

The IPR portfolio of "Indian Institute of Information Technology Allahabad"

(Till August 2022)

IIIT-A innovators has so far filed (registered) **28 Patent** applications, and obtained **16 S/W (software) Copyrights**. Out of them, **9 Patents** have been **granted** by various patent offices. The details of *Filed / Published / Granted - IPRs* are described as follows:

(I) "PATENTS" Filed by IIIT-Allahabad

Sl. No.	Title of Filed / Published/ Granted PATENTS.	Patent's Application / Publication/ Patent – Number & Corresponding Dates	Awarding Country	Inventors / Authors	Current Status
1.	SYSTEM FOR EXECUTING A SEQUENTIAL PROGRAMME IN PARALLEL WITH AUTOMATIC FAULT TOLERANCE	884/DEL/2002 India Patent No: 247171	Indian	Miranda Trevor, Mohan Manindra	Certificate Granted (Active)
		US Patent No.10/650/141 DATE OF FILING 29/08/2002 PUBLICATION DATE (U/S 11A) 23/01/2009 POST GRANT JOURNAL DATE 01/04/2011	USA		Certificate Granted (Active)
2.	METHOD AND A DEVICE FOR DETECTING WATERMARK IN DIGITAL DATA	563/DEL/2002; Patent Number :231097 Date of filing: 16/05/2002; Date of publication: 20/05/2005	Indian	Jalan Abhinav, Chadha Retesh	Date Of Certificate Issue 30/03/2009
		US Patent No.10/650/141	USA		Certificate Granted (Active)
3.	AN ENCRYPTION AND DECRYPTION SYSTEM AND METHODS	1971/DEL/2005 Date of filing: 26/07/2005; Date of publication: 02/10/2009	Indian	Ashish Kumar Agrawal; Ajay Choudhari; R. C. Tripathi	Application Abandoned; (Because Objection raised from registry was not answered)
4.	A BLOCK BASED METHOD AND APPARATUS FOR OPTIMIZED TERRAIN RENDERING ALLOWING PAGING OF VERY LARGE DATA WITH MULTIPLE LEVELS OF DETAILS (LOD) AND TRIANGLE STRIP BASED ON INDEXING.	757/Del/2006;	Indian	Anupam Agrawal, Ashish Kumar Agarwal	Application Abandoned U/S 21(1)
5.	SOFT COMPUTING BASED MICROPROCESSOR CONTROLLED ADAPTIVE MODULAR ACTIVE LEG SYSTEM	0492/DEL/2007; Date of filing: 06/03/2007	Indian	Nandi Gora Chand, Tiwari Murli Dhar, Gupta Bhaskar, Khalil Jibrán	Application Abandoned U/S 21(1)
6.	CUSHY MOUSE KIT- ELECTRONOMIC MOUSE AND MOUSE PAD	2215/DEL/2007 Date of filing: 23/10/2007; Date of publication: 08/05/2009	Indian	Bhaskar Gupta; Ankit Tandon; Saurabh Pandey	Application Abandoned; (as objection was not answered)
7.	METHOD AND SYSTEM FOR AN ADAPTIVE AND AUTOMATIC BRIGHTNESS CONTROL MECHANISM	399/DEL/2007; Date of filing: 26/02/2007; Date of publication: 26/02/2007	Indian	Saurabh Pandey; Bhaskar Gupta; Ankit Tandon	Application Abandoned U/S 21(1)
8.	A METHOD AND A SOFTWARE IMPLEMENTED TOOL FOR DETECTING PLAGIARISM IN DOCUMENTS	779/DEL/2009 Date of filing: 15/10/2009; Date of publication: 20/04/2012	Indian	Saurabh Odhyán; Anand Mazumdar; Tarun Kumar; R. C. Tripathi; M. D. Tiwari	Application under examination
9.	IDENTIFICATION OF SPECIFIC CLASS OF QUASI-PERIODIC SIGNALS FROM THE PHASE-SPACE FRACTAL DIMENSION OF ITS DIFFERENT ORDER-FEATURES	2737/DEL/2010; Date of filing: 18/11/2010; Date of publication: 31/08/2016	Indian	Prof. T. Lahilri Upendra Kumar Arunava Das Roy Hrshikesh Mishra Subrata Sarkar M. D. Tiwari	Application Awaiting Examination
10.	A PERSONAL HUMAN COMPUTER INTERACTION SYSTEM BASED ON EYE GAZE TRACKING	1294/DEL/2012 PUBLICATION DATE (U/S 11A) : 13/11/2015	Indian	Santosh Kumar Barnwal; R. C. Tripathi; Murli Dhar Tiwari	Certificate Granted (Active)
11.	CAPILLARY ELECTROPHORESIS CHIP.	US Patent Publication number: US 8715558 B2 POST GRANT JOURNAL DATE : May 6, 2014	USA	Dr. Amit Prabhakar, Prof. Soumyo Mukherji	Certificate Granted (Active)
12.	POLYMER ANALYSIS CHIP.	US Patent Publication number: US 8441645 B2 POST GRANT JOURNAL DATE : May 14, 2013	USA	Dr. Amit Prabhakar, Prof. Soumyo Mukherji	Certificate Granted (Active)
13.	A METHOD AND SYSTEM FOR VELOCITY MEASUREMENT OF A FLUID IN A CHANNEL.	2891/MUM/2012 PUBLICATION DATE (U/S 11A) : 01/10/2012	Indian	Dr. Amit Prabhakar, Prof. Soumyo Mukherji, Sonali Tripathy	Application in Amended stage
14.	MICRO DEVICE FOR SEPARATING BLOOD PLASMA FROM WHOLE HUMAN BLOOD AND METHOD FOR MAKING THE SAME.	2344/MUM/2013 PUBLICATION DATE (U/S 11A) : 19/06/2015	Indian	Dr. Amit Prabhakar, Prof. Amit Agrawal, Y.V. Balavarun Kumar	Certificate Granted (Active)
15.	LAB-ON-CHIP OPTICAL BIOSENSOR BASED ON MULTIPLE FOCUSING OF INCIDENT BEAM.	Information not Available	Indian	Dr. Amit Prabhakar, Prof. Soumyo Mukherji, Sonali Tripathy	Application Not Yet Published
16.	A METHOD AND APPARATUS FOR SIMILARITY DETECTION FOR DOCUMENTS BASED ON CONTENTS INCLUDING TEXTS TABLES	160/DEL/2014 PUBLICATION DATE (U/S 11A) : 24/07/2015	Indian	Siddharth, R. C. Tripathi, Murli Dhar Tiwari.	Examination awaited

