



NEHRU ARTS AND SCIENCE COLLEGE

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Recognized by UGC with 2(f) & 12(B), Under Star College Scheme by DBT, Govt. of India)
Nehru Gardens, Thirumalayampalayam, Coimbatore - 641 105, Tamil Nadu.



Patent Details - Academic Year 2020 - 2021

S. No.	Inventor Name	Invention Title	Nationality	Patent Number	Date of Publication
1	Dr. B. Anirudhan Dr. N. Saranya D. Antony Pradeesh	Automatic Hand Sanitizer Dispenser Measurement	Indian	202041054792	16.12.2020
2	Dr. M. Kanagarathinam Dr. C. Boopathi	Enhanced Storage Method of Gravitational Energy to Manage Renewable Resources	Indian	202141000258	04.1.2021
3	Dr. N. Saranya	User Friendly Navigation System through voice command for the visually impaired as well as elder people	Australian	2020102835	06.1.2021 Granted
4	Mr. M. Suresh	IAH – Waste Management: Intelligent Waste Management for Ayurveda Hospitals Using IoT based	Indian	202141001290	22.01.2021
5	Dr. D. Vimal Kumar	An Artificial Intelligent Based Trading System	Australian	2021100342	31.03.2021 Granted
6	Dr. N. Saranya Dr. B. Anirudhan	Sewage Pipeline Blockage and Bottle Neck Detection using Hybrid Sensor and Geo-Spatial Data Analysis	Australian	2021101981	26.05.2021 Granted



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Patent Details - Academic Year 2021 - 2022

S. No.	Inventor Name	Invention Title	Nationality	Patent Number	Published Date
1	Dr. B. Anirudhan Dr. N. Shani Dr. S. Senthil Kumar Dr. P. K. Manoj Kumar M. Leelavathi Dr. N. Kavitha Dr. K. Selvavinayaki Dr. D. Vimal Kumar	An Instrument to Go Against Spoofing Assaults in the Utilization of Engineered Insight	Indian	202141022495	11.6.2021
2	Dr. Thomas Varghese Dr. T. H. Sukirtha	A Process for Preparing Nano fibers Face Mask	Indian	202141026646	Granted 02.07.2021
3	Dr. S. Kannan Dr. A. Balamurugan D. Antony Pradeesh Dr. M. Sathishkumar	IoE Based Intelligent Electronic Display System	Indian	202141026800	02.07.2021
4	Dr. T. Ramaprabha Dr. P. K. Manoj Kumar	Drone Surveillance System – Drone Guards	Indian	202141026978	17.06.2021
5	Dr. S. Kannan	Smart indoor plant environment control system	Indian	202141031088	16.07.2021

6	D. Subha, Sharmila, Julie Christiania K. Amritha, D. Antony Pradeesh, S. T. Tharanish	Smart Health Monitor	Indian	202141032314	30.07.2021
7	Dr. A. Kalaivani	Machine Learning and IoT Based Warehouse Management System for Early Detection of Spoilage	Indian	202141032726	20.07.2021
8	Dr. S. Kannan	Antimicrobial Nanoparticles to prevent food spoilage in refrigeration system	Indian	202141039215	10.09.2021
9	Dr. Senthil Kumar. P	Antimicrobial chitosan based nanoparticles composition and method for there of	Indian	20211140350	06.09.2021
10	Dr. D. Vimal Kumar Dr. R. A. Ayyaparajan	Enhanced approach for prediction of diabetic retinopathy using classifier model	Indian	202141040631	17.09.2021
11	Ms. K. Gowri	The importance of Information Technology (IT) in the electronic commerce industry	Indian	202141043584	01.10.2021
12	Dr. N. Shani Dr. D. Shanthirevathi	The decisive role of the HR Function, from a strategic perspective and as an immediate beneficiary of the output data	Indian	202141050289	31.10.2021
13	Ms. K. Gowri	The impact of latest technology capability, Human Resource (HR), customer fulfilment, market resources, and on yearly sales growth	Indian	202141046047	22.10.2021
14	Dr. K. Raja Rajeswari	Analysis of HRM accounting practices and its implications in India	Indian	202141049181	05.11.2021
15	Dr. S. Kannan	Smart wearable nanomaterial glove for industrial	Indian	202141052700	03.12.2021
16	Dr. S. Priya Srivastava	Analysis of capital structure its determination in various Indian companies	Indian	202141050896	19.11.2021

