

AICTE – Kalam Program for IP Literacy and Awareness

KAPILA: Kalam Program for IP Literacy and Awareness
For all Higher Education Institutions (HEIs)

Funding Support for

100 patents per institute/year

**100% Funding Support for
Patent Application Filing &
Examination Fee**

Eligibility

- ❖ Higher Education Institutions
- ❖ Patent filed after 1st April 2023
- ❖ Inventor can be Student/Faculty/Institute

Submit your patent details **KAPILA 2024-25 (Phase - III)**
Last date of submission **31st December 2024**

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- The KAPILA (Kalam Program for IP Literacy and Awareness) SCHEME of MoE's Innovation Council (MIC) - AICTE provides financial assistance to the institutions that are part of the Higher Education Institutions for filing patents. This scheme provides funding support for 100 patents per institute/ year; 100 % funding support for Patent Application Fee (Rs. 1,600) and Examination Fee (Rs. 4,000); total of Rs. 5,600.

The details of applications submitted by GNITC for academic year 2024 – 2025 under Phase – I and II are given below-

S.No	Phase	No. of applications submitted for reimbursement	No. of applications approved by KAPILA of AICTE	Amount sanctioned and released	Amount received on
1	I	48	43	68,800/- @1,600/- for 43 application	28.02.25
				9,600/-	

2	II	6	6	@1,600/- for 6 application	15.03.25
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Details of patents approved under Phase I of the AICTE–KAPILA scheme for the academic year 2024–2025

S.No	Application ID	Patent Title	Name of the Applicant	Department
1.	202441028784	<i>Optimizing Pentanoic Acids concentrations in biodegradable plastics textiles through Machine Learning Predictions</i>	<i>Dr.Telugu Maddileti</i>	<i>ECE</i>
2.	202441074406	<i>Development of quality of service for massive mimo joint optimization</i>	<i>Dr.M.Sudha Rani</i>	<i>Chemistry</i>
3.	202441072772	<i>SYNTHESIS AND ANTIOXIDANT POTENTIALS OF NOVEL THIAZINE DERIVATIVES</i>	<i>Dr. Gomathi Periyasamy</i>	<i>Pharmacy</i>
4.	202441041497	<i>ANALYZING THE IMPACT OF NANO SILICA ON HIGH-STRENGTH CONCRETE WITH STATISTICAL METHODS USING RESPONSE SURFACE METHODOLOGY</i>	<i>Avuthu Narender Reddy</i>	<i>CE</i>
5.	202441070405	<i>DESIGN, SYNTHESIS AND EVALUATION OF NOVEL THIAZINE DERIVATIVES AS POTENT ANTIMICROBIAL AGENTS</i>	<i>Dr. Gomathi Periyasamy</i>	<i>Pharmacy</i>
6.	202441028765	<i>EFFICIENT GRID-TO-VEHICLE COMMUNICATION PROTOCOL UTILIZING ARTIFICIAL INTELLIGENCE FOR DEMAND RESPONSE MANAGEMENT</i>	<i>Dr.Y.V.Balarama Krishna Rao</i>	<i>EEE</i>
7.	202441071021	<i>SYSTEM AND METHOD FOR ANALYZING INVESTOR BEHAVIOR AND PREFERENCES BASED ON DEMOGRAPHIC AND ECONOMIC FACTORS</i>	<i>Dr. Chokkamreddy Prakash</i>	<i>MBA</i>
8.	202441068917	<i>A System and Method for Enhancing Employee Engagement to Improve Job Satisfaction, Performance, and Loyalty in Corporate Organizations</i>	<i>Adhireddy Sandeep Reddy</i>	<i>MBA</i>
9.	202441069823	<i>SYSTEM AND METHOD FOR ANALYZING EMPLOYMENT OPPORTUNITIES AND GROWTH POTENTIAL IN THE TOURISM SECTOR</i>	<i>Dr. Chokkamreddy Prakash</i>	<i>MBA</i>
10.	202441069708	<i>Assessing Bank Employees' Perceptions and Engagement in Green Finance Practices to Enhance Sustainable Banking Strategies in India</i>	<i>Dr. Chokkamreddy Prakash</i>	<i>MBA</i>