	FLOWCHARTS AND EQUATIONS				
17.	A COST EFFECTIVE AND DISPOSABLE MICROPUMP FOR LAB ON CHIP APPLICATIONS.	3411/MUM/2014 PUBLICATION DATE (U/S 11A) : 06/05/2016	Indian	Dr. Amit Prabhakar, Prof. Amit Agrawal, B.S. Bharat.	Certificate Granted (Active)
18.	A MICROFLUIDIC DEVICE WITH IMMOBILIZED NANO-PARTICLES AND COUPLED ULTRAVIOLET LIGHT SOURCE, FOR WATER DISINFECTION	Application Number: 201811028600; Date of Filing: 30/07/2018 PUBLICATION DATE (U/S 11A) : 22/03/2019	Indian	Dr. Amit Prabhakar, Mehul Agrawal, Neha Mishra, Dr. Deepti Verma, Dr. Vishnu Agrawal	Application Awaiting Examination
19.	A PORTABLE CORONA-DISCHARGE SYSTEM WITH CUSTOM MADE ELECTRODES, FOR PDMS HYDROPHILIC TREATMENT, AND BONDING FOR MICROFLUIDIC CHIP FABRICATION.	Application Number: 201811028599; Date of Filing: 30/07/2018 PUBLICATION DATE (U/S 11A) : 17/08/2018	Indian	Dr. Amit Prabhakar, Amar Dhawaj, Neha Mishra, Rohit Vishwakarma	Application Awaiting Examination
20.	APPARATUSES AND METHODS FOR SEPARATION OF SUSPENDED PARTICLES PRESENT IN LIQUID	Application Number: 201911019244; Date of Filing: 14-05-2019	Indian	Dr. Amit Prabhakar, Praveen Kumar, Neha Mishra, Ankur Jaiswar Dr. Deepti Verma,	Filed via:- Technology Information, Forecasting and Assessment Council (TIFAC), India
21.	COST EFFECTIVE MICRO IMPEDANCE PUMP FOR LAB ON CHIP APPLICATIONS.	Indian Patent Application Number: 201911039486. Filed on September 30, 2019	Indian	Dr. Amit Prabhakar, Amar Dhawaj	Filed via:- Technology Information, Forecasting and Assessment Council (TIFAC), India
22.	A SYSTEM FOR CREATING PRECISE MICROSTRUCTURES BASED ON VARIOUS POLYMERS USING MULTIPLE APPARATUS	Indian Patent Application Number: 202011042433 30/09/2020	Indian	Dr. Amit Prabhakar, Amar Dhawaj, Neha Mishra,	Filed
23.	A MICRO-SYSTEM WITH MICROHEATER INTEGRATED OPTICAL WAVEGUIDE FOR INVESTIGATING DIVERSE PHYSICAL AND CHEMICAL INTERACTIONS	Indian Patent Application Number: 202011042443 30/09/2020	Indian	Dr. Amit Prabhakar, Nimisha Roy, Vibhor Gupta, Neha Mishra,	Filed
24.	CNC MOUNTABLE Z-AXIS, FOR A VERSATILE 3D PRINTER MACHINE	Indian Patent Application Number: 328285-001 16/03/2020	Indian	Dr. Amit Prabhakar, Prashant Nayak, Amar Dhawaj, Ankur Jaiswar	Filed
25.	A CONJUGATE OF L-DOPA AS AN EFFICACIOUS THERAPEUTIC AGENT FOR PARKINSON'S DISEASE	Indian Patent Application Number: 202011042444. Filed on 30/09/2020	Indian	Prof (Mrs) Krishna Misra	Filed
