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3.2

Innovation Ecosystem

3.2.1: Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation Centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident”

Patents Files

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IQAC HEAD
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Where the mind is without fear! Where the head is held high!!



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Core Team



Convener

Dr. Sumit Kumar Gupta
Department of Science



Coordinator

Dr. Dileep Kumar
Department of Science



Member

Dr. Seema Jacob
Department of Science



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Patent List

Year 2022-2023

S.NO	Name of Author	Title Of The Invention	Year	Application Number	link
1.	Dr. Fareeda Hasani	An Emotional Intelligence Measurement On Excessive Use Of Smartphones By Today Learners And Their Psychological Reflections	2023	202311040388	https://stwilfredscollege.com/naacdata/HIDE/patents/202311040388(4).pdf
2.	Dr. Fareeda Hasani	Implementation Of Machine Learning Based Approaches For Predictive Analysis of Biodiversity Dynamics In IOT Based Environmental Monitoring Systems	2023	202341039558	https://stwilfredscollege.com/naacdata/HIDE/patents/202341039558%20(1).pdf
3.	Dr. Sumit Kumar Gupta	Systematic Method For Employee Behaviors Before And After Stress Management	2023	202341016563	https://stwilfredscollege.com/naacdata/HIDE/patents/202341016563%20(3).pdf
4.	Dr. Sumit Kumar Gupta	An Analysis On Roles Of Human Resource Management In Managing The Work Stress In An Organization	2023	202341020316	https://stwilfredscollege.com/naacdata/HIDE/patents/202341020316%20(1).pdf
5.	Dr. Sumit Kumar Gupta	Design Of Smart Home Automation System Along With Energy Efficiency And Internet Of Things Through Wi-Fi	2023	202341025010	https://stwilfredscollege.com/naacdata/HIDE/patents/202341025010%20(1).pdf
6.	Dr. Sumit Kumar Gupta	Systematic Approach To Study The Functional Advantages Of Building Nano Systems Using Multiple Molecular Components	2023	202341025859	https://stwilfredscollege.com/naacdata/HIDE/patents/202341025859%20(1).pdf
7.	Dr. Sumit Kumar Gupta	Study On Analyzing The Strength And Weakness Of Various Mechanical Materials Using The Technique Of Artificial Intelligence	2023	202341027737	https://stwilfredscollege.com/naacdata/HIDE/patents/202341027737%20(1).pdf
8.	Dr. Sumit Kumar Gupta	Implementation Of Artificial Intelligence Enabled Design, Synthesis And Process Optimization Of Chemical Products For Industry	2023	202341027782	https://stwilfredscollege.com/naacdata/HIDE/patents/202341027782%20(1).pdf

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9.	Dr. Sumit Kumar Gupta	Artificial Intelligence Based Approach To Analyse The Bismuth Silver Prictohalide Alternative To Perovskite In Fully Printable Triple Mesoscopic Solar Cells	2023	202321032584	https://stwilfredscollege.com/naacdata/HIDE/patents/202321032584%20(1).pdf
10.	Dr. Sumit Kumar Gupta	A Novel Technique For Establishing Social Presence And Intimacy In Teacher-Student Relationships	2023	202311032276	https://stwilfredscollege.com/naacdata/HIDE/patents/202311032276%20(1).pdf
11.	Mr. Ganesh Shankar	Systematic Method For Employee Behaviors Before And After Stress Management	2023	202341016563	https://stwilfredscollege.com/naacdata/HIDE/patents/202341016563%20(1).pdf
12.	Dr. Kapila Parihar	An Emotional Intelligence Measurement On Excessive Use Of Smartphones By Today Learners And Their Psychological Reflections	2023	202311040388	https://stwilfredscollege.com/naacdata/HIDE/patents/202311040388(4).pdf
13.	Dr. Kapila Parihar	Implementation Of Machine Learning Based Approaches For Predictive Analysis of Biodiversity Dynamics In IOT Based Environmental Monitoring Systems	2023	202341039558	https://stwilfredscollege.com/naacdata/HIDE/patents/202341039558%20(1).pdf
14.	Dr. Sumit Kumar Gupta	Artificial Intelligence Based Technique To Analyze The Various Nano Material Properties To Be Used As Drug	2022	202211029348	https://stwilfredscollege.com/naacdata/HIDE/patents/202211029348%20(1).pdf
15.	Dr. Sumit Kumar Gupta	Deep Learning Based Approach To Study And Analyses The Characteristics Of Various Nano Materials And Segregating Them To Suit For Multiple Applications	2022	202211033608	https://stwilfredscollege.com/naacdata/HIDE/patents/202211033608%20(1).pdf
16.	Dr. Sumit Kumar Gupta	An IOT And Deep Learning Based Air Pollution Monitoring And Prediction In Smart City	2022	202241037345	https://stwilfredscollege.com/naacdata/HIDE/patents/202241037345%20(1).pdf

