



# **INTELLECTUAL PROPERTY CELL**

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## **ANNUAL REPORT ON INTELLECTUAL PROPERTY RIGHTS**

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**2024**

## **BRIEF OVERVIEW OF IPR**

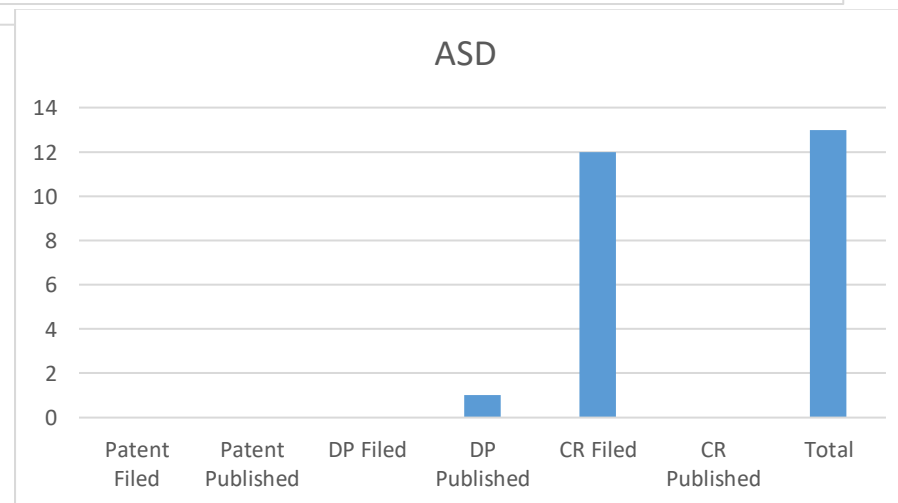
