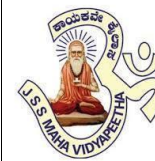




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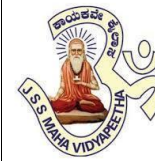


**PATENT DETAILS FOR THE YEAR 2023**

Sl. No.	Topic	Applicant/s Name	Assignee/s Name (Institute Affiliation/s at time of Application)	Application Number	Date of filing	Publication date
1.	Development of Eco-Friendly Concrete using Industrial Waste such as Fly Ash, Imperial Smelting Furnace Slag, Stone Dust with Hooked Steel Fibre	Amit Tripathi, Dr. S. Varadharajan, Bishnu Kant Shukla, Parikshit N H, Gaurav Bharti, Bharath B, Shamanth S, Jyothi C Nagavi, Dr. Gaurav Jain, Dr. Bhupendra Parashar	JSS Academy of Technical Education, Noida Dr. Shikha Verma, Dr. Neha Gupta, Ms. Rosey Chauhan	202311000219	03-01-2023	13-01-2023
2.	Development of Eco-Friendly and Sustainable Concrete using Imperial Smelting Furnace Slag, Construction & Demolition Waste, Waste Marble Powder and Metakaolin	Amit Tripathi, Dr. S. Varadharajan, Bishnu Kant Shukla, Parikshit N H, Gaurav Bharti, Ayushi Bhati, Shamanth S, Jyothi C Nagavi, Dr. Gaurav Jain, Dr. Bhupendra Parashar	Amit Tripathi, Dr. S. Varadharajan, Bishnu Kant Shukla, Parikshit N H, Gaurav Bharti, Bharath B, Shamanth S, Jyothi C Nagavi, Dr. Gaurav Jain, Dr. Bhupendra Parashar	202311000421	03-01-2023	13-01-2023



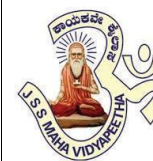
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3.	Blockchain Based Centralized Cloud Application in Smart Cities	Bishnu Kant Shukla	, Bishnu Kant Shukla, JSS Academy of Technical Education Noida	202341003902	20-01-2023	03-02-2023
4.	IoT based Physical Rehabilitation System for Smart Walker	Bishnu Kant Shukla	Bishnu Kant Shukla, JSS Academy of Technical Education Noida	202341005738	29-01-2023	24-02-2023
5.	Small Scale Machine for Recycling of Aggregate Concrete Materials	Syed Faraz Hussain, P.R. Kalyana Chakravarthy, Divya Tyagi, Bishnu Kant Shukla, Trupti Dandekar Humnekar, Felix Sahayaraj, V. Kannan	Bishnu Kant Shukla, JSS Academy of Technical Education Noida	378679-001 (Design Patent)	04-02-2023	11-04-2023 (Granted)
6.	IoT Based Weather Reporting System	Bishnu Kant Shukla, Jenifer Mahilraj, Harishchander Anandaram, Rajeev Ratna Vallabhuni, V Neethidevan, N. Narasimhulu, Trupti Dandekar Humnekar, V. Kannan	Bishnu Kant Shukla, JSS Academy of Technical Education Noida	378815-001 (Design Patent)	07-02-2023	11-04-2023 (Granted)



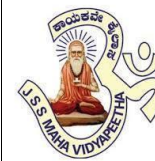
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7.	Deep-Learning Based Approach to Analyse the Factors That Are Responsible for Causing DNA Based Genetic Disorders	JSS Academy of Technical Education, Noida Dr. Kakoli Banerjee	JSS Academy of Technical Education, Noida Dr. Kakoli Banerjee	202211071425 A	16-12-2022	06.01.2023
8.	IOT Enabled Smart Diaper (Design application)	Dr. Anuj K Singh, Ms. Shalini Rana, Mr. Saurabh, Mr. Amit K, Dr. Amit Kumar Ahuja, Mr. Anil K., Mr. Arman Ul Haque's	Dr. Amit Kumar Ahuja, (JSSATEN),	356650-001	13.01.22	06.01.23 Granted
9.	IOT Apparatus for Detecting Quality and Shelf Life of Processed Seafood (Utility PATENT)	MR. PRAVEEN V VIJAPUR, MRS. SPOORTI J JAINAR (JSSATEN), DR. ARUN KUMAR G (JSSATEN), DR. NAGARAJA B. G	Dr. Arun Kumar G (JSSATEN),	201941005285 A	11.02.19	03.01.23 Granted
10.	Smart Mask (Design application)	Dr Amit Kumar Ahuja, et.al	Dr. Amit Kumar Ahuja, (JSSATEN)	356898-001	18.01.22	09.01.23 Granted
11.	A Lagrange and Poisson distribution-based method controlled with artificial neural network for various utilities	JSS Academy of Technical Education Noida Abhinav saxena et al.	Abhinav saxena et al. JSS Academy of Technical Education Noida	202311004609	24-01-2023	02-10-2023



