

Department of Electronics & Telecommunication Engineering

List of Patents / Copyrights

- **Patents**

Sr. No.	Name of Staff	Title	Application Number	Publication Date
2015-16				
1.	Dr. B. P. Patil Mr. JB Jawale Mr. K. Vijay Kumar	Cost Effective Bot For Cleaning Solar Panel Array	2662/DEL/2015	28/08/2015
2.	Dr. P B Karandikar	Testing Of Wind Generator Research Model Using Bicycle And Gear Box For Prediction Of Performance Of Onsite Wind Generator Behaviour	3818/MUM/2015	30/10/2015
3.	Dr. P B Karandikar	Test Set Up Study Impact Of Surface Roughness On Voltage Flicker Initiated In Wind Turbine Research Model.	3819/MUM/2015	30/10/2015
4.	Dr. P B Karandikar	All Side Multiple Fans Mechanism To Test Wind Turbine Model Under Turbulent Condition.	4277/MUM/2015	27/11/2015
5.	Dr. P B Karandikar	Laboratory Model Of Wind Turbine Blade Fitting Mechanism To Test Various Blades	4427/MUM/2015	18/12/2015
6.	Dr. P B Karandikar	Research Model Of Adjustable Concentric Towers To Study Impact Of Tower Shadow On Flicker Initiated In Wind Turbine	4463/MUM/2015	18/12/2015
7.	Dr. P B Karandikar	Research Model Of Multiple Towers Fixing Arrangement To Assess Impact Of Wake Effect In A Wind Farm	4464/MUM/2015	18/12/2015
8.	Ms. Manisha Nilkanth	Economical Multipurpose Cutter For Shankarpali, Puri, Disco Papad Other Such Items.	4822/MUM/2015A	15/01/2016
9.	Ms. Manisha Nilkanth	Braking System With Better Vehicle Stability Using Non-Uniform Contact Pressure For Two-Wheeler	4822/MUM/2015	15/01/2016
10.	Ms. Manisha Nilkanth	Work Bench With USB Microscope For Micro Art On Rice.	201621002053 A	12/02/2016
11.	Dr. P B Karandikar	Test Set Up To Study Tubular Lattice, Hybrid And Guyed Wire Tower Models	201621000674	29/01/2016
12.	Dr. P B Karandikar	Motor Drive And Variable Capacitor Bank For Testing Wind Generator Laboratory Models.	201621000673	29/01/2016
13.	Dr. P B Karandikar	Low Cost Portable Ball Milling Machine For Grinding Of Electrode Material For Electrochemical Devices Using Motorcycle.	201621016253	20/05/2016
14.	Ms. Manisha Nilkanth	A Modified Silencer With Unique Protective Shield.	201621002035 A	12/06/2016

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Sr. No.	Name of Staff	Title	Application Number	Publication Date
2016-17				
15.	Mr. J. B. Jawale Dr. B P Patil	Multilevel Biometric Security System For Solar Panel Cleaning Bot Using Person Authentication.	201621025460 A (Appln No.)	19/08/2016
16.	Mr. J. B. Jawale	Cost Effective Solution For Multimodal Biometric Security Of Solar Panel Cleaning System Using Android.	201621028216A	02/09/2016
17.	Ms. Manisha Nilkanth	A Fully Automatic Water Level Controller With MAGN	201621028759	02/09/2016
18.	Ms. Harjeet Kaur	Speech Enhancement Using Adaptive Filter For Machine Learning	201621035341	04 /11/2016
2017-18				
19.	Dr. B. P. Patil, Mr. J. B. Jawale	Liquid Shaker	201721018888	16/06/2017
20.	Dr. B. P. Patil, Mr. J. B. Jawale, Mr. V K Karra	Vedic mathematical calculator for floating point and complex number operations	201721020567	08/09/2017

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SR NO	NAME OF STAFF	Copyright (CR)/Trade Mark(TM))	YEAR/DATE & PAGE NO.	NATIONAL / INTERNATIONAL
1	Ms. Renuka Bhandari	Investigation of Blind Source Separation Approaches for MIMO Communication Systems (CR)	L-76176/2018	NATIONAL