17	Dr. S. Kannan	Efficient titanium alloy nanocoatings for aerospace components	Indian	202141055659	10.12.2021
18	Dr. N. Shani, Mrs. T. Sudha, Mrs. M. Sathiya, Dr. D. Shanthirevathi	An Economic Analysis on Turmeic Production and Marketing	Indian	202141056041	10.12.2021
19	Dr. N. Saranya Dr. T. H. Sukirtha Dr. R. Vijayaraghavan	Production of Biogas and Bio-fertilizers by innovative process from organic waste	Indian	202141057841	13.12.2021
20	Dr. Ayyaparajan. R. A	Fishing web classification based on iniform resource locator in cloud technology	Indian	202141060316	31.12.2021
21	Mrs. Dhivya Priya	Impact of E-requirement of Effectiveness of HR Department	Indian	202141061893	07.01.2022
22	Dr. D. Vimal Kumar	Vehicle Classification with Deep Learning using opencv & Python	Indian	202241000218	14.01.2022
23	Dr. Saranya N	A novel method for fruit detection and calorie estimation using CNN	Indian	L-110658/2022 Copy Rights	18.01.2022
24	Dr. Swarnalatha. A	Safe guarding electronic health records in health care using block chain technology	Indian	202241005101	31.1.2022
25	Dr. V. Kavitha Dr. T. Ramaprabha	An IOT integrated blockchain technique to handle security information	Indian	202241005364	11.02.2022
26	Mrs. R. Mahadevi	Impact of purchasing segmentation to achieve organizations sales aims	Indian	202241006773	11.02.2022
27	Dr. K. Raja Rajeswari	Impact of Burnout Managerial politics and Administrative fairness on turnover objective among employees	Indian	202241007777	18.02.2022

28	Dr. V. Kavitha	A smart Machine Learning Based Predictive System to Analyze the Performance of Employees	Indian	202241006282	18.02.2022
29	Dr. A. Kovalan Mr. P. Boopath, Mr. M. Senthil kumar	Deep learning based analysis of artery deposition using segmentation and CNN classification approach	Indian	202241007992	25.02.2022
30	Dr. Vinoth Kumar, Dr. David Jayaseelan Dr. Dinesh M.D	An approach to manage house hold waste and electricity production using Biotechnology	Indian	202241011574	11.3.2022
31	Mrs. Raynukaazhakarsamy	Forecasting of soil nutrients with pH rangein farming using deep learning technique	Indian	202241012074	18.3.2022
32	Dr. P. K. Manoj Kumar Ms. M. Leelavathi	IOT based smart secure device to deliver fast and high quality equipment/ medicine using cloud computing technology in medical field	Indian	202241011932	25.03.2022
33	Dr. Vinoj	PV based battery monitoring system using IoT	Indian	202241016026	25.03.2022
34	Dr. M. Thangavel	An obesity formailation from medicinal plants and preparation method thereof	Indian	202221018059	28.03.2022
35	Dr. Suresh Kumar	A probiotic technology to study the positive traits of silver nanoparticles on bacterial infections	Indian	202241016038	08.04.2022
36	Dr. Shanmugam. V	Analysing the effect of nanoparticles on cancerous lumps	Indian	202211017034	08.04.2022
37	Anitha Merlin D. J S. Delight Mary	A mobile adhoc network for tracking the mobile phones for any intrusions or mishandling of data	Indian	202241018318	08.04.2022
38	S. Senthil kumar, S. Arockia Panimalar P. Jeyanthi	Machine learning based approach to study the impact of antibiotics on Toddlers using their primary health data	Indian	202241017724	08.04.2022

39	Dr. J. Vinoj	Plant leaf diseases detection using machine learning and IoT	Indian	202241019290	08.04.2022
40	Dr. D. Surya Prabha	Android Document sharing system using block chain technology	Indian	202241019701	15.04.2022
41	Dr. A. Kalaivani	Intrusion detection system analytical approach using bigdata with deep learning techniques	Indian	202241016914	15.04.2022
42	Dr. D. Surya Prabha	Block chain cloud storage system	Indian	202241021032	22.04.2022
43	Dr. Ramesh R Mrs. Raynukaazhakarsamy	Block chain in data communication channel of E-Health care system	Indian	202241021436	29.04.2022
44	Dr. Senthil kumar. S, Dr. Manoj Kumar. P. K Ms. Arockia Panimalar. S	Design and construction of a smart home system with lab view	Indian	202241023349	06/05/2022
45	Dr. Saranya N	A Composition For Preparing A Herbal Oil And A Pouch For Storing The Same	Indian	202241026130	Filed
46	Dr. Franklin Noaha Dr. T. V. Suresh Kumar	Artificial Intelligence system to analyse the infections that spread from contaminated food	Indian	202241027906	27.05.2022
47	Mr. Karthikeyan B	Deep learning approach to provide vulnerable frame work for safe guarding the data that are transferred over cloud along with cyber security	Indian	202241023064	13.5.2022
48	Dr. S. Kannan Dr. Sathishkumar.V	Artificial Intelligence based indoor Air quality Monitoring and control system	Indian	202241006767	11.02.2022
49	Dr. O.S.Nimmi	Green Pouches – Green and Sustainable Solution for Food Industry	Indian	202241027280	27.05.2022