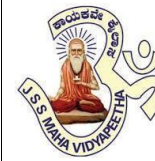
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12.	Automatic motor bike side stand	Abhinav saxena et al.	JSS Academy of Technical Education, Noida	202311004604	24-01-2023	02-10-2023
13.	Early Flood Detection System Using Internet of Things (IOT)	JSS Academy of Technical Education, Noida Dr. Meena Arora	JSS Academy of Technical Education, Noida Dr. Meena Arora	202311004108	20-01-2023	27-01-2023
14.	An IoT and cloud Technique to track and monitor the Work and well-being of the street sweepers	JSS Academy of Technical Education, Noida Dr. Meena Arora	JSS Academy of Technical Education, Noida Dr. Meena Arora	202311007959	02-07-2023	02-10-2023
15.	Battery Pack	JSS Academy of Technical Education Dr Richa Verma Dr Pratima	JSS Academy of Technical Education Dr Richa Verma Dr Pratima	372855-001	20-10-2022	23-01-2023
16.	Tubular Furnace for Sintering and Heating of Metal/Alloys and Fabrication method thereof	Akhilshwar Nirala, Dr. Lalit Kumar, Krishna Singh, Ganesh Maurya, Manisha Chaudhary, Rajendra prasad	Manisha Chaudhary (JSSATEN)	202311007998A	8.02.2023	10.02-2023
17.	Transportable Oxygen Delivery Device	Muhammadu Sathik Raja M. S, Sandeep Singla, E.N. Ganesh, Anandkumar S Malipatil, Sujit Tewari, Bishnu Kant Shukla,	Bishnu Kant Shukla (JSSATEN)	381070-001 (Design patent)	08-03-2023	07-06-2023 (Granted)



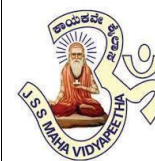
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		Priya Makhija, V. Kannan				
18.	Blood Cancer Detection Device	J. Varghese, V. Kannan, J. Mahilraj, C.R. Behera, Bishnu Kant Shukla, E.N. Ganesh, P. Sahu	Bishnu Kant Shukla, JSS Academy of Technical Education, Noida	143350	21-06-2023	05-09-2023 (Granted)
19.	Air Pollution Monitor	S.K. Singh, S.D. Ambadkar, R.S. Prathiba, S.R. Kalaivani, A.S. Manoj, A. Arora, Bishnu Kant Shukla, V. Kannan	Bishnu Kant Shukla, JSS Academy of Technical Education, Noida	143468	12-05-2023	05-09-2023 (Granted)
20.	Solar Desalination System	M. Devanathan, T.S. Hanmantrao, M.K. Aiden, S.M. Sabharwal, Bishnu Kant Shukla, S. Datta, S. Boobalan, V. Kannan	Bishnu Kant Shukla JSS Academy of Technical Education, Noida	142471	01-05-2023	23-08-2023 (Granted)
21.	Solid Waste Disposal Unit	V. Kannan, S.S. Jayabharathi, O.R. Kavitha, S. Sriram, S. & Bishnu Kant Shukla	Bishnu Kant Shukla JSS Academy of Technical Education, Noida	393049-001 (Design Patent)	18-08-2023	26-10-2023 (Granted)



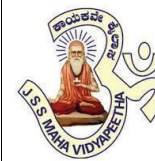
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22.	Pumping Unit for Irrigation	S.K. Singh, N.S. Satish, A.S. Manoj, M. Manjuladevi, M. Taneja, V. Chahal, Bishnu Kant Shukla, V. Kannan	Bishnu Kant Shukla JSS Academy of Technical Education, Noida	395859-001 (Design Patent)	23-09-2023	12-01-2024 (Granted)
23.	Cloud-Based Robotic System for Agriculture Management	Dr Gayatri Sakya, Dr Arun Kumar G, Dr. Chhaya Grover, Dr Chhaya Dalela, Mrs. Monika Malik, Shivam, Naina Rani, Tanu Tripathi	JSS Academy of Technical Education Noida	202311049158	21-07-2023	11-08-2023
24.	Real-Time Ai-Enabled Health Monitoring in Iot Wearable Devices	Mr. Ganesha H S, Dr. Chandra Shankar, Dr. Arun Kumar G, Dr. Deependra Sharma, Mr. Shivaji Sinha, Mr. Anuranjan Kansal, Mr. Madan Prasad C S, Mr. Rahul Kumar Gupta	JSS Academy of Technical Education Noida	202311054345 A	12-08-2023	08-09-2023
25.	Smart Handheld Locating Device	Dr. Vineeta Khemchandani, Dr. Dhiraj Pandey, Dr. Gunjan Ansari, Dr. Pushpa Chaudhary	JSS Academy of Technical Education NOIDA	368489-001	28-07-2022	03-08-2023 (Granted)