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17.	Dr. Sumit Kumar Gupta	Deep Learning Based Approach To Study The Various Thermoelectric Materials And Their Compositions In Utilization Of Solar Energy	2022	202241041688	https://stwilfredscollege.com/naacdata/HIDE/patents/202241041688%20(1).pdf
18.	Dr. Sumit Kumar Gupta	Robotic Based Technology To Manage And Monitor The Water Pollution Caused To Rivers	2022	202211038853	https://stwilfredscollege.com/naacdata/HIDE/patents/202211038853%20(1).pdf
19.	Dr. Sumit Kumar Gupta	Interactive Robotic Systems With Novel Fabrication Techniques And Integration Processes To Facilitate Reconfigurable Circuit Design With Nano Materials	2022	202241044982	https://stwilfredscollege.com/naacdata/HIDE/patents/202241044982%20(1).pdf
20.	Dr. Sumit Kumar Gupta	Designing A Framework Of Iot Integrated With PV Solar Cells To Increase The Renewable Energy Extraction By Capturing The Solar Rays	2022	202241046904	https://stwilfredscollege.com/naacdata/HIDE/patents/202241046904%20(1).pdf
21.	Dr. Sumit Kumar Gupta	Deep Learning Approach To Analyze the Characteristics of Various Nano Materials Along With Molecular Structures for Utilizing In Agricultural Management	2022	202241046049	https://stwilfredscollege.com/naacdata/HIDE/patents/202241046049%20(1).pdf
22.	Dr. Sumit Kumar Gupta	Machine Learning Approaches To For Improving The Automatic Solar Light Tracking System For Energy Efficiency	2022	202241050110	https://stwilfredscollege.com/naacdata/HIDE/patents/202241050110%20(1).pdf
23.	Dr. Sumit Kumar Gupta	Machine Learning Based Approach For Maximizing The Utilization Of Sodium Ion Batteries In The Near Future By Addressing The Flaws	2022	202241047661	https://stwilfredscollege.com/naacdata/HIDE/patents/202241047661%20(1).pdf
24.	Dr. Sumit Kumar Gupta	Facial Expression Analysis System For Predicting The Stress Imposed On Employees Of An Organization Through Image Recognition Techniques	2022	202241060869	https://stwilfredscollege.com/naacdata/HIDE/patents/202241060869%20(1).pdf

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25.	Dr Sumit Kumar Gupta	Design And Analysis Of Battery Super Capacitor Hybrid Electrical Energy Storage Systems For Regulation Services	2022	202211058240	https://stwilfredscollege.com/naacdata/HIDE/patents/202211058240%20(1).pdf
26.	Dr Sumit Kumar Gupta	Deep Learning Based Analysis To Identify The Impact Of Various Social Media Platforms On Academic Performance Of Students	2022	202211053623	https://stwilfredscollege.com/naacdata/HIDE/patents/202211053623%20(1).pdf
27.	Dr Sumit Kumar Gupta	Machine Learning Based Approach To Study The Structural, Optical And Electrical Characterization Of Nanostructured Porous Silicon	2022	202241069634	https://stwilfredscollege.com/naacdata/HIDE/patents/Patents%20a%20(1).pdf
28.	Dr Sumit Kumar Gupta	Smart IOT Based System Integrated With Artificial Intelligence Framework For Prediction Of Air And Water Pollution	2022	202241065330	https://stwilfredscollege.com/naacdata/HIDE/patents/Patent%20b%20(1).pdf
29.	Dr. Sumit Kumar Gupta	Systematic Approach For Monitoring The Pollution Control In Smart Cities And Addressing The Security Challenges Integrated With Internet Of Things (Iot)	2022	202211056475	https://stwilfredscollege.com/naacdata/HIDE/patents/202211056475%20(1).pdf
30.	Dr .Sumit Kumar Gupta	Systematic Approach To Analyse The Pros And Cons Of Organic Photovoltaic Cells	2022	202241058312	https://stwilfredscollege.com/naacdata/HIDE/patents/202241058312%20(1).pdf

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