

CSMSS
Chhatrapati Shahu Maharaj Shikshan Sanstha's
CHH. SHAHU COLLEGE OF ENGINEERING

Kanchanwadi, Paithan Road, Aurangabad, 431 011
Ph. No. : (0240) 2646373, 9922668199, 2646350 Fax: (0240) 2646222
Website: www.csmssengg.org

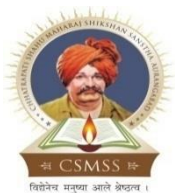


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Department of Electronics & Computer engineering

List of Patents

Sr.No.	Title of patent	Type of patent	Application No.	Date	Status
1	Lean ai-sculpting your body with ai weight loss management	Utility/Process	202421043435	05/07/2024	Published
2	Robotic process automation framework for efficient business process management	Utility/Process	202421044814	12/07/2024	Published
3	Physique AI: AI powered smart physique classifier system.	Utility/Process	202421055471	09/08/2024	Published
4	AI Powered intelligent shirodhara process to promote relaxation and mental clarity for stress management.	Utility/Process	202421057892	23/08/2024	Published
5	Embryoctony prevention for safeguarding Foetal gender equity using trustworthy Block chain technology.	Utility/Process	202421062426	30/08/2024	Published



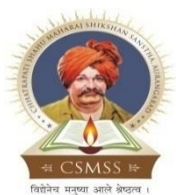
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6	Blockchain enabled orphan child adoption management system leveraging decentralized ledger technology and smart contracts for secure,transperent and effective adoption process.	Utility/Process	202421064654	06/09/2024	Published
7	Cyber secured iot integrated series and parallel catalytic converters for HCCI Engines. A solution for emission reduction and air pollution control.	Utility/Process	202421065107	04/10/2024	Published
8	Innovative decentralized and tamperproof approach of Block chain-Based Cyber security framework for IoT based real time Traffic control Systems in Smart City infrastructure.	Utility/Process	202421065472	04/10/2024	Published
9	Adaptive AI initiative Framework for Enhancing Visitor Experiences and to analyzing rare artifacts across Listed and Non-Listed Heritage sites.	Utility/Process	202421066718	11/10/2024	Published



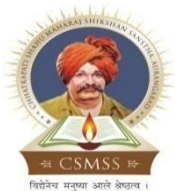
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10	Block chain enabled vr platform for realistic interaction with deceased persons and historical figures.	Utility/Process	202421067838	11/10/2024	Published
11	Block chain based cyber insurance for critical data security.	Utility/Process	202421068740	18/10/2024	Published
12	Real-Time Adaptive Shape Memory Alloy Systems for Precision Surgical Tools, responsive Prosthetics, and optimized Vascular Implants.	Utility/Process	202421069184	26/09/2024	Published
13	Secure software defined vehicles innovation in cyber security and control systems.	Utility/Process	202421075950	18/10/2024	Published
14	Block chain based food packaging protocol for securing nutritional value preservation and safety compliance.	Utility/Process	202421076621	07/10/2024	Published
15	Decentralized self-sovereign identities (SSI) and identity management system with block chain based governance for secure digital authentication.	Utility/Process	202421077916	11/10/2024	Published



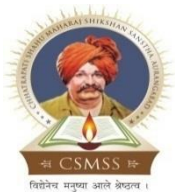
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16	SecureEHRChain-secure decentralized Block chain based EHR system for enhanced patient data privacy and consent.	Utility/Process	202421080330	12/10/2024	Published
17	VeriTrustLense: AI-Driven Cyber security System for Detecting Video Forgery and Ensuring Evidence Authenticity	Utility/Process	202421081801	15/10/2024	Published
18	Block chain powered tamperproof crypto processor.	Utility/Process	202421022120	10/03/2024	Filled
19	Intelligent Botnet Detection and Mitigation System Using Machine Learning for Enhanced Network Security.	Utility/Process	202421085323	29/11/2024	Published
20	Decentralised and Distributed Blockchain System for Autonomous Vehicle Communication and Proactive Accident Avoidance	Utility/Process	202421089374	06/12/2024	Published
21	Automated AI Weather-Responsive Cloth Drying	Utility/Process	202421089337	06/12/2024	Published



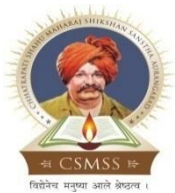
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	System for unpredictable environmental conditions				
22	Integrated AI-Based Hydroseeding System for variable terrain with Remote Sensing for Comprehensive Land Restoration and Monitoring	Utility/Process	202421089339	06/12/2024	Published
23	Intelligent Poultry Management System Utilizing AI for Growth Enhancement, Disease Forecasting, Health Surveillance, and Optimized Feeding	Utility/Process	202421089341	06/12/2024	Published
24	AI-Enhanced Glycemic Index Assessment System and Method for Personalized Dietary management	Utility/Process	202421089343	06/12/2024	Published
25	Intelligent Data Integrity Assurance Framework for Securing LoRaWAN Streetlight Networks.	Utility/Process	202421091486	13/12/2024	Published
26	Smart contract powered Immutable and transparent Block chain Registry for	Utility/Process	202421096035	10/01/2025	Published



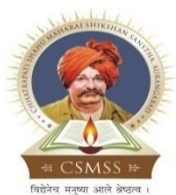
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	Secure and Ethical Organ Donation management.				
27	Decentralized and immutable block chain governance framework for modern and unpredictable cyber attack	Utility/Process	202521004582	14/02/2025	Published
28	Enhanced Face Recognition System Using Pre trained VGG16 and Google Net for Adaptive Feature Optimization	Utility/Process	202521016191	07/03/2025	Published
29	Smart and Comprehensive AI-Powered Multi-Modal Deep Learning System for Real-Time Age and Gender Prediction.	Utility/Process	202521021267	21/03/2025	Published
30	High-Performance Fiber-Reinforced Concrete Composition Using Recron 3S for Enhanced Shear and Torsional Strength in Structural Applications.	Utility/Process	202521023460	28/03/2025	Published
31	Secure Multi-Tenant FPGA-Based Cryptographic Processor System with AES-RC6 Encryption, Cyber-attack	Utility/Process	202521023441	28/03/2025	Published



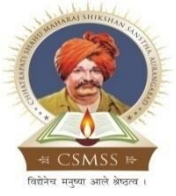
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	Isolation, and Data Leakage Mitigation.				
32	Enhanced Safety Polyethylene-Coated Conductor for Eliminating Hooking-Based Electricity Theft and Fatal Accidents.	Utility/Process	202521025099	28/03/2025	Published
33	Transfer Learning-Based Deep CNN Model for Robust Plant Disease Prediction Using ResNet, Inception, and MobileNet.	Utility/Process	202521035889	02/05/2025	Published
34	AI-Integrated Smart Footwear System for Brisk Walking Analysis and Real-Time Cardiovascular Health Tracking.	Utility/Process	202521043203	30/05/2025	Published
35	AI powered drinking alkaline water analytics device	Design	444570-001		filed
36	AI powered fuel dispensary billing printer device.	Design	448997-001		Filed
37	AI powered body type classifier device.	Design	455907-001		filed



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38	Block chain-Enabled secure ID Card Authentication Device.	Design	456138-001		filed
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