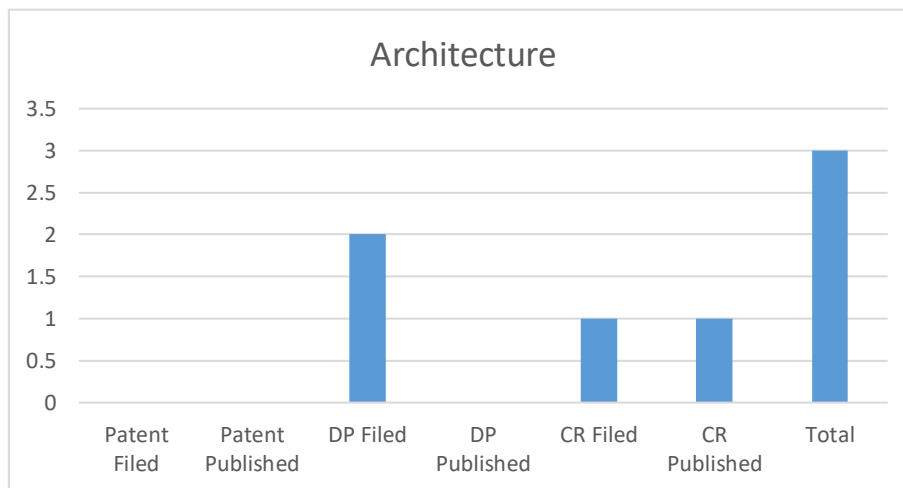
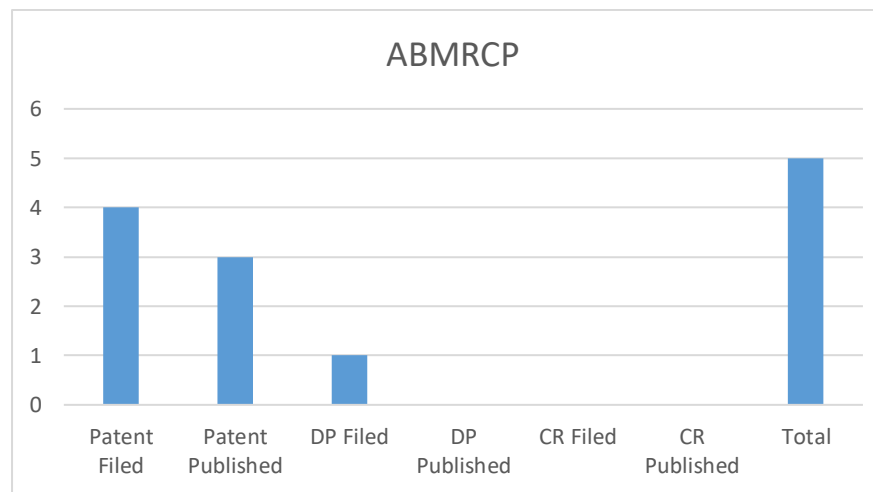
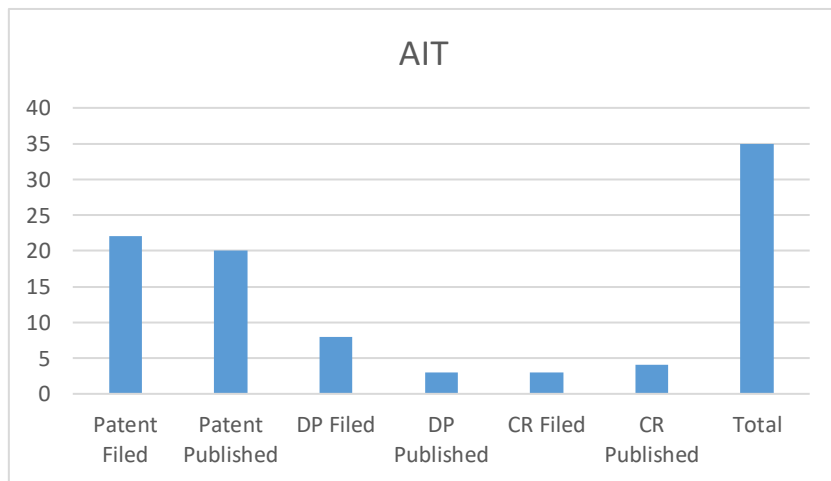
SL NO	ACTIVITIES	NUMBERS
1	FDP	1
2	WORKSHOP for 2 days	1
3	SEMINAR	8
4	PATENTS	28
5	DESIGN PATENTS	12
6	COPRIGHTS	34

