

Patents @IFHE

At **IFHE**, we pursue teaching-learning differently. We live a spirit of research & innovation and foster a community of dynamic and curious thinkers for the real world.

Emphasizing on contributing towards new and Innovative India, IFHE has **59 patents (4 international granted, 2 international published, 53 national published)** in the emerging trends like Design, Mechatronics, Artificial intelligence, Data science, Block chain, IOT etc., which were filed by faculty and students.

The list of patents is:

International patents Granted: 4

S.No	Name of the Patenter	Patent Number	Title of the patent	Year of Award of patent
1	Dr.A. ChandraSekhar	20201020 44	A smart and automated patient monitoring bed for COVID patients	Granted Eight years from 28 August 2020
2	Dr. Grandhi Suresh Kumar	2020102178	Smart School Bag For Assisting and Protecting the School Students by Tracking the Geographical Location	Granted Eight years from 8 September 2020
3	Dr.Sayaji Hande	US 10 318 971 B2	Normalizing user responses to an event by removing behavioral bias	International: Granted June 11, 2019
4	Dr.A. ChandraSekhar	2021101931	Development of Android Based Auto Car Jack Using Internal Car Power	Granted Eight years from 19 th May 2021

International patents Published: 2

S.No	Name of the Patenter	Patent Number	Title of the patent	Year of Award of patent
1	Dr.Manmadha chary	WO 2019 / 008547 A1	Implantable Device for Temporomandibular Joint and Method of Production Thereof	International: Published Issue 10/1/2019
2	Dr.Chandrashekhar A	2021104585	An artificial intelligence and IOT based system for accessing civil infrastructure,	Filed on 27/07/2021. (India and Australia)

National Patents Published: 53

S.No	Name of the Patenter	Patent Number	Title of the patent	Year of Award of patent
1	Dr.Manmadha chary	201741023907	Implantable Device for Temporomandibular Joint and Method of Production Thereof	Indian: Published Issue 14/7/2017
2	Mr.P.Pavan kumar	201841009115 A	Multicore System For Reprocessing Of Tasks	Published Issue 16/3/2018
3	Dr.A. ChandraSekhar	201841036063 A	A Device For Detecting Synthetic Food Ingredients	Published Issue 05/10/2018
4	Dr.Sachi Nandan Mohanty	201941032093	Method of Management of Computing workload in the networked hosts using artificial neural network	Published Issue 16/8//2019
5	Dr.Sachi Nandan Mohanty	201941023480	Intelligent PSO-FUZZY Logic based DC Motor control system and method thereof Communication	Published Issue 2/8/2019
6	Dr.Sachi Nandan Mohanty	201941024901	Artificial Intelligence based system and method to diagnose Parkinson's Disease	Published Issue 28/6/2019
7	Dr. Sandeep Kumar Panda DR. G Sudhaamsh mohan reddy	201911034937	Method for management of scholarship of large number of students based on Blockchain	Published Issue 6/9/2019
8	1 . K VaraPrasada Rao 2. Sathya AR 3 . Dr. Sandeep Kumar Panda 4 . Dr. S. Vairachilai 5 . Dr. G Sudhaamsh Mohan Reddy	201941038159	Blockchain based healthcare management method	Published Issue 27/9/2019
9	Dr. Sandeep Kumar Panda	201931032115	Health monitoring system	Published Issue 13/9/2019
10	Dr. Sandeep Kumar Panda	201911023848	Method of fuzzy inference model control	Published Issue 5/7/2019

			for an injection molding machine	
11	Dr. Sandeep Kumar Panda	210941046017	Agriculture monitoring system based on wireless sensor network	Published Issue 17/1/2020
12	Shubhangi Vijay Urkude, Dr. Sandeep Kumar Panda	201941053080	High performance computation system and method	Published Issue 27/12/2019
13	Mr. P.Pavan Kumar	201941014136 A	“Method For Detecting Anti Patterns in Web Services and Business Processes”	Published Issue 26/04/2019
14	Sirisha Potluri	201941044511	Method of load distribution balancing for fog cloud computing in iot environment	Published Issue 29/11/2019
15	K.Kishore Kumar	201941016569	An Integrated 555 Timer IC Kit	Published Issue 13/9/2019
16	Dr. Grandhi Suresh kumar	201941052527 A	Design and Fabrication of Android based hydraulic jack	Published Issue 3/01/2020
17	Dr.S.Vairachilai DR. G Sudhaamsh mohan reddy	201941032820 A	Fuzzy logic based system of intelligent electric solar dyer for fruits	Published Issue 23/8/2019
18	Dr. S. Vairachilai Shubhangi Vijay Urkude	201941042929	Method for data transmission	Published Issue 25/10/2019
19	Dr.Sachi Nandan Mohanty	201941053267	Computer Implimented Method For Fingerprint Recognition Using Filtering Techniques	Published Issue 27/12/2019
20	Ms. Movva Pavani1	201941054851 A	Smart Wearable Reminder Device	Published Issue 3/1/2020
21	Mrs.Harika Devi	202041020290 A	Effective Management Analysis of Signal Coverage and Novel Design of Triangular Patch Antenna for Quasi Elliptic Band Pass Response	Published Issue 29/05/2020
22	Dr.A. ChandraSekhar	202041020271 A	GUI based eye tracking for disabled people using viola-jones algorithm and Hough transform	Published Issue 29/05/2020

