

K. S. INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
PATENT DETAILS

SL. NO	FACULTY NAME	PATENT NUMBER	TITEL OF INVENTION	DATE	PUBLISHED DATE	National/ International	Link
1	Dr. R Senkamalavalli	202341073245 A	AUTOMATED TECHNOLOGY TO ENSURE THE CLEANLIENESS OF GARBAGE MANAGEMENT AND CLASSIFICATION OF DRY AND W	27-10-2023	01-12-2024	National	https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
2	Dr. R Senkamalavalli	202341073234 A	FPGA BASED SMART ASSIST VIRTUAL DOCTORS IN MEDIC APPS WITH BASIC MEDICAL INFORMATION ABOUT&NBSP;THE&NBSP;PAT	27-10-2023	01-12-2024	National	https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
3	Dr. R Senkamalavalli	202341073231 A	A SMART PORTABLE SAFETY GAS MONITORING SYSTEM FOR DRAINAGE BASED ON IOT	27-10-2023	01-12-2024	National	https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
4	Dr. H S Prasantha	202441000441A	AN INNOVATIVE TECHNIQUES OF MINERAL SURVEY AND EVALUATION USING HYPERSPECTRAL REMOTE SENSING	01-03-2024	02-02-2024	National	https://iprsearch.ipindia.gov.in/PublicSearch/PublicationSearch/Search
5		202341087784 A	AN APPROACH FOR SEGMENTING HYPERSPECTRAL IMAGES USING SUPERVISED CLASSIFIERS TECHNIQUES	21-12-2023	01-12-2024	National	https://iprsearch.ipindia.gov.in/PublicSearch/PublicationSearch/Search
6		202341087783 A	PERFORMANCE ANALYSIS OF SOFT COMPUTING APPROACHES FOR HYPERSPECTRAL IMAGE CLASSIFICATION	21-12-2023	01-12-2024	National	https://iprsearch.ipindia.gov.in/PublicSearch/PublicationSearch/Search
7	Dr. Sunita Chalageri	202341072105 A	ARTIFICIAL INTELLIGENCE BASED SMART LEVEL CROSSINGS SYSTEMS TO DETECT DANGEROUS SITUATIONS IN LEVEL CROSSING ENVIRONMENTS IN BOTH ROAD AND RAILWAY SAFETY USING VIDEO SURVEILLANCE SYSTEM AND DEEP LEARNING ALGORITHMMS	21-10-2023	15-12-2023	National	https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
8	Dr. Kusuma T						
9		202341075846A	DESIGN AND PERFORMANCE ANALYSIS OF NOVEL APPROACH FOR IMAGE COMPRESSION USING MODIFIED SINGULA VALUE DECOMPOSITION	11-07-2023	15-12-2023	National	https://iprsearch.ipindia.gov.in/PublicSearch/PublicationSearch/Search

