



PRESIDENCY UNIVERSITY

Presidency University Act, 2013 of the Karnataka Act No. 41 of 2013 | Established under Section 2(f) of UGC Act, 1956
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PATENT DETAILS-2021

Sl. No.	Patent Application No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Applicant/s Name	Patent Filed Date (DD/MM/YYYY)	Patent Published Date / Granted Date (DD/MM/YYYY)	Patent Publication Number / Patent Granted Number	Assignee/s Name (Institute Affiliation/s at time of Application)	Here, attach Source Proof Screenshots/URL/ Website Links, etc.
1	2021104361	Granted	Dr. Pravinth Raja Suthakar, Dr. Kalaiarasan, C.	A METHOD AND SYSTEM FOR OBSTACLE DETECTION USING SMART WALKING STICK FOR BLIND AND VISUALLY IMPAIRED	Dr. Pravinth Raja Suthakar, Dr. Kalaiarasan, C.	06-02-21	20/07/2021		Presidency University	http://presidencyuniversity.cc/criteria_3/3.4.3/nirf_patents/supporting_docs/12.1.pdf
2	2021410019 30 A	Granted	Dr. Arulmurugan Ramu	METHOD FOR ENHANCED FEATURE SELECTION IN POLLUTION CONTROL MODELS FOR URBAN SUSTAINIBILITY	Dr. Arulmurugan Ramu	15/01/2021	22/01/2021	3222	Presidency University	http://presidencyuniversity.cc/criteria_3/3.4.3/nirf_patents/supporting_docs/13.1.pdf



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3	2021410014 58 A	Published	Dr. Arulmurugan Ramu	METHOD FOR INCREASING ACCURACY IN REGION BASED CELL DETECTION AND SEGMENTATION OF BIOMEDICAL IMAGES	Dr. Arulmurugan Ramu	01/12/20 21	15/01/2021	2450	Presidency University	http://presidencyuniversity.cc/criteria_3/3.4.3/nirf_patents/supporting_docs/14.1.pdf
4	2021410014 57 A	Published	Dr. Arulmurugan Ramu	METHOD FOR SECURITY AND NOISE MANAGEMENT IN COGNITIVE RADIO NETWORKS	Dr. Arulmurugan Ramu	01/12/20 21	15/01/2021	2449	Presidency University	http://presidencyuniversity.cc/criteria_3/3.4.3/nirf_patents/supporting_docs/15.1.pdf
5	2021410012 44 A	Published	Dr. Arulmurugan Ramu	METHOD FOR OPIMIZED HANDOVER IN COGNITIVE RADIO NETWORKS BASED ON SPECTRUM SENSING	Dr. Arulmurugan Ramu	01/11/20 21	15/01/2021	2436	Presidency University	http://presidencyuniversity.cc/criteria_3/3.4.3/nirf_patents/supporting_docs/16.1.pdf
6	2021410012 43 A	Published	Dr. Arulmurugan Ramu	A METHOD FOR COGNITIVE RADIO HANDOVERS USING SWARM INTELLIGENCE	Dr. Arulmurugan Ramu	01/11/20 21	15/01/2021	2435	Presidency University	http://presidencyuniversity.cc/criteria_3/3.4.3/nirf_patents/supporting_docs/17.1.pdf



