

List of Intellectual Property of OPJU

Sr. No.	Title of Patent	Name of OPJU Patentee	Department	File Number	Date of Filing	Date of Publication	Date fo Grant	Country of Patent Filing	Status
1	PROCESS FOR SYNTHESIS OF CE3+, EU2+ CO-DOPED BASIF6 PHOSPHOR	Dr. Girish Mishra	SoS	201921035528	04-09-2019	01-11-2019	04-11-2020	INDIA	Granted
2	STEAM GENERATION DEVICE FOR STEAM TURBINE	Dr. Satish Kanhed, Dr. Siddharth Chakrabarti	Mechanical	201921036338	10-09-2019	11-10-2019	05-03-2021	INDIA	Granted
3	A SYNTHESIS PROCESS OF DOWN-CONVERSION BA3NALA(PO4)3F PHOSPHOR FOR ENHANCEMENT IN SOLAR CELL EFFICIENCY	Dr. Prashant Bokare	Civil	2021106705	24/08/2021	09-12-2021	09-12-2021	AUSTRALIA	Granted
4	IOT BASED INTELLIGENT CIRCUIT DRIVEN AUTOMATIC HANDS FREE UMBRELLA	Dr. Ashok Bhansali, Dr. RD Patidar, Dr. Mahendra Shrivasa, Prof. Pradeep Chauhan	CSE/EE	202121050004	01-11-2021	14/01/2022		INDIA	Published
5	IOT AND MACHINE LEARNING BASED SMART POULTRY FARM FOR HEALTHY LAYER CHICKEN USING WSN ADVANCEMENTS	Dr. Ajit Kumar Singh	Mech	202221004571	27/01/2022	18/03/2022		INDIA	Published
6	IOT, MACHINE LEARNING BASED SURVEILLANCE DRONES TO ENSURE THE SAFETY AND CYBER SECURITY	Dr. Mukesh Desai, Dr. Mithilesh Sahu	Mech	202241006974	09-02-2022	04-03-2022		INDIA	Published

7	INTELLIGENT STREET LIGHT ON/OFF SYSTEM BASED ON THE OBJECT DETECTION	Dr. Rakesh Nayak (Non OPJU)	CSE	20/2022/101/198	03-03-2022	11-04-2022	19/05/2022	GERMANY	Granted
8	A ROBOTIC TECHNOLOGY TO STUDY THE POSITIVE TRAITS OF SILVER NANOPARTICLES ON BACTERIAL INFECTIONS	Dr. Deepak Patel	SoS	202241016038	23/03/2022	08-04-2022		INDIA	Published
9	A PROCESS FOR FABRICATING ALUMINUM, BORON CARBIDE-BASED ALUMINUM MATRIX COMPOSITES USING POWDER METALLURGY ROUTE	Prof. Neeraj Kumar	Meta	2021101683	01-04-2021	17/06/2021	17/06/2021	AUSTRALIA	Granted
10	A TIN SILVER-PLATING BATH USING METHANE SULFONATE FOR LOW ALPHA SOLDER BUMPING	Prof. Neeraj Kumar	Meta	2021104459	23/07/2021	11-11-2021	11-11-2021	AUSTRALIA	Granted
11	DESIGNING A NANOSTRUCTURED PHOTOVOLTAICS ON SOLAR PANELS TO INCREASE THE EFFICIENCY OF SOLAR ENERGY UTILIZATION	Dr. KN Singh	SoS	202241039620	11-07-2022	22/07/2022		INDIA	Published
12	A MACHINE LEARNING BASED APPROACH TO PLOT GRAPHS BASED ON STATISTICAL DATA ANALYSIS OF PATIENTS SUFFERING FROM	Dr. KN Singh	SoS	202241018864	11-07-2022	22/07/2022		INDIA	Published