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10	Dr. H S Prasantha	202341075847A	A NOVEL ANALYSIS APPROACH FOR IMAGE SCALING USING INTERPOLATION TECHNIQUES COMPARED WITH NEAREST NEIGHBOR AND BILINEAR INTERPOLATION METHODS	11-07-2023	15-12-2023	National	https://iprsearch.ipindia.gov.in/PublicSearch/PublicationSearch/Search
11	Mr. Krishna Gudi	`202341059028	SIGMAKGSOFT - A SIX SIGMA-INTEGRATED SOFTWARE DEVELOPMENT METHODOLOGY	09-03-2023	10-06-2023	National	https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
12		`202341059029	AN AI-ENHANCED REQUIREMENTS ENGINEERING SYSTEM	09-03-2023	10-06-2023	National	https://iprsearch.ipindia.gov.in/PublicSearch/PublicationSearch/PatentDetails
13		`202341059030	AI-Enhanced Software Development System	09-03-2023	10-06-2023	National	https://iprsearch.ipindia.gov.in/PublicSearch/PublicationSearch/PatentDetails
14	Dr. H S Prasantha	6302803	Agricultural Drone for Crop Health Monitoring	08-10-2023	21-08-2023	International UK Design Patent	https://www.registered-design.service.gov.uk/find/prasantha/ownersearch
15	Dr. Sunita Chalageri	202341015772 A	IOT BASED APPLE SWEETNESS MEASUREMENT AND FRUIT DISEASE PREDICTION USING IMAGE PROCESSING TECHNIQUES AND DEEP LEARNING BASED ON HUMAN-COMPUTER INTERACTION FOR INDUSTRY 4.0	03-09-2023	17-03-2023	National	
16	MR. KUSHAL KUMAR B N Mr. Harshavardhan J R	`202241032097	MACHINE LEARNING BASED APPROACH TO DETECT THE QUALITY OF STYRIPPED WATERMELON	06-04-2022	26-08-2023	National	https://iprsearch.ipindia.gov.in/PublicSearch/PublicationSearch/PatentDetails
17	Mr. Harshavardhan J R	`202211030059	IOT BASED LOW COST EFFECTIVE PUBLIC TRANSPORT CROWD MONITORING SYSTEM	25-05-2022	06-03-2022	National	https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus
18	Mrs. GEETHA R	`202221011723	TEXT SUMMARIZATION AND DIMENSIONALITY REDUCTION USING LEARNING APPROACH	03-04-2022		National	https://iprsearch.ipindia.gov.in/PublicSearch/PublicationSearch/PatentDetails
19	MR. KUSHAL KUMAR B N	`202141031585	LEARNING LONG TERM MODEL FOR PREDICTION OF AIR POLLUTION CAUSING POLLUTANTS FOR BENGALURU ENVIRONMENT	14-07-2021		National	https://iprsearch.ipindia.gov.in/PublicSearch/PublicationSearch/PatentDetails
20	DR. REKHA B VENKATAPUR	`202141016624	A PLANT FINDER FOR AYURVEDIC BOTANISTS-A BLENDING TECHNOLOGY ON INDIAS RICH AYURVEDIC LEGACY (ANDROID) AND IOS BASED)	`08-04-2021	23-04-2021	National	https://ipindia.gov.in/writereaddata/Portal/IPOJournal/1_4971_1/Part-1.pdf
21	DR. DEEPA S R	`202141010619	METHOD FOR PLANT DISEASE DETECTION USING MACHINE LEARNING AND METHODS THEREOF	`12-03-2021	31-03-2021	National	https://img1.wsimg.com/blobby/go/8c8b8c9b-c110-45e9-8d53-84982744bf2d/Patents-0006.pdf

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22	DR. REKHA B VENKATAPUR	2021100004	ROBO CARE TAKER	`1-1-2021	03-03-2021	International	https://pericles.ipaustralia.gov.au/ols/auspat/quickSearch.do?queryString=Robo+car
	DR. DEEPA S R						
	DR. VANEETA M						
23	MRS. SOUGANDHIKA NARAYAN	2020102827	IPCM- Movable Satellite: Intelligent Propagation Impairments for Movable Satellite Communication Links at The Microwave Frequencies in Location	17/10/2020	25-11-2020	International	https://patents.google.com/patent/AU2020102827A4/en
24	DR. REKHA B VENKATAPUR	`202041045225	INTERPERSONAL SKILLS SCORE CARD FOR STUDENTS USING ARTIFICIAL INTERLLIGENCE AND METHODS THEREOF	16-10-2020	13-11-2020	National	http://ipindia.gov.in/writereaddata/Portal/IPOJournal/1_4925_1/Part-1.pdf
	DR. SWATHI K						
	MR. KRISHNA GUDI						
25	DR. DEEPA S R	`202041032685	ERGONOMICALLY DESIGNED HELMET WITH NATURAL OXYGEN FOR PREVENTION FROM AIR BORNE DISEASES AND IOT FOR HEALTH MONITORING	30-07-2020	21-08-2020	National	http://ipindia.gov.in/writereaddata/Portal/IPOJournal/1_4899_1/Part-1.pdf
	DR. VANEETA M						
	MR. RAGHAVENDRACHAR S						
26	MR. VENKATA RAO K	202041027322 A	ICS- SYSTEM: INTELLIGENT CUSTOMER SERVICE SYSTEM USING ARTIFICIAL INTELLIGENCE PROGRAMMING	27-06-2020	`10-07-2020	National	http://ipindia.gov.in/writereaddata/Portal/IPOJournal/1_4885_1/Part-1.pdf