11.	202441004440	INNOVATIVE SYSTEMS AND METHODS FOR ENHANCING PERSONAL FINANCE IN DEVELOPING ECONOMIES THROUGH TECHNOLOGY, APPS, AND FINANCIAL MANAGEMENT STRATEGIES.	Dr. Chokkamreddy Prakash	MBA
12.	202441047654	ENHANCING COMMERCIAL BANK PROFITABILITY AND CUSTOMER SATISFACTION WITH A MULTIFACETED APPROACH THROUGH MARKETING STRATEGIES AND CUSTOMER- CENTRIC PRACTICES	Dr. Chokkamreddy Prakash	MBA
13.	202441013923	UTILIZATION OF BAOBAB FRUIT PULP- DERIVED PECTIN AS A PHARMACEUTICAL EXCIPIENT	Dr. Chokkamreddy Prakash	MBA
14.	202441016969	E-COMMERCE DYNAMICS IN DIGITAL INDIA: AN IN-DEPTH ANALYSIS OF ONLINE SHOPPING PREFERENCES AND KEY INFLUENCING FACTORS OF CONSUMERS	Dr. Chokkamreddy Prakash	MBA
15.	202441015081	DECODING EOMARKETING ACCEPTANCE IN NON- METRO INDIA: A COMPREHENSIVE STUDY OF CONSUMER TRENDS AND INFLUENTIAL FACTORS IN TELANGANA'S RANGAREDDY AND NALGONDA DISTRICTS.	Dr. Chokkamreddy Prakash	MBA
16.	202441016959	TRANSFORMATIVE DYNAMICS: UNVEILING A COMPREHENSIVE FRAMEWORK FOR CUSTOMER EXPERIENCE, RELATIONSHIP MANAGEMENT, AND VALUE CO- CREATION	Dr. Chokkamreddy Prakash	MBA
17.	202341035853	ISOLATION OF ANTHOCYANINS FROM TWO FORMS OF <i>Brassica oleraceae</i>	Dr. Gomathi Periyasamy	Pharmacy
18.	202441064088	Self-Repairing Nanomaterials for Biomedical Applications	M. Radhika Reddy	Pharmacy
19.	202441023756	CYTOTOXIC POTENTIALITY OF SESBANIA GRANDIFLORA SEEDS AGAINST PANCREATIC AND LEUKEMIA CELL LINES	Dr. V. Balakrishna	Pharmacy
20.	202441054737	EFFICIENT RK2 SOLVER FOR NONLINEAR CONTROL SYSTEMS IN AEROSPACE ENGINEERING	Dr. Tata Sivaiah	Mathematics
21.	202441057974	DEEP NEURAL NETWORK-BASED AI MODEL FOR ACCURATE LUNG CANCER DETECTION AND CLASSIFICATION	Dr. Tata Sivaiah	Mathematics

22.	202441066120	<i>Exploring the Intersection of Fixed Point Theory and Fuzzy Logic in Complex Mathematical Models</i>	<i>Dr. Tata Sivaiah</i>	Mathematics
23.	202441056515	<i>Sintering technique in the formulation development of floating tablets of Dasatinib</i>	<i>Dr. Chandan Mohanty</i>	Pharmacy
24.	202341070982	<i>ANTICANCER EFFECT AGAINST PANCREATIC CELL LINE AND LEUKEMIA CELL LINE STUDY OF SCOPARIA DULCIS L</i>	<i>Dr. Prathyusha Segu</i>	Pharmacy
25.	202441017030	<i>INNOVATIVE GASTRO-RETENTIVE MICROSPHERES FOR ENHANCED NATAGLINIDE DELIVERY IN DIABETES MANGEMENT</i>	<i>Dr.K.Parameshwar</i>	Pharmacy
26.	202441056565	<i>DESIGN, DEVELOPMENT, AND CLINICAL APPLICATIONS OF PHARMACEUTICAL NANOCARRIERS</i>	<i>Dr. V Ravi Kumar</i>	Pharmacy
27.	202441058570	<i>REMOVAL OF BIOFILM FROM STORAGE TANK OF WATER PURIFIER</i>	<i>Dr. Sandip Sen</i>	Pharmacy
28.	202441068842	<i>ENHANCED DIELECTRIC AND MAGNETIC PROPERTIES OF BIFEO3 WITH IONIC FILLER ADDITIVES AT ROOM TEMPERATURE</i>	<i>Dr. Sangeetha Mahendrakar</i>	Physics
29.	202441055239	<i>NANO SPHERES OF RELIEF: PIONEERING SUSTAINED-RELEASE LANSOPRAZOLE FOR EFFECTIVE GASTRIC CARE</i>	<i>Dr. Shaik Harun Rasheed</i>	Pharmacy
30.	202441065867	<i>ANTI-EPILEPTIC ACTIVITY EVALUATION OF HYDRO ALCOHOLIC EXTRACT OF WHEAT GRASS (TRITICUM AESTIVUM) IN ALBINO MICE</i>	<i>Dr. Shaik Harun Rasheed</i>	Pharmacy
31.	202441075894	<i>Multi-Component Nano-Modified Concrete with Colloidal Nano Silica for Enhanced Mechanical and Durability Properties.</i>	<i>Avuthu Narender Reddy</i>	CE
32.	202441044964	<i>AI-BASED PREDICTIVE MAINTENANCE AND EFFICIENCY ENHANCEMENT FOR PHOTOVOLTAIC CELLS IN SMART GRIDS</i>	<i>Dr.S.Rajender Reddy</i>	EEE
33.	202441066113	<i>SYSTEM AND METHOD FOR IOT AND DRONE- BASED SMART SPORT MANAGEMENT</i>	<i>Mrs. Kummari Ramyasree</i>	ECE
34.	202441066040	<i>A QUANTUM CRYPTOGRAPHY- BASED SECURITY SYSTEM USING INTERNET OF THINGS (IOT) AND METHOD THEREOF</i>	<i>Mrs. Korukonda Hanuja</i>	ECE