	CANCER DUE TO SMOCKING								
13	A DEVICE FOR AGGLOMERATION OF FINES	Dr. Satish Kanhed, Dr. Trinath Talapaneni, Dr. Siddharth Chakrabarti	Mech/Meta	2021/10662	20/12/2021	24/05/2022	29/06/2022	SOUTH AFRICA	Granted
14	A NOVEL INCLUSIVE EDUCATIONAL MODEL FOR CHILDREN WITH GREATER DISABILITIES	Dr. Saurabh Gupta	SoM	202221031673	02-06-2022	17/06/2022		INDIA	Published
15	A SYSTEM FOR MANUFACTURING TRANSPARENT CONDUCTIVE FILM	Prof. Neeraj Kumar	Meta	DE20/2021/105/684/U1	18/10/2021	02-12-2021		GERMANY	Published
16	EFFECT OF B-SITE DISORDER ON THE FERRO ELECTRIC PROPERTIES OF BZT CERAMICS	Dr. KN Singh, Dr. Deepak Patel	SoS	202221022529	16/04/2022	19/08/2022		INDIA	Published
17	DEVICE FOR EFFECTIVE GENERATION AND UTILIZATION OF STEAM FOR STEAM TURBINE	Dr. Satish Kanhed, Dr. Siddharth Chakrabarti	Mech	201921049004	29/11/2019	11-09-2020		INDIA	Published
18	WELDING WITH THE HELP OF MICROWAVE APPLICATION	Dr. Hemlata Nayak, Dr. Satish Kanhed, Dr. Siddharth Chakrabarti	Mech	201921049003	29/11/2019	04-12-2020	13/03/2024	INDIA	Granted
19	USE OF SOLAR ENERGY IN SINTERING AND HENCE WELDING OF METAL / CERAMIC POWDERS	Dr. Satish Kanhed, Dr. Siddharth Chakrabarti	Mech	201921049005	29/11/2019	04-12-2020		INDIA	Published

20	MICROWAVE ASSISTED STEEL MAKER AND CONVERTER (MASMAC)	Dr. Satish Kanhed, Dr. Siddharth Chakrabarti, Dr. Trinath Talapaneni	Mech/Meta	202021047105	28/10/2020	29/04/2022		INDIA	Published
21	METHOD AND PROCESS QUICK ELECTRIC VEHICLE CHARGING	Dr. Satish Kanhed	Mech	202221002497	16/01/2022	11-02-2022		INDIA	Published
22	DESIGN DEVELOP AND MANAGEMENT OF SOLAR CONCENTRATOR STUDED WITH OPTICAL FIBER FOR DAYLIGHTING	Dr. Satish Kanhed	Mech	202221008802	19/02/2022	11-03-2022		INDIA	Published
23	WAVE MOTION ON THE SURFACE OF THE HUMAN TYMPANIC MEMBRANE AND MODELING ANALYSIS	Dr. Satish Kanhed	Mech	202221021774	12-04-2022	06-05-2022		INDIA	Published
24	MULTI-FOCAL CONCURRENT SOLAR HEATING SYSTEM	Dr. Satish Kanhed, Dr. M. Kalyan Phani, Dr. Siddharth Chakrabarti, Dr. Ashok Srivastava	Mech	202121056205	16/06/2021	06-01-2023		INDIA	Published
25	A NOVEL ACOUSTIC FLUIDIZED BED DEVICE FOR HEAT TRANSFER APPLICATION	Mr. Gabhane Mohit, PhD Scholar, OPJU	Mech	2021107426	25/08/2021	23/12/2021	23/12/2021	AUSTRALIA	Granted
26	DEVELOPMENT OF BIG DATA ANALYTICS FOR INTELLIGENT INDUSTRIAL MANUFACTURING BASED ON WIRELESS AND IOT TECHNOLOGY	Mr. Prateek Dighe, PhD Scholar, OPJU	Mech	202141041225	14/09/2021	29/10/2021		INDIA	Published

27	METHOD OF REDUCING RESISTANCE OF TRANSPARENT CONDUCTING THIN FILMS USING NOVEL CHEMICAL REDUCTION	Prof. Neeraj Kumar	Meta	2022/03893	06-04-2022	25/04/2022	25/05/2022	SOUTH AFRICA	Granted
28	A NOVEL INCLUSIVE EDUCATIONAL MODEL FOR CHILDREN WITH GREATER DISABILITIES	Dr. Saurabh Gupta	SoM	202221031673	02-06-2022	17/06/2022		INDIA	Published
29	IOT BASED FACE MASK AND BODY TEMPERATURE SENSING DEVICE	Dr. Rakesh Nayak, Dr. Bhupesh Kumar Dewangan	CSE	371116-001	20/09/2022	30/12/2022 (Intustrial Design)	15/03/2023	INDIA	Published
30	A METHOD OF PREPARATION OF SILVER DENDRITES USING GRAPHENE ELECTRODES	Dr. Ram Sevak Singh	SoS	202221039611	11-07-2022	30/09/2022		INDIA	Published
31	A NOVEL SUSTAINABLE CULTIVATION METHOD FOR AYURVEDIC HERB LEMONGRASS	Dr. Dipti Shukla	SoS	2022/07836	14/07/2022	16/09/2022	28/09/2022	SOUTH AFRICA	Granted
32	IOT BASED AUTOMATIC DETECTION AND PREVENTION OF ALL TYPES OF LEAF DISEASE AND OTHER ENVIRONMENTAL FACTORS USING AI CAMERA, WSN AND MACHINE LEARNING ALGORITHMS	Dr. Gulshan Soni	CSE	202241070928	08-12-2022	16/12/2022		INDIA	Published

