

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

LIST OF PATENTS FILED / PUBLISHED / GRANTED

AY 2024-25				
Sr. No.	Title of Patent	Inventors	Patent Number Patent Filed/ Published/Granted	Filed Date/ Published Date/ Granted Date
1.	A Lead Acid Battery Charge Monitoring System.	Dr. C. Y. Patil (COEP) Prof. Yashwant Adhav	Application No. 201821037211 Patent No: 547337 <i>Granted Patent</i>	Patent Filed: 2/10/2018 Patent Published: Patent Grant: 08/08/2024
2.	System for Mental Workload Assessment and Method Thereof	1.Dr. Revati Shriram 2.Vaidehi Anil Deoskar 3.Tejaswini Suresh Dendage 4.Pooja Kulkarni	Application No. 202021050492 Patent No: 552508 <i>Granted Patent</i>	Patent Filed: 20/11/2020 Patent Published: 27/05/2022 Patent Grant: 17/10/2024

AY 2023-24				
Sr. No.	Title of Patent	Inventors	Patent Number Patent Filed/ Published/Granted	Filed Date/ Published Date/ Granted Date
1.	Astute Footwear Device with Integrated Sensors.	Dhanajay Bodas Pratima Kulkarni Akshada Jadhav, Sanchali Jadhav, Priyanka Inde, Ankita Chaudhari, Akanksha Deshpande,	Application No. 201921026889 Patent No: 438851 <i>Granted Patent</i>	Patent Filed: 04/07/2019 Patent Published: 08/01/2021

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		Apurva Zingade (<i>Faculty + Students</i>)		Patent Grant: 14/07/2023
2.	System and Method for Hardness Detection of Water.	Prof. Yashwant Adhav, Uttunga Shinde, Swapnali Satpute, Krutika Punekar (<i>Faculty + Students</i>)	Application No. 201721020360 Patent No: 450122 Granted Patent	Patent Filed: 10/06/2017 Patent Published: 14/12/2018 Patent Grant: 07/09/2023
3.	System and method for Arthritis Detection	Dr. Revati Shriram, Dr. Nivedita Daimiwal (<i>Faculty</i>)	Application No: 201921017750 Patent No: 482524 Granted Patent	Patent Filed: 25/09/2017 Patent Published: 29/03/2019 Patent Grant: 15/12/2023
4.	System for Automatic Recycling of Plastic Molded Articles and Method Thereof	Ms. Radhika Nibandhe, Ms. Akshata Shinde, Ms. Sonia Kumbhojkar, Ms. Vaibhavi Vaidya Dr. Atul Joshi (<i>Faculty + Students</i>)	Application No: 201721033872 Patent No: 483852 Granted Patent	Patent Filed: 25/09/2017 Patent Published: 29/03/2019 Patent Grant: 15/12/2023
5.	Auto-Responsive Handle Grip Detection for Vehicles	Ms. Kruti Patel Ms. Shruti Kharwandikar (<i>Students</i>)	Application No: 533/MUM/2015 Patent No: 491428 Granted Patent	Patent Filed: 19/02/2015 Patent Published: 28/04/2017 Patent Grant: 29/12/2023
6.	System and Method for Prognosis of Parkinson's Disease	Revathi Shriram Mrugali Bhat Sharvari Inamdar Devyani Kulkarni Gauri Kulkarni (<i>Faculty + Students</i>)	Application No: 201721034084 Patent No: 506791 Granted Patent	Patent Filed: 25/09/2017 Patent Published: 29/03/2019 Patent Grant: 03/02/2024
7.	System And Method	Neenu George Kalayil	Application No:	Patent Filed:

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	For Detection Of Neurodegenerative Disease Using Speech And Body Odor Signatures	Revathi Shriram Shrinidhi Kulkarni Jinu James Sneha Parsewar <i>(Faculty + Students)</i>	201921026258 Patent No: 530251 <i>Granted Patent</i>	01/07/2019 Patent Published: 27/11/2020 Patent Grant: 26/03/2024
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AY 2022-23				
Sr. No.	Title of Patent	Inventors	Patent Number Patent Filed/ Published/Granted	Filed Date/ Published Date/ Granted Date
1.	Real- Time System and Method for Monitoring and Management of Asthma.	Ritu Varma Navin Vaswani Saiprashanti Mukharjee Devika Walvalkar Saudamini Patil Dr. A. K. Joshi	Application No. 201721017340 Patent No: 420943 <i>Granted Patent</i>	Patent Filed: 17/05/2017 Patent Published: 01/02/2019 Patent Grant: 08/02/2023
2.	System and Method for Detecting Parkinson's Disease	Rashmi Atre Akshata Shinde Radhika Nibandhe Anchal Guleria Dr. Revati Shriram <i>(Faculty + Students)</i>	Application No. 20231004115 <i>Filled Patent</i>	Patent Filed: 20/01/2023