35.	202441066037	AN IOT-ENABLED DUST REMOVAL SYSTEM FOR ENHANCED PHOTOVOLTAIC SOLAR PANEL EFFICIENCY	Mrs. Shashikala Reddigari	ECE
36.	202441066036	A Wireless Power Receiver Control Method With Integrated Near Field Communication Antenna	Dr. Sandeep P	ECE
37.	202441066114	AN IOT-BASED CULTIVATION DATA MONITORING SYSTEM FOR CROPS AND METHOD THEREOF	Mr. Shyam Kondeti	ECE
38.	202441066035	A Method for Time Synchronization In Time-Sensitive Communication for 5G Systems	Dr. S M K M Abbas Ahmad	ECE
39.	202441077656	Compression Device for Industrial and Domestic wastage Use with Wireless communication and mechanical system	ANIL KUMAR. K	ECE
40.	202441077543	Industrial and Domestically usable Multi-Material Compression Device with IoT Integration for Dynamic Pressure Control	Dr. P.Laxman	ECE
41.	202441076615	Artificial Intelligence-Based System for Optimizing Energy Consumption in Electrical Grids	Dr. K. S. Chandragupta Mauryan	EEE
42.	202441007453	AI-Powered Wireless Charging Station with Multi- Sensor Fusion	Dr. K. S. Chandragupta Mauryan	EEE
43.	202441071116	Machine Learning Based Real Time Control Systems for Launching Vehicles Using Wireless Sensor Networks	N.Siva Rama Krishna Prasad	IT

Details of patents approved under Phase II of the AICTE–KAPILA scheme for the academic year 2024–2025

S.No	Application ID	Patent Title	Name of the Applicant	Department
1	202441030152	GENERATIVE AI SYSTEM FOR NATURAL LANGUAGE DIALOGUE GENERATION	Dr. N. Krishna Kumar	CSE
2	202441058904	A NOVEL SOFTWARE ENGINEERING APPROACH USING MACHINE LEARNING ALGORITHM FOR IMPROVING THE EFFICIENCY OF HEALTH CARE SYSTEMS	Dr. N. Krishna Kumar	CSE
3	202441068329	AI BASED AUTOMATED SYSTEM FOR PREDICTION OF GENETIC DISEASES USING PUPILLOMETRY	Dr. N. Krishna Kumar	CSE
4	202441068341	AN AUTOMATED SYSTEM FOR BULLET IMPACT DETECTION IN SILHOUETTES USING DEEP	Dr. N. Krishna Kumar	CSE

		<i>LEARNING ALGORITHM</i>		
5	202441080984	<i>Cytotoxic activity of citric acid against human dermal fibroblast (HDF) and human embryonic kidney (HEK-293) Cancer cell lines</i>	<i>RATNAKAR CHERUKUPALLY</i>	<i>Pharmacy</i>
6	202441079834	<i>Novel Oral Film-Based Formulation for Enhanced Delivery of Candesartan Cilexetil</i>	<i>SHAIK HARUN RASHEED</i>	<i>Pharmacy</i>