEE	Dr.P.Muthukumar Dr.S.Jeevananthan Dr.T.Sudhakar Babu Dr.L.Padmasuresh Mrs.S.Umamaheswari	Dr.P.Muthukumar Dr.S.Jeevananthan Dr.T.Sudhakar Babu Dr.L.Padmasuresh Mrs.S.Umamaheswari	Optimized Switching Angle Modulation Scheme for Asymmetrical Cascaded H Bridge Multilevel Inverters	202241018086 A 29-03-2022	Published on 08-04-2022	Government of India Intellectual Property India
6	EEE	P.V. P Siddhartha Institute of Technology	P.Muthukumar K.Bhavana T.Srinivasarao	Digital Circuit Of The PWM Generation For The Conversion Of Symmetrical To Asymmetrical Multilevel Inverters	202241031326 A 01-06-2022	Published on 10/06/2022	Government of India Intellectual Property India
7	EEE	Prasad V. Potluri Siddhartha Institute of Technology	K.Bhavana P.Muthukumar B.Lalitha	Moving Robot For Old Age Persons Using IOT	202241031322 01-06-2022	Published on 10/06/2022	Government of India Intellectual Property India

8	EEE	Dr. Nithin S S Dr. L. Padma Suresh Dr.P. Muthu Kumar	Dr. Nithin S S Dr. L. Padma Suresh Dr.P. Muthu Kumar	Efficient Video Coding Using Multi Resolution Techniques	202241031569 02-06-2022	Published on 10/06/2022	Government of India Intellectual Property India
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2020-21							
S.No	Branch	Name of the applicant	Name of the inventor(s)	TITLE	Applicatio no. and patent filed date	Status (filed/published/ granted) with date	Granting Organization
1	EEE	1. Padmanabha Raju Chinda 2. Ragaleela Dalapati Rao	1. Padmanabha Raju Chinda 2. Ragaleela Dalapati Rao	Optimal Power Flow Analysis Using The Particle Movement Bee Colony Algorithm	202041033635 A 06/08/2020	Published 21/08/2020	Government of India Intellectual Property India
2	EEE	1. Kumar Chandrasekaran 2. ANBARASAN ANNAMALAI 3. ABINESHWARI SIVARAMAN, 4. FARIEDHULITHIREESH SIRAJUDIN, 5. MANORANJANI ESWARAMOORTHY	1. Kumar Chandrasekaran 2. ANBARASAN ANNAMALAI 3. ABINESHWARI SIVARAMAN, 4. FARIEDHULITHIREESH SIRAJUDIN, 5. MANORANJANI ESWARAMOORTHY	Design And Development Of Novel Billing And Payment Management shopping Cart	202041039622 A 14/09/2020	Published 25/09/2020	Government of India Intellectual Property India

3	EEE	1. Ragaleela Dalapati Rao 2. Dr. Padmanabha Raju Chinda	1. Ragaleela Dalapati Rao 2. Dr. Padmanabha Raju Chinda	Power Flow Control In Transmission Lines Using Dynaflo Controller	202041040800 A 21/09/2020	Published 02/10/2020	Government of India Intellectual Property India
4	EEE	1. Dr N Vijay Anand 2. Vidyasagar Vidapu 3. Batti Tulasidasu 4.Natha. deepthi 5.nakirekanti suvarna 6.V.M.Jothiprakash 7.mohammed Firdos Alam Sheik 8.Dr.Gowri Shankar Rao 9.Dr.V.Jayaraj 10.Dr.P.Devabalan	1. Dr N Vijay Anand 2. Vidyasagar Vidapu 3. Batti Tulasidasu 4.Natha. deepthi 5.nakirekanti suvarna 6.V.M.Jothiprakash 7.mohammed Firdos Alam Sheik 8.Dr.Gowri Shankar Rao 9.Dr.V.Jayaraj 10.Dr.P.Devabalan	Iot Based Municipal Garbage Monitoring System For The Smart Cities	20204107751 A 02/11/2020	Published 13/11/2020	Government of India Intellectual Property India
5	EEE	1. Dr. Kumar Cherukupalli 2. Dr. Anne Venkata Praveen Krishna 3. Mr. J. Hari Krishna 4. Dr. ANNE VENKATA PRAVEEN KRISHNA 5. Mr. J. HARI KRISHNA	1. Dr. Kumar Cherukupalli 2. Dr. Anne Venkata Praveen Krishna 3. Mr. J. Hari Krishna 4. Dr. ANNE VENKATA PRAVEEN KRISHNA 5. Mr. J. HARI KRISHNA	A Method And A Device For Object Detection	20201051463 A 26/11/2020	Published 04/12/2020	Government of India Intellectual Property India