33	AI AND MACHINE LEARNING-BASED SMART TRACTORS, AGRIBOTS AND ROBOTICS FOR REMOTE AGRICULTURAL OPERATIONS	Prof. Pushpanjali Shadangi	EE	202241067469	23/11/2022	23/12/2022		INDIA	Published
34	NEURAL NETWORKS SYSTEM FOR TRACKING AND CONTROLLING ROBOTS	Dr. Soumya Singh	SoS	202211070739	07-12-2022	30/12/2022		INDIA	Published
35	SMART TRAFFIC MANAGEMENT SYSTEM USING ARTIFICIAL INTELLIGENCE, INTERNET OF THINGS (IOT) AND EMBEDDED WITH TECHNIQUES OF VIDEO PROCESSING	Dr. Deepak Singh	EE	202311000305	01-01-2023	20/01/2023		INDIA	Published
36	ARTIFICIAL INTELLIGENCE BASED DRONE CONTROLLED DETECTION OF PLANT DISEASE	Dr. Amit Jain	CSE	1199299	16/01/2023 (Copyright)			Canada	
37	SYSTEMATIC STUDY TO ANALYZE THE IMPACT OF DISCRETE MATHEMATICS AND PROBABILITY IN THE THEORY OF MACHINE LEARNING	Mr. Manas Ranjan Mishra	SoS	202341003382	17/01/2023	27/01/2023		INDIA	Published
38	TOPIC MODELS SYSTEM USING NEURAL NETWORKS	Dr. Gulshan Soni	CSE	202311003249	16/01/2023	20/01/2023		INDIA	Published

39	BUILDING COOPERATIVE CONSTRUCTION SYSTEM BASED ON ARTIFICIAL INTELLIGENCE TECHNOLOGY IN BUILDING CONSTRUCTION MANAGEMENT SYSTEM MODELLING	Dr. Anurag Sharma	Civil	202331004058	20/01/2023	03-02-2023		INDIA	Published
40	A RAIL COOLING DEVICE FOR HEAT TREATMENT OF RAILS	Dr. Siddharth Chakrabarti, Dr. Satish Kanhed, Dr. Kalyan Phani, Dr. RD Patidar	Mech/Meta	20 2022 107 235	24/12/2022	23/01/2023	23/01/2023	Germany	Granted
41	TECHNIQUES OF GREEN FABRICATION OF STABLE LEAD FREE BISMUTH BASED PEROVSKITE SOLAR CELLS USING A NON TOXIC SOLVENT	Dr K N Singh, Dr Girish C Mishra	SoS	202341003877	19/01/2023	17/02/2023		INDIA	Published
42	EXTRACTION PROCESS OF BORASSUS BLABELLIFER L. LEAF FINE FIBER	Prof Jitesh Singh, Dr. Satish Kanhed	Mech	2023/02070	20/02/2023	20/02/2023	31/05/2023	South Africa	Granted
43	ELECTRIC VEHICLE HEAD LIGHT CONSOLE	Dr R D Patidar, Mr Rakesh Patidar, Mr. Kapol Nashine	EE	379282-001	14/02/2023	(Intustrial Design) In Process		INDIA	Published
44	USE OF SMART NANOPARTICLES IN TREATMENT OF BREAST CANCER	Dr. Anal Kant Jha	SoS	202341007276	5-2-2023	24/02/2023		INDIA	Published