50	Dr. P. Vinothkumar	Production of enzyme for the degradation of polythene bags	Indian	202241027410	27.05.2022
51	Dr. R. Kasimani	Single cell Protein Production Using Spirulina	Indian	202241027402	27.05.2022
52	Dr. Dinesh M. D	Low cost technology for development of organic biopesticide	Indian	202241027121	20.05.2022
53	Mrs. Raynukaazhakarsamy	System to carry over the campaign conducively	Indian	202241017968	15.04.2022
54	Janany. S Mrs. Raynukaazhakarsamy	Cost managing using digital technology	Indian	202241017965	15.04.2022
55	Dr. N. Saranya	Bioenzymatic Health care products	Indian	202241027557	13.05.2022
56	Dr. Esathnatheer	A Composition For Preparing A Herbal Oil And A Pouch For Storing The Same	Indian	202241026130	22.07.2022



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1	Dr.M.Kanagarathinam Mr.M.Suresh	Decentralized ledgers Management 2021	Indian	202241050734	16.09.2022
2	Dr. N. Saranya Dr. P. Thirunavukkarasu Dr. C. Chellaram Dr. V. Shanmugam Dr. O. S. Nimmi Dr. P. Senthil Kumar Dr. R. K. Selvakesavan Dr. E. Vijaya Gowri Dr. M. Dhanalakshmi	Chitosan-based biodegradable active films for food and drug packaging applications	Indian	202241050733	16.09.2022
3	Dr.K.Selvavinayaki Dr.A.Kalaivani Dr.K.Prathapchandran Mrs.M.Sheela Newsheeba Dr.D.Suryaprabha Dr.J.Vinoj P.Boopathi K.Arulmozhiarasu Ms.Renukka Azharsamy	A smart monitoring system for mental retardation children using Internet of Things and Deep Neural Network	Indian	202241050726	16.09.2022
4	Dr.K.Selvavinayaki Dr.A.Kalaivani Dr.K.Prathapchandran Mrs.M.Sheela Newsheeba Dr.D.Suryaprabha Dr.J.Vinoj	Internet of Things and Artificial Intelligence based Fire detection system	Indian	202241050735	16.09.2022

	P.Boopathi K.Arulmozhiarasu Ms.Renukka Azharsamy				
5	Dr. N. Kavitha Dr. D.Vimal Kumar Ms. K. Sumathi Ms. D. J. Anitha Meriln Ms. Juliet Rozario R. Anitha Mr. M. Senthil Kumar Dr. A. Kovalan	IoT based waste management system for Smart City	Indian	202241050732	16.09.2022
6	Dr.P.K.Manoj Kumar Dr.V.Kavitha Ms.S.Arockia Panimalr Dr.T.Ramaprabha Ms.P.Jeyanthi Mr.B.Karthikeyan Ms.M.Leelavathi	Prisoner monitoring system using Artificial Intelligence and Internet of Things	Indian	202241050736	16.09.2022
7	Dr. A.Swarnalatha Ms. R. Sowmia	Jack Fruit Seed Flour And Its Functional Food Products Processing Techniques	Indian	202241050727	16.09.2022
8	Dr. K. Pradeep Mr. R. Baiju Paul Mr. N. Rajkamal Mr. SanalSudhakaran	Persuasion Space Visual Trigger in Communication Design	Indian	202241050737	16.09.2022
9	Dr.S.Subakanmani Dr.V.Suganthi	Magnetite Nanoparticle synthesized Sapindusmukorossi coated pouches for wastewater treatment	Indian	202241050731	16.09.2022
10	Dr.M.Thangavel Dr.P.Vinothkumar Dr.B.David Jayaseelan	Auto Stainer	Indian	202241050730	16.09.2022
11	Dr.M.Thangavel Dr.P.Vinothkumar Dr.B.David Jayaseelan	Development of staining procedure by use of plant and vegetables extracts an alternative	Indian	202241050729	16.09.2022

12	Dr.S.Jayapriya C.Anisha M.Nandhini J.Jaisri D.Suryaprabha	Developing Pattachitra motif using liquid embroidery on Retro Costumes	Indian	202241050728	16.09.2022
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