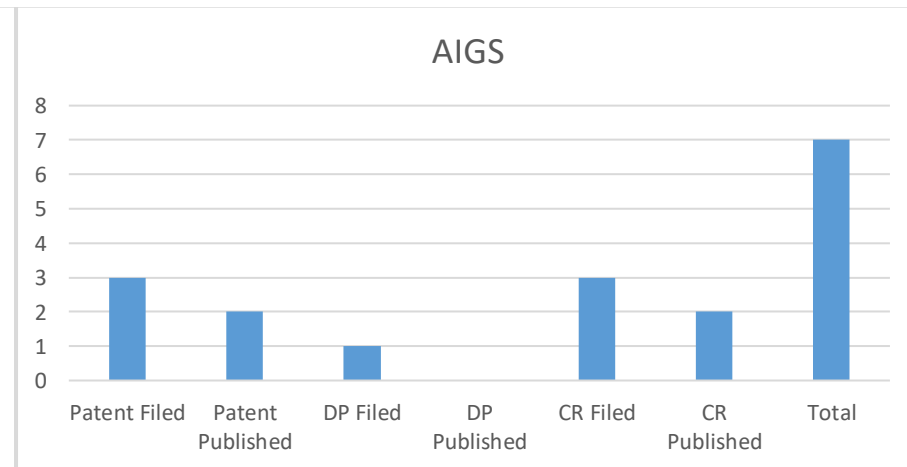
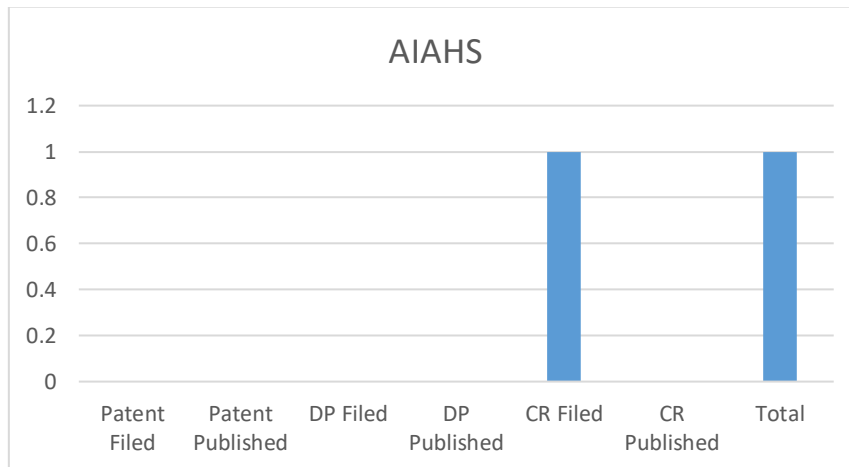
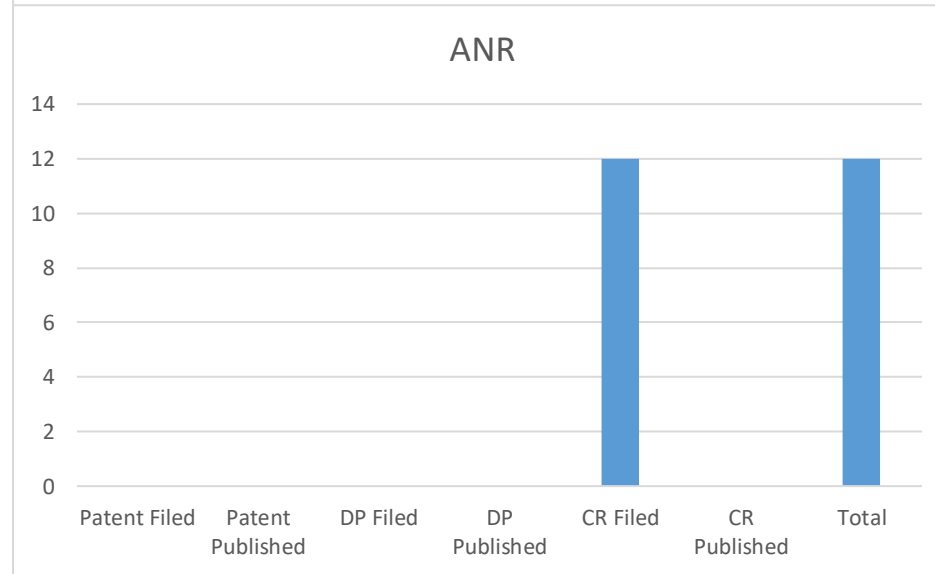
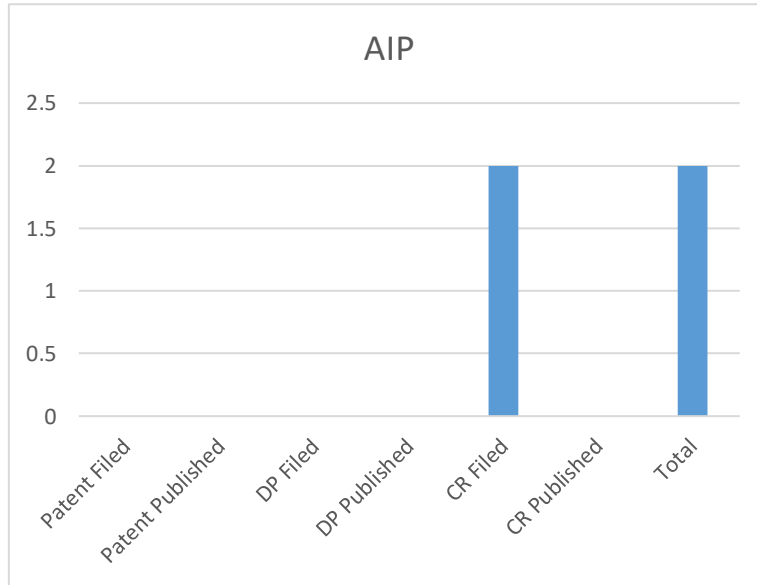
# INSTITUTION-WISE CONSOLIDATED REPORT