45	A SYSTEM FOR INTRODUCING CONTROLLED THREAD POROSITY BY IMPLEMENTING A SOLDER WIRE IN A HYDROXYAPATITE SPECIMEN	Dr. Siddharth Chakrabarti, Dr. Satish Kanhed, Dr. Kalyan Phani, Dr. RD Patidar	Mech/Meta	20 2023 100 029	4-1-2023	2-2-2023	10-2-2023	Germany	Granted
46	DOOR HANDLE WITH STRESS DETECTION MECHANISM (DESIGN PATENT)	Dr. Gulshan Soni	CSE	376197-001	26/12/2022	(Intustrial Design) In Process		INDIA	Published
47	SOLAR POWER CHARGER	Dr. G.Madhusudhana Rao, Dr.R.D Patidar, Dr. Sushree Diptimayee Swain, Dr. Prasanta Kumar Jena	EE	379249-001	13/02/2023	(Intustrial Design) In Process		INDIA	Published
48	EFFICIENT DEEP IMAGE COMPRESSION SYSTEM WITH AUTO-ENCODERS FOR DIFFERENT SUB-BAND FREQUENCIES	Dr. Rakesh Patidar	EE	202241065491	15/11/2022	25/11/2022		INDIA	Published
49	A METHOD FOR MAKING CUSTOMER PURCHASE DECISION	Dr. Jaya Prakash Rath and Dr. Saurabh Gupta	SoM	202321007442	06-02-2023	31/03/2023			Published
50	A SCIENTIFIC IMAGE PROCESSING AND MACHINE LEARNING BASED METHODOLOGY FOR A PARTICULAR FOCUS ON SINGLE PARTICLE RECONSTRUCTION FROM TRANSMISSION ELECTRON	Dr. Amit Jain	CSE	1199160	12/01/2023 (Copyright)			Canada	

	MICROSCOPY (TEM) IMAGES								
51	QUALITY OF SERVICES (QOS) IMPROVEMENT SYSTEM IN SOFTWARE DEFINED IOT USING DEEP OPTIMAL ROUTE NEURAL NETWORK	Prof. Shashikant Kaushaley	EE	202241064833	12-11-2022	18/11/2022		INDIA	Published
52	AN IOT BASED WIND ENERGY GENERATION SYSTEM AND METHOD THEREOF	Prof. Shashikant Kaushaley	EE	202241070477	06-12-2022	09-12-2022		INDIA	Published
53	A SYSTEM FOR PROVIDING CYBER SECURITY BY IMPROVED PREDICTIVE POTENTIAL OF MACHINE LEARNING AND METHOD THEREOF	Prof. Shashikant Kaushaley	EE	202341001491	07-01-2023	13/01/2023		INDIA	Published
54	MACHINE LEARNING BASED APPROACH TO STUDY THE INFLUENCE OF EARTHQUAKE PARAMETERS ON THE BIDIRECTIONAL BEHAVIOUR OF BASE ISOLATION SYSTEMS	Dr. Swapnasarit Kar	Civil	202211072025	13/12/2022	06-01-2023		INDIA	Published

55	IMPLEMENTATION OF ARTIFICIAL INTELLIGENCE AND BLOCKCHAIN INTEGRATED BILLING ARCHITECTURE FOR CHARGING OF ELECTRIC VEHICLES	Dr. Amit Jain	CSE	202341006024	30/01/2023	24/02/2023		INDIA	Published
56	THE ROLE OF BLOCKCHAIN APPLICATIONS IN SUPPLY CHAIN MANAGEMENT	Dr. Saket Jeswani	SoM	202321008875	10-02-2023	24/02/2023		INDIA	Published
57	MOUSE WITH STRESS DETECTION	Dr. Rakesh Nayak	CSE	380667-001	02-03-2023	(Industrial Design) In Process		INDIA	Published
58	SMART HOME ENERGY MANAGEMENT SYSTEM CONTROL THROUGH DEEP REINFORCEMENT LEARNING	Dr. Himanshu Vaishnav	SoM	202341013222	27/02/2023	17/03/2023		INDIA	Published
59	AN ARTIFICIAL INTELLIGENCE ALGORITHMIC APPROACH TO ETHICAL DECISION-MAKING IN HUMAN RESOURCE MANAGEMENT PROCESSES	Dr. Arti Vaish	CSE	202311014382	03-03-2023	17/03/2023		INDIA	Published
60	APPLICATION OF LINEAR ALGEBRA AND PARTIAL DERIVATIVES TO MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE	Dr. Manas R. Mishra	SoS	202341015521	08-03-2023	17/03/2023		INDIA	Published