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7	2021101733	Granted	Dr. Aditya Saxena	INTERNET OF THINGS (IOT) SYSTEM AND METHOD FOR SMART HOTEL LOCATION AND INTERNAL STATUS UPDATE	Dr. Aditya Saxena	04/06/2021	05/05/2021		Presidency University	http://presidencyuniversity.cc/criteria_3/3.4.3/nirf_patents/supporting_docs/18.1.pdf
8	202141013977 A	Published	TULIKA DUTTA	AUTOMATED HYPERSPECTRAL IMAGE CLUSTERING USING MULTILEVEL QUANTUM DIFFERENTIAL EVOLUTION ON QUANTUM	TULIKA DUTTA	29/03/2021	04/09/2021	18221	Presidency University	http://presidencyuniversity.cc/criteria_3/3.4.3/nirf_patents/supporting_docs/19.1.pdf
9	202141044540 A	Published	Mr. Vetrimani	Diagnosis and Management of COVID-19 using Artificial Intelligence	Mr. vetrimani	04/09/2021	10/08/2021	46470	Presidency University	http://presidencyuniversity.cc/criteria_3/3.4.3/nirf_patents/supporting_docs/20.1.pdf
10	202141042729 A	Published	Dr. N.RAJKUMAR	IOT BASED SMART BIN MONITORING SYSTEM FOR SMART CITIES	Dr. N.RAJKUMAR	21/09/2021	05/11/2021		Presidency University	http://presidencyuniversity.cc/criteria_3/3.4.3/nirf_patents/supporting_docs/21.1.pdf
11	202141039690	Published	Ms. Anitha premkumar	IOT BASED Intelligent system and methods for garbage monitoring and alert	Ms. Anitha premkumar	09/02/2021	09/10/2021		Presidency University	http://presidencyuniversity.cc/criteria_3/3.4.3/nirf_patents/supporting_docs/23.1.pdf



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12	2021410500 23	Published	Madhura K	AN IOT SYSTEM BASED ON BLOCKCHAIN IN DOCUMENT MANAGEMENT SYSTEM FOR THE SECURITY ENHANCEMENT AND METHOD THEREOF	Madhura K	11/01/2021	19/11/2021		Presidency University	http://presidencyuniversity.cc/criteria_3/3.4.3/nirf_patents/supporting_docs/24.1.pdf
13	.202141033 792 A	Published	B. Prema Sindhuri	A REAL-TIME SYSTEM FOR CLASSIFYING AND GENERATING SKELETON OF OBJECTS USING ML TECHNIQUES.	B. Prema Sindhuri	27/07/2021	08/06/2021	34611	Presidency University	http://presidencyuniversity.cc/criteria_3/3.4.3/nirf_patents/supporting_docs/25.1.pdf
14	2021410465 77 A	Published	Dr. A. K. Sampath	RFID based Intelligent Smart-Cart System for Automatic Billing	Dr. A. K. Sampath	10/12/2021	29/10/2021	50223	Presidency University	http://presidencyuniversity.cc/criteria_3/3.4.3/nirf_patents/supporting_docs/26.1.pdf
15	2021410551 69A	Published	Dr. K SANKAR	AN IMAGE RECOGNATION BASED ROTATING TELEVISION SCREEN TO ADJUST TO THE VIEW OF VIEWER	Dr. K SANKAR	29/11/2021	12-10-21	60090	Presidency University	http://presidencyuniversity.cc/criteria_3/3.4.3/nirf_patents/supporting_docs/27.1.pdf
16	2021410553 04 A	Published	Ms. Madhura K	AN ARTIFICIAL INTELLIGENCE SYSTEM FOR BIOMEDICAL DEVICES MONITORING USING SPEECH COMMAND AN INTERNET OF THINGS.	Ms. Madhura K	29/11/2021	12/10/2021	60107	Presidency University	http://presidencyuniversity.cc/criteria_3/3.4.3/nirf_patents/supporting_docs/28.1.pdf