College Name	Patent Filed	Patent Published	DP Filed	DP Published	CR Filed	CR Published	Total
AIT	22	20	8	3	3	4	35
ABMRCP	4	3	1	NIL	NIL	NIL	5
Architecture	NIL	NIL	2	NIL	1	1	3
ASD	NIL	NIL	NIL	1	12	NIL	13
ANR	NIL	NIL	NIL	NIL	12	NIL	12
AIP	NIL	NIL	NIL	NIL	2	NIL	2
AIAHS	NIL	NIL	NIL	NIL	1	NIL	1
AIGS	3	2	1	NIL	3	2	7

Note : DP – Design Patent and CR – Copyright

# GRAPHICAL REPRESENTATION





# DETAILED REPORT OF PATENT

Sl No.	COLLEGE NAME	Patent Number	TITLE	Patent Filed Date	Published on	Status	Faculty Name	Designation
3	ABMRCP	202441040282	METHOD OF PREPARING METALLIC BIO POLYMER NANOCOMPOSITES UTILIZING REDONION PEEL	25/05/2024	31/05/2024	Examination	Dr. Joyasa Ruby	Asst. Professor
4	ABMRCP	202441040281	A PHARMACEUTICAL COMPOSITION FOR TREATING PROSTATE CANCER AND METHOD OF PREPARATION	25/05/2024	31/05/2024	Examination	Dr. Joyasa Ruby	Asst. Professor
5	ABMRCP	202441041473	METHOD FOR PREPARING A HYDROGEL INCORPORATING LIPOSOME-LOADED COLLAGEN	18/06/2024	7/6/2024	Examination	Dr. Venkatesh DP	Professor
6	ABMRCP	202441078412	FORMULATION AND CHARACTERIZATION OF GEFITINIB-ASPIRIN LOADED COMBINATIVE NANOPARTICLES IN CARRIER SYSTEM FOR TREATING LUNG CANCER	21/10/2024	25/10/2024	Examination	Dr. Venkatesh DP	Professor
7	ABMRCP	202241045566 A	Method for Preparation of Chalcone Derivatives	10/8/2022	16/02/2024	Examination	Manjunatha PM	Professor
8	ABMRCP	202241045567 A	Berberine Chloride Hydrate and Isogarcinol Composition	10/11/2022	7/5/2024	Examination	Dr. Suresh Janadri	Asso. Professor
9	ABMRCP	202241045565 A	Pyrimidine Substituted Quinazoline Structure and Method thereof	10/8/2022	16/02/2024	Examination	Dr. Gurubasavaraj Swamy	Professor
10	ABMRCP	202241045568 A	Method for Synthesizing Chalcone Derivative	10/8/2022	16/02/2024	Examination	Dr. Udayraj Sharma	Asso. Professor
11	AIT	202441086260	Partial Replacement of Cement with Silica Fume in the Production of Geopolymer Concrete	08-11-2024	15-11-2024	Examination	Mrs. Brunda GS, Dr. P Sreekanth Reddy	Assistant Professor
12	AIT	202441090339	Smart Drip Irrigation System using IoT	21-11-2024	29-11-2024	Examination	Mrs. Brunda GS, Dr. P Sreekanth Reddy	Assistant Professor
13	AIT	202441008027	NON-CONTACT CAMERA BASED HUMAN BODY VITALS AND EMOTION DETECTION DEVICE	6/2/2024	8/3/2024	Examination	Dr. Devarajiah R M Mr. Naveen Kumar S N	Professor and Head Assistant Professor,