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23	Dr.Anjanna Matta Dr.G.Sucharitha D.V.Raghunatha Reddy	202041005255	Real-Time Monitoring System For Compressed Gas Artificial Lift & Method Thereof	Published Issue 14/2/2020
24	Dr. Sandeep Kumar Panda Sathya A R	202041003745	Fraud Resistant Crowd funding System Using Ethereum Blockchain	Published Issue 7/2/2020
25	1. Dr. Sandeep Kumar Panda K 2. VaraPrasada Rao 3. Sathya AR	201941023811	Permissioned Blockchain Networks using Hyperledger Fabrics	Published Issue 7/2/2020
26	Dr. Sandeep Kumar Panda	202041018617 A	Health Record Tracking in Cloud Environment using Block Chain Technology	Published Issue 5/6/2020
27	1. Dr. Sandeep Kumar Panda K 2. VaraPrasada Rao 3. Shubhangi Vijay Urkude	202041018673 A	Copyright Protection system based on using Blockchain Technology	Published Issue 5/6/2020
28	1. Dr. Sandeep Kumar Panda K 2. VaraPrasada Rao	202041018639 A	Medical supply chain to track counterfeit drugs using Block chain Technology	Published Issue 5/6/2020
29	1. Dr. Sandeep Kumar Panda K 2. VaraPrasada Rao	202041018622 A	System and Method for land registry using Block chain Technology	Published Issue 5/6/2020
30	1. Dr. Sandeep Kumar Panda K 2. VaraPrasada Rao	202041018768 A	Secure Event Ticket booking using Blockchain Technology	Published Issue 5/6/2020
31	Dr. Sandeep Kumar Panda T. Krishnan Dr. S. Vairachilai	202041018785 A	Model Based Human Faces generation using generative adversarial networks	Published Issue 5/6/2020
32	Dr. Grandhi Suresh kumar	202041017417 A	Design for solar panel cleaning system using spa concept	Published Issue 5/6/2020
33	Dr.A. ChandraSekhar	File Number: 202041024955 Filed Date: 14/06/2020	Mind-controlled drone: using brainwaves and deep learning to control drone through thoughts	Published Issue 26.06.2020
34	Dr.A. ChandraSekhar Mrs.Harika Devi	202041026841 A	Emergency Notification Systems For Use With Footwear For User's Safety	Published Issue 10/7/2020
35	Dr.A. ChandraSekhar Dr.Pavan Kumar	202041026317	Sonification for database administrators (SoniDBA)	Published Issue 3/7/2020

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36	Dr. Anjanna Matta	202011001334	Method of free space optical communication with minimising fog related atmospheric interferences	Published Issue 17/1/2020
37	Dr. Banoth seetharamulu	201941026448	Precision agriculture for paddy crop productivity	Published Issue 12/07/2019
38	Dr. B. Deevena raju	202041034520 A	Encryption based security solution for data communication of IOT devices	Published Issue 04/09/2020
39	Mrs. Harika Devi	202041038731	Virtual vision system for visually impaired people and Method thereof	Published Issue 02-10-2020
40	Dr. Sandeep Kumar Panda Sathya AR	202041044397	Defence Ammunition tracking system using Blockchain technology	Published Issue 23-10-2020
41	Dr. M L Pavan Kishore	202041042280	Computer Implemented System and method to perform structural Optimization of Propeller Blade	Published Issue 09-10-2020
42	Dr. H. Sudheer	202041032052	An intelligent mobile alert system for reservoir water level and flow indication Integrated with GPS for farmers	Published Issue 34/2020, August 2020.
43	Dr. H. Sudheer	202041041120	An Automated and integrated mobile app for handling road accident and emergency situation smartly	Published Issue 09/10/2020
44	Movva Pavani K. Kishore Kumar	202041042417 A	An IoT Based Health Monitoring System	Published Issue 09/10/20
45	Dr. Sandeep Kumar Panda	202041044609 A	Optimization of car buying criterion using multi-class classification Model	Published Issue 30/10/2020
46	Dr. B. Deevena raju	202141006249 A	Fault detection using artificial intelligence in a telecommunication Network	Published Issue 19/02/2021

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47	Sathya A. R. Dr. Shubhangi V. Urkude Dr. Sandeep Kumar Panda	202031054680 A	Distributed ledger technology in the construction industry using CORDA	Publication Date : 05/02/2021
48	K. Bramha naidu	202041055178	A Generic Frame work for social feedback analysis for organizational growth	Published Issue 25/12/2020
49	1)B. Naresh Kumar Reddy 2)B. Seetharamulu 3)k. Bramha naidu 4)b. Deevena raju	202041030007 A	A scalable and energy efficient fault tolerant network-on-chip	Published Issue 31/07/2020
50	Dr. Sudheer Hanumanthakari	202121028826 A	IOT and cloud based viral detector device microca•: adapting corona Virus and other deadly pathogens	Published Issue 31/07/2021
51	Dr. Sudheer Hanumanthakari	202141026215 A	IOT and cloud based agricultural monitoring system	Published Issue 02/07/2021
52	Dr.Chandrashekhar A	202141038074	Secure and automated driving inspector powered by Arduino Raspberry PI using deep learning	Publication Date: 03/09/2021.
53	Dr. Shubhagata Roy	202141044306 A	Research on customer expectations, experience, and satisfaction with Services provided using the six sigma technique.	Publication Date : 15/10/2021