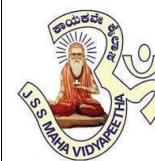
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26.	AI Based Eye Flu Detection Device	Charu Awasthi	Charu Awasthi JSS Academy of Technical Education NOIDA	6314034	21.9.23	28.9.23 (Granted)
27.	A novel method for developing fuzzy code word length noiseless coding theorem	Dr Barkha Rohatgi, Dr Anushri Verma, Dr Kunti Devi Mishra, Dr Shalini Singh, Dr Nikunj Agarwal, Dr Shikha Maheshwari	Dr Nikunj Agarwal JSS Academy of Technical Education NOIDA	202311052783 A	07.08.2023	01.09.2023
28.	“System and Method Developed for Shape Memory Alloy Composite in the Automobile Industry”	Mr. Kapil Dev	Mr. Kapil Dev JSS Academy of Technical Education Noida	202311056182	22.08.2023	22.09.2023
29.	Real-Time Ai-Enabled Health Monitoring in Iot Wearable Devices	JSS Academy of Technical Education, Noida	JSS Academy of Technical Education Noida	202311054345 A	12-08-2023	08-09-2023



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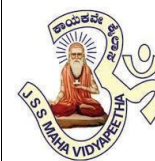


30.	IoT Based Weather Reporting System	Bishnu Kant Shukla, Jenifer Mahilraj, Harishchander Anandaram, Rajeev Ratna Vallabhuni, V Neethidevan, N. Narasimhulu, Trupti Dandekar Humnekar, V. Kannan	Bishnu Kant Shukla JSS Academy of Technical Education, Noida	132908	07-02-2023	11-04-2023 (Granted)
31.	Small Scale Machine for Recycling of Aggregate Concrete Materials	Bishnu Kant Shukla	Bishnu Kant Shukla JSS Academy of Technical Education, Noida	132905	04-02-2023	11-04-2023 (Granted)
32.	Solar Desalination System	Malmarugan Devanathan, Tarte Shilpa Hanmantrao, Manpreet Kaur Aiden, Shweta Mayor Sabharwal, Bishnu Kant Shukla, Shantanu Datta, S. Boobalan, V.Kannan	Bishnu Kant Shukla JSS Academy of Technical Education, Noida	385384-001 (Design Patent)	01-05-2023	23-08-2023 (Granted)





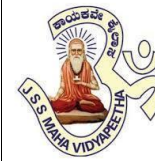
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33.	Air Pollution Monitor	Santosh Kumar Singh, Swati D Ambadkar, R S Prathibha, S.R. Kalaivani, Manoj A S, Aasna Arora, Bishnu Kant Shukla, V. Kannan	Bishnu Kant Shukla JSS Academy of Technical Education, Noida	386121-001	12-05-2023	05-09-2023 (Granted)
34.	“ Transportable Oxygen Delivery Device	Bishnu Kant Shukla	Bishnu Kant Shukla JSS Academy of Technical Education, Noida	138872	07-02-2023	07-06-2023 (Granted)
35.	Blood Cancer Detection Device	Jobin Varghese, V. Kannan, Jenifer Mahilraj, Chitta Ranjan Behera, Bishnu Kant Shukla, E.N. Ganesh, Priyabrata Sahu	Bishnu Kant Shukla JSS Academy of Technical Education, Noida	388723-001 (Design Patent)	21-06-2023	05-09-2023 (Granted)
36.	UK Design Patent Granted on “ML Based Robot for Determining Crop Yield”	Dr. Kakoli Banerjee	Dr. Kakoli Banerjee JSS Academy of Technical Education, Noida	6286024	27.05.2023	06.06.2023 (Granted)