6	EEE	1.Dr.P.Muthu kumar 2.Umamahes wari	1.Dr.P.Muthu kumar 2.Umamahesw ari	Unified Power Converter	2020410 20980 A 19/05/20 20	Publishe d 05/06/20 20 Granted 05/01/20 21	Governm ent of India Intellectu al Property India
7	EEE	Singampalli Satyanarayan a 2. MOPIDEVI SUBBARAO 3.Manepalli. V. 4.Lagudu Jayavani 5.Desireddy Chinnakullay Reddy 6.Gurram Ranga Purushotham 7.Garikamuk kala V K Murthy 8. MELIMI RAVI KUMAR 9.Guruvulu Naidu 10.Sudheer Vinnakoti	1. Singampalli Satyanarayana 2. MOPIDEVI SUBBARAO 3.Manepalli.V. 4.Lagudu Jayavani 5.Desireddy Chinnakullay Reddy 6.Gurram Ranga Purushotham 7.Garikamukk ala V K Murthy 8. MELIMI RAVI KUMAR 9.Guruvulu Naidu 10.Sudheer Vinnakoti	Optimal Design Of Modular Dc- dc Converter Combined With Series Resonance Converters For Energy Integration	2020103 761 29/11/20 20	Australia n country Granted 17/03/20 21	Australia n Governm ent IP Australia

8	EEE	1. Dr. Ch. Santhan Kumar 2. Dr. B. Praveen Kumar 3. B. Bala Sai Babu 4. Mr.Malligarjun 5. Mr.T.Santhosh Kumar 6. Ms.G.Swetha 7. Mr.V. Karthik	1. Dr. Ch. Santhan Kumar 2. Dr. B. Praveen Kumar 3. B. Bala Sai Babu 4. Mr.Malligarjun 5. Mr.T.Santhosh Kumar 6. Ms.G.Swetha 7. Mr.V. Karthik	Solar Powered And Iot Enabled Reconnaissance Warfare Robot	202141006112 A 12/02/2021	Published 19/02/2021	Government of India Intellectual Property India
9	EEE	1.Dr. Balaji 2. Dr. JarabalaRanga, 3. Mr. G.BaluNarasi mhaRao, 4.Mr. K. Venkateswar Rao, 5. Dr.D.Srilatha, 6. Dr.R.V.S.LakshmiKumari, 7. Mrs. S.V.R.LakshmiKumari 8. Mr.Moturu Seshu	1.Dr. Balaji 2. Dr. JarabalaRanga, 3. Mr. G.BaluNarasi mhaRao, 4.Mr. K. Venkateswar Rao, 5. Dr.D.Srilatha, 6. Dr.R.V.S.LakshmiKumari, 7. Mrs. S.V.R.LakshmiKumari 8. Mr.Moturu Seshu 9.Dr.R.Ashok kumar 10.Mr.S. K B Pradeep kumar CH	An Ai Abetted Green Energy Generating Systems	202141012214 A 22/03/2021	Published 02/04/2021	Government of India Intellectual Property India

10	EEE	Ms.M.Prabha Ms.R.Bhavan i Dr. Manish Upadhyay M.Vijayaraga van Mrs.M.Devika Rani Dr.T.Prasanth Dr.S.Vijayalakshmi Dr.Sharon Priya Kakirala Durga Bhavani Mr.A.Muthuraman	1.Ms.M.Prabha 2.Ms.R.Bhavan 3.Dr. Manish Upadhyay 4.M.Vijayaragan 5.Mrs.M.Devika Rani 6.Dr.T.Prasanth 7.Dr.S.Vijayalakshmi 8.Dr.Sharon Priya 9.Kakirala Durga Bhavani 10.Mr.A.Muthuraman	AN AI Based system for Glucose monitoring and determining compliance	2021410 20401 A 04/05/20 21	Publishe d 11/06/20 21	Governm ent of India Intellectu al Property India
11	EEE	Dr.Nidumolu Vijayaanand Dr.Gangolu Vijay kumar Peddibhotla Usha sri Dr.Godavart hi Lakshmi Narashimha Murthy Panchangnula a Venu Madhav	Dr.Gangolu Vijay kumar Dr.Godavarthi Lakshmi Narashimha Murthy Panchangnula Venu Madhav Dr.Nidumolu Vijayaanand Peddibhotla Usha sri	Interactive Electronic Smart Fabrics And A device for remotely monitoring the vital parameters	2021410 17212 A 13-04- 2021	Publishe d 23-04- 2021	Governm ent of India Intellectu al Property India