

**MKSSS's Cummins College of Engineering for Women, Pune**  
**Department of Instrumentation and Control**

**LIST OF PATENTS FILED / PUBLISHED / GRANTED**

Sr. No.	Title of Patent	Inventors	Patent Number Patent Filed/ Published/Granted	Filed Date (FD) Published Date (PD) Granted Date (GD)
<b>AY 2020 – 2021</b>				
1	System of Detecting Flatness on Wheels of Railway Vehicle and Method Thereof	Ms. Aarya Dethe Ms. Shruti Dharmadhikari Ms. Harshada Paralkar Dr. Atul Joshi  <i>(Faculty + Students)</i>	Patent No: 202021038805  <i>Published Patent</i>	FD: 09/09/2020  PD: 11/03/2022
2	System for Mental Workload Assessment and Method Thereof	Ms. Vaidehi Deoskar Ms. Pooja Kulkarni Ms. Tejaswini Dengade Dr. Revati Shriram  <i>(Faculty + Students)</i>	Patent No: 202021050492  <i>Published Patent</i>	FD: 20/11/2020  PD: 27/05/2022
<b>AY 2019 – 2020</b>				
3	System and Method for Detection of Neurogenerative Disease using Speech and Body Odour Signature	Ms. Neenu Gorge, Ms. Jinu James, Ms. Shrinidhi Kulkarni, Ms. Sneha Parsewar Dr. Revati Shriram  <i>(Faculty + Students)</i>	Patent No: 201921026258  <i>Published Patent</i>	FD: 01/07/2019  PD: 27/11/2020
4	Astute Footwear Device with Integrated Sensors	Ms. Akshada Jadhav, Ms. Sanchali Jadhav, Ms. Ankita Chaudhari, Ms. Priyanka Inde, Ms. Akansha Deshpande, Ms. Apurva Zingade, Prof. Pratima Kulkarni, Dr. Dhananjay Bodas  <i>(Faculty + Students)</i>	Patent No: 201921026889  <i>Published Patent</i>	FD: 04/07/2019  PD: 08/01/2021

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<b>AY 2018 – 2019</b>				
5	Non-Invasive System for Detection of Parkinson's Disease and Method Therefor	Ms. Rashmi Atre, Ms. Akshata Shinde, Ms. Radhika Nibhande, Ms. Anchal Guleria, Dr. Revati Shriram  <i>(Faculty + Students)</i>	Patent No: 201821047405  <i>Published Patent</i>	FD: 14/12/2018  PD: 27/05/2022
6	System for Indicating Colour Fading of Clothes and Method	Ms. Vaidehi Deoskar  <i>(Student)</i>	Patent No: 201921023019  <i>Published Patent</i>	FD: 11/06/2019  PD: 18/12/2020
7	System and Method for Arthritis Detection	Dr. Nivedita Daimiwal Dr. Revati Shriram  <i>(Faculty)</i>	Patent No: 201921017750  <i>Published Patent</i>	FD: 03/05/2019  PD: 06/11/2020
8	A Lead Acid Battery Charge Monitoring System	Prof. Yashwant Adhav Dr. C. Y. Patil  <i>(Faculty)</i>	Patent No: 201821037211  <i>Published Patent</i>	FD: 02/10/2018  PD: 10/04/2020
<b>AY 2017 – 2018</b>				
9	System for Automatic Recycling of Plastic Molded Articles and Method Thereof	Ms. Radhika Nibandhe, Ms. Akshata Shinde, Ms. Sonia Kumbhoj, Ms. Vaidehi Vaidya Prof. Atul Joshi  <i>(Faculty + Students)</i>	Patent No: 201721033872  <i>Published Patent</i>	FD: 25/09/2017  PD: 29/03/2019

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10	System and Method for Prognosis of Parkinson's Disease	Ms. Sharvari Inamdar, Ms. Marugali Bhat, Ms. Devayani Kulkarni, Ms. Gauri Kulkarni Prof. Revati Shriram  <i>(Faculty + Students)</i>	Patent No: 201721033872  <i>Published Patent</i>	FD: 26/09/2017 PD: 29/03/2019
11	System for Estimating Brain Aging and a Method Thereof	Prof. Revati Shriram Prof. Nivedita Daimiwal  <i>(Faculty)</i>	Patent No: 201821014906  <i>Published Patent</i>	FD: 19/04/2018 PD: 25/10/2019
<b>AY 2016 – 2017</b>				
12	Driver Safety System Using Helmet Fitted with Pulse Detection Sensor	Ms. Arundhati Bhide Mr. Rohan Gugale  <i>(Student)</i>	Patent No: 201721000580  <i>Published Patent</i>	FD: 08/01/2017 PD: 13/07/2018
13	System and Method for Hardness Detection of Water	Ms. Uttunga Shinde, Ms. Krutikka Punekar, Ms. Swapnali Satpute Prof. Yashwant Adhav  <i>(Faculty + Students)</i>	Patent No: 201721020360  <i>Published Patent</i>	FD: 10/06/2017 PD: 14/12/2018
14	Realtime System and Method for Monitoring and Management of Asthma	Ms. Ritu Varma Ms. Saiprashanti Mukheerji Ms. Nain Vaswani Ms. Devika Walavalkar Prof. Saudamini Patil Prof. Atul Joshi  <i>(Faculty + Students)</i>	Patent No: 201721017340  <i>Published Patent</i>	FD: 17/05/2017 PD: 01/02/2019

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15	Trespasser Inhibition Control System and Method Thereof	Ms. Rishita Bansal Prof. Atul Joshi  <i>(Faculty + Students)</i>	Patent No: 201721017342  <i>Published Patent</i>	FD: 17/05/2017  PD: 01/02/2019
<b>AY 2015 – 2016</b>				
16	Double Focus Spot Pick-Up for Acoustic Signal	Prof. Atul Joshi Dr. B. M. Patre  <i>(Faculty)</i>	Patent No: 394154 2563/MUM/2015  <i>GRANTED PATENT</i>	FD: 08/07/2015  PD: 06/01/2017  <b>GD: 08/04/2022</b>
17	Incision Tool	Ms. Arundhati Bhide  <i>(Student)</i>	Patent No: 281748  <i>GRANTED PATENT</i>	FD: 22/03/2016  <b>GD: 28/09/2016</b>
18	Auto Responsive Handle Grip Detection for Vehicles	Ms. Kruti Patel Ms. Shruti Kharwandikar  <i>(Students)</i>	Patent No: 533/MUM/2015  <i>Published Patent</i>	FD: 16/02/2016  PD: 28/04/2017