26.	MICROFABRICATION OF METAL NANOPARTICLE COATED SHAPE-ENCODED MAGNETIC MICROPARTICLES FOR APPLICATION IN MULTIPLEXED BIOASSAYS AND CHEMICAL CATALYSIS	Application No.: 202211005459; PATENT FILED on 2/1/2022;	Indian	Dr. Amit Prabhakar, Amar Dhawaj, Ankur Jaiswar, Nimisha Roy, Dr. Deepti Verma	Filed
27.	FABRICATION OF FULLY MICRO-VASCULARIZED BIOPOLYMER MATRIX USING VARIOUS SACRIFICIAL MICROSTRUCTURES FOR TISSUE-ENGINEERING AND BIO-MICROFLUIDICS APPLICATIONS	Application No.: 202211005458; PATENT FILED on 2/1/2022;	Indian	Dr. Amit Prabhakar, Amar Dhawaj, Dr. Deepti Verma	Filed
28.	A DEVICE AND METHOD TO DESIGN A COST-EFFECTIVE ORGAN-ON-CHIP PROTOTYPE FOR DRUG TOXICITY TESTING IN LUNG AND LIVER TISSUES;	Australian Innovation Patent: 2021104949 PATENT FILED on 8/4/2021;	Australian Innovation Patent	Nimisha Roy, Jyoti Kashyap, Prof. Amit Prabhakar, Prof Rakesh Kumar Tyagi, Dr. Deepti Verma.	Certificate Granted (Active)
29.	POTATO PEEL BASED C-DOTS FOR THE DEVELOPMENT OF NANOBOTS TO DEGRADE INDUSTRIAL EFFLUENTS CONTAINING TOXIC DYES.	Application No.: 202011049379 Filed on: 20-11-2020 Published on: 26-03-2021	Indian	Dr. Amaresh Kumar Sahoo, Dr. Sintu Samanta, Saurabh Shivalakar, Arushi Verma, Dr. Pavan Kumer Gautam	Filed
30.	AN ARTIFICIAL INTELLIGENCE-BASED LEARNING ASSESSMENT SYSTEM FOR DETERMINING IMPROVEMENTS USING COLLECTED DATA FROM VARIOUS EQUIPMENT	Application No.: 202111034867 Filed on: 03-08-2021 Published on: 05-11-2021	Indian	SANTOSH KUMAR BARNWAL, Prof. Uma Shanker Tiwari	Filed
31.	AN ELECTRONIC NOSE DEVICE TO IDENTIFY THE RIPENING IN FRUITS BY SENSING VOLATILE ORGANIC COMPOUNDS.	Application No.: 202111034865 Filed on: 03-08-2021 Published on: 11-06-2021	Indian	PANKAJ TYAGI, Prof. Pritish Varadwaj, Prof. Uma Shanker Tiwari, Dr. Suneel Yadav	Filed
32.	A PESTICIDE SPRAYING FLYING DEVICE FOR OPTIMIZING THE QUANTITY SPRAYED AND MAKING IT TIME EFFICIENT.	Application No.: 202111018129 Filed on: 20-04-2021 Published on: 11-06-2021	Indian	Paavan Kumar, Shefali Vinod Ramteke, Prof. Pritish Varadwaj, Dr. Suneel Yadav	Filed
33.	DESIGN AND WORKING OF A HIGH-STABLE AND LOW POWER SRAM CACHE MEMORY.	Application No.: 202211009238 Filed on: Year 2022 Published on:	Indian	under process	Filed
34.	SOCIAL NETWORKING MOOD RECOGNITION ALGORITHM FOR CONFLICT DETECTION AND MANAGEMENT OF EDUCATIONAL INSTITUTIONS	Australian Innovation Patent: Application No.: 2021106074 Filed on: 19-08-2021 granted on: 10-11-2021	Australian Innovation Patent	Sarthak Sengupta, Dr. Anurika Vaish	Certificate Granted (Active)