

# ARMY INSTITUTE OF TECHNOLOGY, PUNE

## LIST OF PATENTS TILL AUG 2017

<b>Sr No</b>	<b>Title of Patent</b>	<b>Inventors</b>	<b>Application No.</b>	<b>Date of Filing</b>	<b>Date of Publication</b>
1.	Vedic mathematical calculator for floating point and complex number operations	Dr. B. P. Patil J. B. Jawale V K Karra PriteeJawale	201721020567	13/06/2017	---
2.	Liquid Shaker	Dr. B. P. Patil J. B. Jawale Sweety ShrithiRana Rashmi Sumit Kumar	201721018888	30/05/2017	16/06/2017
3.	A Fully Automatic Water Level Controller with Magnetic Sensor	Ms. Manisha Nilkanth Raviraj Gurav Priyanka Rawat Sangeev Kr Pandit Sonu Kumar Athul Raj	201621028759	24/08/2016	02/09/2016
4.	Cost effective solution for Multimodal Biometric Security of Solar Panel Cleaning system using Android	JB Jawale Dr. BP Patil	201621028216	19/08/2016	02/09/2016
5.	Multi level biometric security system for solar panel cleaning bot using personal authentication	J. B. Jawale, PriteeJawale Dr. B. P. Patil	E-01/33800/2016 -MUM	26/07/2016	19/08/2016
6.	A modified Silencer with unique protective shield date of publication	Sanjay Gaikwad, RavirajGurav, Pritee Purohit, Mansiha Nilkanth AbhishekShukla Sumit Kumar Shivendra	201621002035A	20/01/2016	12/02/2016
7.	Work bench with USB microscope for micro art rice	J B Sankpal PriteePurohit MansihNilkanth	201621002053A	20/01/2016	12/02/2016

		RavirajGurav Nawal Singh Athul Raj			
8.	Economical multipurpose cutter for shankarpali, puri, disco papad and other such items.	PriteePurohit MansihaNilkanth RavirajGurav Sanjay Gaikwad AkshayKulkarni	4821/MUM/2015	23/12/2015	15/01/2016
9.	Braking system with better vehicle stability using non-uniform contact pressure for two wheeler	RavirajGurav Sanjay Gaikwad PriteePurohit AkshayKulkarni MansihaNilkanth AbhishekShukla Vishaal Singh, Nawal Singh	4822/MUM/2015	23/12/2015	15/01/2016
10.	Research model of adjustable concentric towers shadow on flicker initiated in wind turbine.	Dr P B Karandikar Athul Raj Abhishek Panda	4463/MUM/2015	27/11/2015	18/12/2015
11.	Research model of multiple towers fixing arrangement to accesses impact of wake effect in wind farm	Dr P B Karandikar Athul Raj	4464/MUM/2015	27/11/2015	27/11/2015
12.	Auto calibrated intelligent electronic flasher	Shaildendr Kumar Mandip Singh, Alam Khan Raman Sah Dr P B Karandikar	4291/MUM/2015	18/11/2015	-
13.	All side multiple fans mechanism to test wind turbine model under turbulent condition	Dr P B Karandikar Athul Raj	4277/MUM/2015	09/11/2015	27/11/2015
14.	Cost Effective Bot for Cleaning Solar Panel Array	Puneet Singh Shailender Singh Kushwaha SaloniAtre J. B. Jawale V.K. Karra Dr B.P. Patil	2662/DEL/2015	27/08/2015	03/03/2017
15.	Laboratory test setup for testing model of wind turbine	DattaChavan Akansha Dixit Avinash Gupta	485/MUM/2015	16/02/2015	10/04/2015

		MehakDhawal Dr P B Karandikar			
16.	Intelligent self-start unit using supercapacitor	AkshayDekate Akansha Dixit Dr P B Karandikar	486/MUM/2015	16/02/2015	10/04/2015
17.	A system and method for homography based hybrid mixture for rehab engineering	Dr. AdityaAbhyankar Dr. B P Patil Dr. Kulbir Singh TusharJadhav AnujaPhadke	3544/MUM/2014	11/11/2014	11/05/201.
<b>18.</b>	<b>Turing angle of the wheel to be more than 75 Degree</b>	<b>Uraj Singh Rawat</b>	<b>P22810</b>	<b>04/11/2014</b>	<b>-</b>
19.	Zero turning radius vehicle using wireless steering and modified differential gear system	Chandan Kumar VermaDevesh Kumar Gour Prateik N Dr P B Karandikar	2067/MUM/2014	26/06/2014	18/07/2014
20.	Automobile hybrid braking system	Chandan Kumar Verma, Devesh Kumar Gour Prateik N Dr P B Karandikar	2068/MUM/2014	26/06/2014	18/07/2014
21.	Zigzag structured ultra-capacitor	Shailendra, Akansha Dixit Amal Paul HemaUpriti Dr. P. B. Karandikar	1442/MUM/2014	23/04/2014	16/05/2014
22.	A Method of Digital Watermarking	Dr Sangeeta Jadhav	1563/MUM/2011	25/11/2011	07/06/2013
23.	Regenerative braking in electric two wheeler using supercapacitors	P B Karandikar D B Talange Amit Singh Raju Pal Gary Singh AnshumanSarkar	843/MUM/2011	23/03/2011	16/09/2011
24.	Sandwich type supercapacitor making process	P B Karandikar D B Talange AkshayDekate Atul Singh N S Prasun	841/MUM/2011	23/03/2011	16/09/2011
25.	Method of manufacturing electrode for supercapacitor	P B Karandikar D B Talange	2858/MUM/2010	14/10/2010	01/07/2011