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17	202141048063	Published	Dr. Manujakshi BC	A system and method for enabling an ordered eatables tracker system	Dr. Manujakshi BC	21/10/2021	11/05/2021	45/2021	Presidency University	http://presidencyuniversity.cc/criteria_3/3.4.3/nirf_patents/supporting_docs/29.1.pdf
18	0425/KOL/2011 (Indian patent)	Granted	Dr. Aparna Roy	Chemically modified jute fiber reinforced high strength concrete and process thereof	Dr. Aparna Roy	25/03/2015	02/11/2021	381157	Presidency University	http://presidencyuniversity.cc/criteria_3/3.4.3/nirf_patents/supporting_docs/34.1.pdf
19	202141033070 A	Published	Vetrimani Elangovan	Low Cost Box Type Solar Cooker for Hill Area People	1)Dr. T. Vinoth Kumar 2)Dr. K. Geetha 3)E. Vetrimani 4)T. Sowdaiya Prabu 5)B. Mohana 6)B.Suresh 7)L. Senthil Murugan 8)Ramesh Balu Ranpise 9)K. Thangarajan 10)R. Prakash 11)K. Saravanan 12)Dr. P. Monica 13)F. Vijay Amirtha Raj	22/07/2021	30/07/2021	202141033070 A	Presidency University, Bangalore	http://presidencyuniversity.cc/criteria_3/3.4.3/nirf_patents/supporting_docs/35.1.pdf



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20	Application No.202141010921 A	Published	Ms. Geetha K	METHOD FOR DIAGNOSE AND MANAGEMENT OF FAULTS IN SMART CITY CLEANLINESS ADMINISTRATION USING SELF-ADAPTIVE MACHINE LEARNING	Dr. Aravinda H. S	19/03/2021	19/03/2021	The Patent Office Journal No. 12/2021	Presidency University	http://presidencyuniversity.cc/criteria_3/3.4.3/nirf_patents/supporting_docs/36.1.pdf
21	Application No.202041011207	Published	Dr Sreenivasappa B V	TOUCH PAD BASED SOLID STATE SWITCH WITH ZVS AND ZCS TO REPLACE HIGHER AMPERE CONVENTIONAL MECHANICAL SWITCH	Dr Sreenivasappa B V	16/03/2020	27/03/2021	The Patent Office Journal No. 13/2021	Presidency University	http://presidencyuniversity.cc/criteria_3/3.4.3/nirf_patents/supporting_docs/37.1.pdf
22	202141056897	Published	Dr SP Anandaraj	AN ARTIFICIAL INTELLIGENCE BASED SMART PILLOW FOR PATIENT HEALTH MONITORING	Dr SP Anandaraj	12/07/2021	12/10/2021	The Patent Office Journal	Presidency University	http://presidencyuniversity.cc/criteria_3/3.4.3/nirf_patents/supporting_docs/38.1.pdf
23	202041033570	Published	Dr.V.Joshi Manohar	A HYBRID SMA&PO TECHNIQUE FOR MPPT CONTROLLER TO TRACK THE MAXIMUM POWER FROM PV MODULES	Dr.V.Joshi Manohar	08/05/2020	23/07/2021	The Patent Office Journal No. 30/2021	Presidency University	http://presidencyuniversity.cc/criteria_3/3.4.3/nirf_patents/supporting_docs/39.1.pdf
24	202141025551	Published	Dr Vishal Shukla	INTELLIGENCE BASED SMART DOOR SYSTEM AND METHOD THEREOF	Dr Vishal Shukla	06/08/2021	25/06/2021	The Patent Office Journal No.	Presidency University	http://presidencyuniversity.cc/criteria_3/3.4.3/nirf_patents/supporting



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								26/2021		docs/40.1.pdf
25	2021103949	Published	Dr Vishal Shukla	ARTIFICIAL INTELLIGENCE BASED SMART DOOR SYSTEM AND METHOD THEREOF	Dr Vishal Shukla	06/08/2021	25/08/2021	IP Australia	Presidency University	http://presidencyuniversity.cc/criteria_3/3.4.3/nirf_patents/supporting_docs/41.1.pdf
26	202141006255	Published	Shanmugarathinam, Pravinth Raja, Sheethal	NOVEL CHEQUE CLEARANCE SYSTEM IN BANKING SYSTEM USING BLOCKCHAIN METHOD	Shanmugarathinam, Pravinth Raja, Sheethal	07/08/2021	19/08/2022	The Patent Office	Presidency University	http://presidencyuniversity.cc/criteria_3/3.4.3/nirf_patents/supporting_docs/42.1.pdf