14	AIT	202441078411	A BATTERY THERMAL MANAGEMENT SYSTEM	16/10/2024	25/10/2024	Examination	Dr.KUSUMADEVI.G.H, LAKSHMIKANTH REDDY.V	ASSOCIATE PROFESSOR,ASSISTANT PROFESSOR-1
15	AIT	202441088952	A MACHINE FOR MAKING ANIMAL FOOD USING FRUIT WASTE AND VEGETABLE PULP AS RAW MATERIAL	19/11/2024	22/11/2024	Examination	Mrs. Shrimukhi G Shastry, Dr. Shadakshari R	Assistant Professor, Associate Professor
16	AIT	202441049762	Development of a Paper-Based Diagnostic Device for Early Detection of Oral Cancer Using Machine Learning	28/6/2024		Filed	Prof. Pallavi, Dr. Pandikumar	Assistant Professor,
17	AIT	202341065940	MACHINE LEARNING-POWERED RADAR SENSOR FOR STEM BLEEDING DETECTION	30/09/2023	02/02/2024	Published under Examination	Prof. Pallavi, Prof. Sheela, Prof. Sumit, Dr, Manish Kumar Thakur	Assistant Professor,
18	AIT	202441093569	“Anomaly Detection to Find Patterns in Agriculture Fields for Crop Productivity Using Deep Learning Approaches”.	29/11/2024	13/12/2024	Published under Examination	Dr. Pandikumar, Prof.Shaheena, Prof. ANILa R Nambiar, Prof. Mudasir Rashid	Assistant Professor,
19	AIT	202441082149	“Assessment of High-Dimensional Data Classification for Skin Malignancy Detection Using Deep Learning”	28/10/2024	08/11/2024	Published under Examination	Dr. Pandikumar, Prof.Shaheena, Prof. ANILa R Nambiar, Prof. Mudasir Rashid	Assistant Professor,
20	AIT	202241065273	Synthesis and Characterization of Cow's Milk Silver	15/11/2022	17/5/2024	Published under Examination	Dr.Ismail Shareef	Professor
21	AIT	202241069282	Synthesis and Characterization of Metal /Metal Oxide	1/12/2022	7/6/2024	Published under Examination	Dr.Ismail Shareef	Professor
22	AIT	202341003484	In-vitro and In-vivo Assessment of Green Synthesized	18/1/2023	19/7/2024	Published under Examination	Dr.Ismail Shareef	Professor
23	AIT	202241055670	An Integrated Charging and Parking System for Electric Vehicles	8/10/2022	5/4/2024	Examination	Mrs. Bhagirathi	Assistant Professor
24	AIT	202341058068	Digital bot for Autism Spectrum Disorder (ASD) in Children	8/24/2023		Awaiting Complete Specification	Mr. Naveen Kumar S N	Assistant Professor
25	AIT	202441066425	System and method for internet of things based electric vehicle charging system management	9/2/2024	9/13/2024	Examination	Dr Mahesh S S	Professor

26	AIT	202441066422	System and method for Energy consumption optimisation in smart homes using Artificial Intelligence	9/2/2024	9/13/2024	Examination	Dr Mahesh S S	Professor
27	AIT	202441029533	SYSTEM AND METHOD TO MODEL ROBOTIC VACUUM CLEANER	11/04/2024	4/19/2024	Examination	Dr Mahesh S S	Professor
28	AIT	202411006632	A NOVEL HUMAN RESOURCE MANAGEMENT SYSTEM AND EMPLOYEE COMPENSATION PLANNING SYSTEM	31/01/2024	09/02/2024	Examination	Dr. Monica M	Assistant Professor
29	AIT	202441081876	Design and Implementation of a Web-based Document Management System	26/10/2024		Yet to published	Dr. Abhishek Venkateshwar and others	Professor
30	AIT	202441065940	Durability And Microstructural Properties Of Alccofine Based Steel Fiber Reinforced Self Compacting Concrete	31/08/2024		Yet to published	Lasya B and others	Professor
31	AIT	202441064584	Production Of Zn:Eu <sup>3+</sup> Nanophosphors By Using Agele Marmatosa Extract And Enhancing the Luminescent Properties For Led Application	27/08/2024		Yet to published	Dr. Kavyashree and others	Professor
32	AIT	202341089027	CALIBRATION OF LOW-COST INTERNET OF THINGS SENSORS IN ENVIRONMENTAL MONITORING NETWORKS VIA APPLICATION OF MACHINE LEARNING TECHNIQUES	27/12/2023	12/01/2024	Examination	Dr. Rajashekar Patil	Professor
33	AIT	202441009127	DEVELOPMENT OF A NOVEL SOLAR-POWERED ELECTRIC VEHICLE	11/02/2024	08/03/2024	Examination	Dr. Rajashekar Patil	Professor