61	MACHINE LEARNING BASED APPROACH TO STUDY THE LEAD-FREE BISMUTH BASED PEROVSKITE MATERIALS FOR SOLAR CELL APPLICATIONS	Dr. Ankur Rastogi	SoS	202311016895	14/03/2023	17/03/2023		INDIA	Published
62	A NOVEL IOT BASED ELECTRICAL INDUCED ABORTION SUCTION MACHINE	Dr. Arti Vaish	CSE	202311017171	14/03/2023	24/03/2023		INDIA	Published
63	WATER TANK COOLING REFRIGERATION UNIT	Dr. Mukesh Desai	Mech	381503-001					Filed
64	AN IOT BASED WIND ENERGY GENERATION SYSTEM AND METHOD THEREOF	Mr.Prasanta Kumar Jena	EE	202241070477	06-12-2022	09-12-2022		INDIA	Published
65	A SECURE SYSTEM TO PROTECT DIGITAL DATA USING SIGNIFICANT BIT SUBSTITUTION	Mr.Prasanta Kumar Jena	EE	202241063781	09-11-2022	18/11/2022		INDIA	Published
66	UNDERWATER SMART DRONE	Prof. Umashankar Pandey	CSE	381482-001	14/03/2023	(Intustrial Design) In Process		INDIA	Filed
67	SOLAR WATER DISTILLATION SYSTEM	Dr. Siddharth Chakravarti	Mech	380834-001	06-03-2023	07-06-2023	Industrial Design	INDIA	Published
68	ELECTRIC VEHICLE HEAD LIGHT CONSOLE	Dr RD Patidar, Dr G MadhusudhanaRao, Dr Sushree Diptimayee, Mr Prashanta Kumar Jena, Shashikanth Kaushale, Mr. Rakesh Patidar, Mr Kapol Nashine	EE	379282-001	14/02/2023	16/05/2023	Industrial Design	INDIA	Published

69	SOLAR POWER CHARGER	Dr RD Patidar, Dr G MadhusudhanaRao, Dr Sushree Diptimayee, Mr Prashanta Kumar Jena, Dr. Shashikanth Kaushaley, Mr. Rakesh Patidar, Mr Kapol Nashine	EE	379249-001	13/02/2024	10-05-2024	Industrial Design	INDIA	Published
70	VIBRATIONAL ALLOY MIXING AND CASTING MACHINE	Dr. Vatsala Chaturvedi, Dr Deepak Patel	Metallurgy	387094-001	25/05/2023	26/01/2024	Industrial Design	INDIA	Published
71	MOUSE WITH STRESS DETECTION	Dr. Rakesh Nayak	CSE	384231-001	18/04/2023	07-07-2023	Industrial Design	INDIA	Published
72	WATER TANK WITH REFRIGERATION UNIT	Dr. Mukesh Shyamkant Desai	Mechanical	368188-001	14/05/2023	14/07/2023	Industrial Design	INDIA	Published
73	SOLAR MOBILE CHARGER STAND	Dr. Amit Jain	CSE	380272-001	27/02/2023	28/07/2023	Industrial Design	INDIA	Published
74	RAILWAY STATION ENERGY MANAGING DEVICE	Dr. Mukesh Shamkant Desai	Mechanical	363716-001	26/08/2023	05-05-2022	Industrial Design	INDIA	Published
75	ELECTROCHEMICAL CELL FOR CORROSION TESTING	Prof. Neeraj Verma	Metallurgy	60303713	15/08/2023		24/08/2023	UK	Granted
76	METHOD AND SYSTEM FOR REAL-TIME IMAGE RECOGNITION AND CLASSIFICATION USING DEEP LEARNING AND ARTIFICIAL INTELLIGENCE	Prof. Shashikant Kaushaley	EE	202341029522	24/04/2023	05-05-2023		India	Published