AY 2021-22				
Sr. No.	Title of Patent	Inventors	Patent Number Patent Filed/ Published/Granted	Filed Date/ Published Date/ Granted Date

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1.	Double Focus Spot Pick-up for Acoustic Signal	Dr. A. K. Joshi Dr. Balasaheb Maharudrappa Patre	Application No.: 2563/MUM/2015 Patent No: 394154 <i>Granted Patent</i>	Patent Filed: 08/07/2015 Patent Published: 06/01/2017 Patent Grant: 04/04/2022
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AY 2020-21				
Sr. No.	Title of Patent	Inventors	Patent Number Patent Filed/ Published/Granted	Filed Date/ Published Date/ Granted Date
1.	System of Detecting Flatness on Wheels of Railway Vehicle and Method Thereof	Aarya Dethé Shruti Dharmadhikari Harshada Paralkar Dr. Atul Joshi <i>(Faculty + Students)</i>	Application No. 20201038805 <i>Published Patent</i>	Patent Filed: 09/09/2020 Patent Published: 11/03/2022
2.	System for Mental Workload Assessment and Method Thereof	Vaidehi Deuskar Pooja Kulkarni Tejswini Dengade Dr. Revati Shriram <i>(Faculty + Students)</i>	Application No. 202021050492 <i>Published Patent Granted 2024-25</i>	Patent Filed: 20/11/2020 Patent Published: 27/05/2022

AY 2019 – 2020				
1.	System and Method for Detection of Neurogenerative Disease using Speech and Body	Ms. Neenu Gorge, Ms. Jinu James, Ms. Shrinidhi Kulkarni, Ms. Sneha Parsewar	Patent No: 201921026258	Patent Filed: 01/07/2019 Patent Published:

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	Odour Signature	Dr. Revati Shriram <i>(Faculty + Students)</i>	<i>Published Patent Granted 2023-24</i>	27/11/2020
2	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>Filed Patent Granted 2023-24</i>	FD: 04/07/2019

AY 2018 – 2019				
1	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>Filed Patent</i>	FD: 14/12/2018
2	System for Indicating Colour Fading of Clothes and Method	Ms. Vaidehi Deoskar <i>(Student)</i>	Patent No: 201921023019 <i>Filed Patent</i>	FD: 11/06/2019
3	System and Method for Arthritis Detection	Dr. Nivedita Daimiwal Dr. Revati Shriram <i>(Faculty)</i>	Patent No: 201921017750 <i>Published Patent Granted 2023-24</i>	FD: 03/05/2019 PD: 06/11/2020
AY 2017 – 2018				
1	System and Method for Hardness Detection of Water	Ms. Uttunga Shinde, Ms. Krutikka Puneekar, Ms. Swapnali Satpute	Patent No: 201721020360	FD: 10/06/2017 PD: 14/12/2018

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2	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 Granted 2023-24</i>	FD: 25/09/2017 PD: 29/03/2019
3	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: 201721034084 <i>Published Patent Granted 2023-24</i>	FD: 26/09/2017 PD: 29/03/2019
4	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
AY 2016 – 2017				
1	Driver Safety System Using Helmet Fitted with Pulse Detection Sensor	Ms. Arundhati Bhide Mr. Rohan Gugale (<i>Student</i>)	Patent No: 2017210000580 <i>Filed Patent</i>	FD: 08/01/2017
2	Incision Tool	Ms. Arundhati Bhide (<i>Student</i>)	Patent No: 281748 <i>Granted Patent</i>	FD: 22/03/2016 GD: 28/09/2016
AY 2015 – 2016				
1	Double Focus Spot	Prof. Atul Joshi	Patent No:	FD: 08/07/2015

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	Pick-Up for Acoustic Signal	Dr. B. M. Patre <i>(Faculty)</i>	2563/MUM/2015 <i>Published Patent Granted 2022-23</i>	PD: 06/01/2017
2	Auto Responsive Handle Grip Detection for Vehicles	Ms. Kruti Patel Ms. Shruti Kharwandikar <i>(Students)</i>	Patent No: 533/MUM/2015 <i>Published Patent Granted 2023-24</i>	FD: 19/02/2015 PD: 28/04/2017
3	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
4	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
5	Vehicle Safety System using Ignition Control	Ms. Alisha Butala Ms. Akshata Todankar <i>(Students)</i>	Patent No: 4749/MUM/2015 <i>Filed Patent</i>	FD: 18/12/2015
AY 2008 – 2009				
6	Method and Apparatus to Study Fracture Mechanical Properties of Nails and It's Usage as a Diagnostic Tool	Mr. Vinay Vaidya Ms. Anuradha Khadilkar Prof. Atul Joshi Ms. Sujata Vaidya Mr. Vaman Khadilkar <i>(Faculty)</i>	Patent No: 1226/MUM/2009 <i>Published Patent</i>	FD: 12/05/2009 PD: 09/07/2010