# DETAILED REPORT OF PATENT DESIGNS

Sl No.	COLLEGE NAME	Patent Design Number	TITLE	Patent Design Filed Date	Published on	Status	Faculty Name	Designation
4	ANVRS	437160-001	Adjustable Dual Platform Ergonomics Footrest	13/11/2024		Scrutiny		
5	ANVRS	439208-001	Rodent Wire Hanging Apparatus	2/12/2024		Scrutiny		
6	ANVRS	439220-001	Thrash Pump	2/12/2024		Scrutiny		
7	ASD	421343-001	Portal Automatic Shoe Polisher	10/06/2024	02/08/2024	Granted	Akshay	Student
8	ABMRCP	436749-001	Rodent Wire Hanging Apparatus	8/11/2024			Dr. Suresh Janadri	Asso. Professor
9	ABMRCP	6337241	AI ENABLED PHYTOCHEMICAL ANALYSIS DEVICE	2/1/2024	26/1/2024	Granted	Mr. Abhishek Ghara	Asst. Professor
10	AIT	6369685	AI Based Humanoid Industrial Robot		02-Jul-24	Granted	Ms. Nishchitha	Assistant Professor
11	AIT	429035-001	Automated Coffee Bean and Pepper Dryer	11/1/2024	02-09-2024	Granted	Dr. Manjunatha K N, Dr. Attel Manjunath, Dr. Devarajaiah R M, Prof. Navven Kumar S N, Prof. Nishchitha M H	Associate Professor, Professor, Assistant Professor
12	AIT	428072-001	Solar Panel energy generation monitoring device	23/08/2024	25-10-2024	Granted	Dr. Kusumadevi.G.H	Associate Professor
13	AIT	435375-001	Interchangeable axis centrifugal casting machine	23-10-2024		Filed	Dr. Devarajaiah R M Mr. Naveen Kumar S N	Professor and Head Assistant Professor,
14	AIT	411690-001	AUDIOVISUAL TEACHING APPARATUS	27/03/2024	17/05/2024	Registred	Dr. Rajashekar Patil	Professor

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SI No.	COLLEGE	TITLE	Dairy Number	Filed Date	Published on	Status	Faculty Name	Designation
1	AIGS	Educational Blog for Research Methodology Course	33434/2024-CO/L	23/10/2024		Work Awaited	Dr Balamurgan	Associate professor
2	AIGS	A comparative analyst of user experience across various UPI APPS in India	23414/2024-CO/L	25/07/2024		Re-Scrutiny	Dr Muddasir ahmed khan	Associate professor
3	ANVRSA	Hand book on Intellectual Property Right-IPR (Potentials and Limitations in Architecture)	28464/2024-CO/L	12/9/2024	15/12/2024	Granted	Sana, Gracy, Sanjyot shanjot sha	Assistant Professor
4	AIP	Acharya Physio Newsletter Vol-1, Vol-2, Vol-3, Vol-4	37094/2024-CO/L	11/26/2024		Waiting	1. Dr Mallikarjunaiah HS 2. Nice Mathew 3. Dr Tanochini Mohanty 4. Suruchi.V.Rao	1. Principal 2. Associate Professor 3. Associate Professor 4. Assistant Professor
5	AIP	Strategic Analysis of Cervical structure and function in motor cyclists	11688/2024-CO/L	4/16/2024		Re-Scrutiny	Suruchi.V.Rao	Assistant Professor
6	AIAHS	MO-CO ANALYSIS PERFORMA	31257/2024-CO/L	7/10/2024		Re-Scrutiny	Neha Negi	Assistant Professor
7	ANR	Clinical Requirement log book-Adult health Nursing -II	34614/2024-CO/L	6/11/2024		Waiting	Prof. P Snehalatha Reddy	Prof.
8	ANR	Mental Health Nursing Practical Record Book for Nursing Students	32570/2024-CO/L	17/10/2024		Waiting	Mr. Vasantha Malagi	Asso.Prof.
9	ANR	obstetrics and Gynecological Nursing -Case Book	29120/2024-CO/L	18/09/2024		Re-Scrutiny ( Pending Discrepany Reply)	Mrs. Nagammal	Asst.Prof.
10	ANR	Question Bank on Multiple Choice questions of Adult Health Nursing I	28466/2024-CO/L	12/9/2024		Re-Scrutiny	Mr. Syam Mohanlal	Asso.Prof.
11	ANR	Procedure Manual Adult Health Nursing I	28463/2024-CO/L	12/9/2024		Re-Scrutiny	PROF. DEVI NANJAPPAN	Principal
12	ANR	Obstetrics and Gynecological Nursing Procedural Manual Book	28462/2024-CO/L	12/9/2024		Re-Scrutiny	Ms. Geeta K Malavad	Lecturer