77	AN ANALYTICAL STRATEGY FOR ENHANCING THE WORK ENVIRONMENT THROUGH THE USE OF APPLICATION PROGRAMMING INTERFACES AND HUMAN RESOURCE MANAGEMENT SYSTEMS	Dr. Sanjay Singh	SoS	202321028563		02-06-2023		India	Published
78	EDUCATIONAL ACTIVITIES AMONG STUDENTS: A PEDAGOGICAL MODEL FOR ADAPTIVE QUALITY MANAGEMENT	Dr. Sanjay Singh	SoS	202321026672		12-05-2023		India	Published
79	WOMEN ENTREPRENEURS' ROLES IN INDIA GROWTH OF THE ECONOMY	Dr. Sanjay Singh	SoS	202321014214		17/03/2023		India	Published
80	HUMAN RESOURCE INFORMATION SYSTEM TRAINING FOR MANAGERS AND BUSINESS OWNERS: A PEDAGOGICAL FRAMEWORK	Dr. Sanjay Singh	SoS	202321008835		10-02-2023		India	Published
81	A NEW WAY TO PREDICT THE POSITIVE AND NEGATIVE EMOTIONAL EXPERIENCES OF ENGLISH LANGUAGE STUDENTS AND THEIR TEACHERS, AS WELL AS THEIR LEVELS OF SELF-ADEQUACY	Dr. Sanjay Singh	SoS	202241075683		13/01/2023		India	Published

82	MACHINE LEARNING BASED TECHNIQUE FOR RETRIEVAL OF SPECIALISED VOCABULARY LIST FROM AN ORIGINAL CORPUS OF DIGITAL SCIENCE RESOURCES FOR MIDDLE SCHOOL LEARNERS	Dr. Sanjay Singh	SoS	202241074548		06-01-2023		India	Published
83	VOICE ASSISTANT DEVICE WITH ARTIFICIAL INTELLIGENCE TO ASSIST VISUALLY IMPAIRED PERSON	Dr. Amit Jain	CSE	6275489	14/04/2023	05-05-2023		UK	Published
84	A STUDY ON ABILITY ENHANCEMENT AND PERSONALITY PREDICTION OF EMPLOYEES OF AN ORGANISATION USING MACHINE LEARNING ALGORITHMS	Dr. Bhupendra Tripathi, Dr. Vikash Kumar	SoM	202341026792	01-04-2023	05-05-2023		India	Published
85	SOLAR POWERED IOT BASED DRY WASTE COLLECTOR	Dr. Amit Jain	CSE	395798-001	23/09/2023	17/11/2023	Industrial Design	India	Published
86	ENERGY MANAGING DEVICE	Dr. Mukesh Shamkant Desai	Mechanical	393716-001	26/08/2023	01-12-2023	Industrial Design	India	Published
87	ARTIFICIAL INTELLIGENCE BASED APPARATUS FOR HOME AUTOMATION MANAGEMENT	Dr. Amit Jian	CSE	378542-001	03-02-2023	16/02/2024	Industrial Design	India	Published

88	SMART WEATHER SUPPORTING HYDRAULIC MATTRESS	Dr. R.D. Patidar, Dr. S.S. Chakrabarti, Dr. Deepayan Priyadarshi, Mr. Bhakta Kumar Sethi and Dr. Satish Kanhed	Mech, EE, Civil	202421011347	19/02/2024	22/03/2024		India	Published
89	3D PRINTING MACHINE	Dr. Sanjeev Das, Dr. Prasenjit Biswas, Dr. Archana Mallik	Meta	387594-001	04-06-2023	29/03/2024	Industrial Design	India	Published
90	LOW-DEGREE ELECTROMAGNETIC TWIN ROLL CASTING MACHINE	Sanjeev Das, Archana Mallik, Arjun Kundu, Prasenjit Biswas, Jagadish Nayak	Meta	387595-001	04-06-2023	29/03/2024	Industrial Design	India	Published
91	SOLAR WATER DISTILLATION SYSTEM	Dr. Siddharth S. Chakrabarti, Mr. Pratik V. Dhage	Mechanical	380834-001	06-03-2023	07-06-2023	Industrial Design	India	Published
92	DESIGN OF ROBOTIC ARM	Mr. Raj Kumar, Dr. Saroj Kumar	Mechanical	406765-001	06-02-2024	12-04-2024	Industrial Design	India	Published
93	360-DEGREE DUMPING TROLLEY	Dr. Biranchi Prasad Panda, Dr. Mukesh Shamkant Desai		415258-001	29/04/2024		Industrial Design	India	In Process