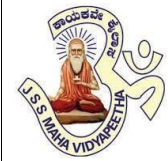
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37.	AI based Pulse Oximeter	Bharat Bhushan Sharma, Vijay Mohan, Bharti Panjwani, Aman Joshi	Bharat Bhushan Sharma, JSS Academy of Technical Education, Noida	357533-001	28-01-2022	18-04-2023 (Granted)
38.	System for Live Information Status Indicator in ATMs	Dr. Amit Kumar Ahuja, Vishu Sharma, Divyansh Sharma, Shivam Semwal, Vidhu Sharma	Dr. Amit Kumar Ahuja, JSS Academy of Technical Education, Noida	202311040230	13-06-2023	14-07-2023
39.	AI based Pulse Oximeter	Bharat Bhushan Sharma, Vijay Mohan, Bharti Panjwani, Aman Joshi	Bharat Bhushan Sharma, JSS Academy of Technical Education, Noida	357533-001	28-01-2022	18-04-2023 (Granted)
40.	IOT based system in Car to avoid collision on National Highway	Neha Deepak Saxena, Naveen J, Mukesh Yadav	Neha Deepak Saxena JSS Academy of Technical Education, Noida	202311021605	12-05-2023	12-05-2023
41.	Development of sustainable environment by utilizing energy efficient material	Neha Deepak Saxena,	Neha Deepak Saxena JSS Academy of Technical Education, Noida	202311033495A	12-05-2023	23-06-2023



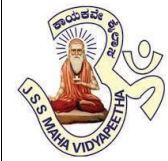
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42.	Automatic Face Mask Detection Device in Hospital Through Internet of Things Based on Technology	Dr. Suvandan Saraswat, Neha Deepak Saxena	Dr. Suvandan Saraswat, Neha Deepak Saxena JSS Academy of Technical Education, Noida	202311035592	23-05-2023	30-06-2023
43.	Meditation Chair	Dr. Kakoli Banerjee	Dr. Kakoli Banerjee JSS Academy of Technical Education, Noida	6282624	16.05.2023	Granted on 12.10.2023.
44.	A system using blockchain for medical data security assurance	JSS Academy of Technical Education, Noida	JSS Academy of Technical Education, Noida	202311068153	11-10-2023	27-10-2023
45.	A System and method of outsourcing performance analysis	Dr Kokila Saxena	Dr Kokila Saxena JSS Academy of Technical Education, Noida	202311068329A	11-10-2023	08-12-2023



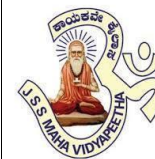
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46.	IOT Based Academic Activity tracking in organizations in accordance with national education guidelines	Dr. Prem Shanker Yadav	Dr. Prem Shanker Yadav JSS Academy of Technical Education, Noida	202311063550	21-09-2023	13-10-2023
47.	IoT based Biogas Leakage Detecting Device	Devanathan, M., Panneerselvam, K., Aswath, S., Suganthi, R., Sujatha, S., Sampath Kumar, Y.R., Shukla, B.K. and Kannan, V.	Shukla, B.K. JSS Academy of Technical Education, Noida	399711-001	10-11-2023	15-01-2024 (Granted)
48.	Weather Forecasting System	Maheswari, T.L., Kousika, N., Renugadevi, G., Shukla, B.K., Manoj Kumar, R.A., Boopathy, Raja Ram, M. and Kannan, V.	Shukla, B.K. JSS Academy of Technical Education, Noida	399731-001	10-11-2023	12-01-2023 (Granted)
49.	Solid Waste Disposal Unit	Kannan, V., Jayabharathi. S.S., Kavitha, O.R., Sriram, S. & Shukla, B.K.	Shukla, B.K. JSS Academy of Technical Education, Noida	393049-001	18-08-2023	26-10-2023 (Granted)



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52	Portable Bottle with Water Heating, Cooling and Purification Capability	Manish Kumar, Shivam Aggarwal, Vansh Thakur, Ishrat Zama Khan, Dr. Amit Kumar Ahuja, Amit Kumar	Dr. Amit Kumar Ahuja, (JSSATEN)	351960-001	25-10-2021	20-01-2023
53	Tubular Furnace for Sintering and Heating of Metal/Alloys and Fabrication Method Thereof	Akhileshwar Nirala, Dr Lalit Kumar Gupta, Sri Krishna Singh, Ganesh Maurya, Dr. Manisha Chaudhary, Dr Rajendra Prasad	Dr. Manisha Chaudhary (JSSATE, Noida)	202311007998 A	08/02/2023	10/02/2023