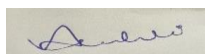
13	ANR	Question Bank on Multiple Choice questions Adult Health Nursing-II	28369/2024-CO/L	11/9/2024		Re-Scrutiny	Mr. Guntu Durga Prasad	Asst.Prof.
14	ANR	Logbook, adult health nursing I	27191/2024-CO/L	29/08/2024		Re-Scrutiny	PROF. DEVI NANAJAPPA	Principal
15	ANR	Child Health Nursing Logbook	27190/2024-CO/L	29/08/2024		Re-Scrutiny ( Pending Discrepany Reply)	Mrs. RAMYA B	Asst.Prof.
16	ANR	Community oragir for Nursing students	24647/2024-CO/L	5/8/2024		Re-Scrutiny	DR.VIJAYAMALAR.S	Prof.
17	ANR	Community Health Nursing Clinical Experience Record book	24617/2024-CO/L	5/8/2024		Re-Scrutiny	DR.VIJAYAMALAR.S	Prof.
18	ANR	Post Inoculation Pain Scale (PIP scale)	25740/2024-CO/L	5/9/2024		Re-Scrutiny	Mrs.Nithyapriya R	Asst.Prof.
19	AIT	Web Secure: Enhancing User Data Security against Phishing Using Form Swapping	29144/2024-CO/L	18/09/2024		Re-Scrutiny	Dr. Sujatha	Associate Professor
20	AIT	ExportBHARAT-An AI-powered platform for enhancing export efficiency and market reach for Indian SMEs.	38103/2024-CO/L	03/12/2024		Re-Scrutiny	Shivjyothi kumari and others	students
21	AIT	Design of hydration and vegetation index-based plant disease detection and control system	13956/2024-CO/SW	01/05/2024		Re-Scrutiny	Dr. Manjunath	Asst.Prof.
22	AIT	Computer Vision Based Prediction of Newborn Billirubin Levels from Images	SW-19282/2024	18/09/2024		Re-Scrutiny	Dr. Muthukumar Chockalingam	Associate Professor
23	AIT	A Decentralized Trustless Application of Lifetime Academic Record and Background Verification by Employer using Blockchain Technology	23895/2024-CO/SW	01/05/2024		Re-Scrutiny	Pankajkumar	Assistant Professor
24	AIT	Kannada Chandassu New Chetana Vrutta	31534/2024-CO/L	9/10/2024		Waiting	Dr. Pakirappa	Asst.Prof.
25	ASD	Harvester Lamp	34919/2024-CO/L	8/11/2024		Work Awaited	Kalidas and others	Asst.Prof.
26	ASD	LINES & RHYMES-3	34615/2024-CO/A	6/11/2024		Waiting	Dr. Sheetal Chaudhary	Asst.Prof.
27	ASD	Illuminate	34612/2024-CO/L	6/11/2024		Waiting	Shilpa V	Asst.Prof.

28	ASD	New tune for Barisu Kannada Dindimava	34130/2024-CO/M	29/10/2024		Waiting	Shivkumar	Asst.Prof.
29	ASD	Two Words, One Heart	33725/2024-CO/A	25/10/2024		Work Awaited	Arunima	Asst.Prof.
30	ASD	The Holy Dance	33721/2024-CO/A	25/10/2024		Waiting	Giridhar Kumar	Asst.Prof.
31	ASD	The Oriental Lily-Study of Flora	33720/2024-CO/A	25/10/2024		Waiting	Akash Barman	Asst.Prof.
32	ASD	"Compact Dry"-A Cloth and Shoe Dryer	32058/2024-CO/L	14/10/2024		Re-Scrutiny	Kalidas and others	Asst.Prof.
33	ASD	Threads of change: Design with recycled Textlied	32056/2024-CO/L	14/10/2024		Re-Scrutiny ( Pending Discrepany Reply)	Shalaka Shahsikant Patil	Asst.Prof.
34	ASD	LIQUO TABLE	32055/2024-CO/L	14/10/2024		Re-Scrutiny ( Pending Discrepany Reply)	Mr. Adrian glen lobo and others	Asst.Prof.

We sincerely acknowledge and thank the respective Principals, Heads of Departments (HODs), IPR Coordinators, and all the authors/contributors from Acharya Institutes for their invaluable support in the successful journey of IPR initiatives from 1st January 2024 to 31st December 2024.

We also extend our heartfelt gratitude to the Management for their unwavering cooperation, encouragement, and incentives that have greatly motivated our endeavors.

Looking ahead, we aspire to achieve even greater milestones and foster advanced IPR activities and contributions that will significantly enhance the development of Research and Development at Acharya Institutes.



Prof. Amshumali A Anand  
Head, IPR Cell



Dr. Rajashekar Patil  
Head, QA