KAPILA Scheme

The Kalam Program for Intellectual Property Literacy and Awareness (KAPILA) is an initiative by the All India Council for Technical Education (AICTE) aimed at fostering a culture of innovation and intellectual property (IP) awareness among students and faculty in higher education institutions (HEIs) across India. Launched to honor the vision of Dr. A.P.J. Abdul Kalam, the program seeks to educate and encourage the academic community to protect their inventions through patent filings.

Key Features of the KAPILA Scheme:

Patent Filing Support: HEIs that have filed patents with the Indian Patent Office on or after April 1, 2023, are eligible for consideration under the KAPILA scheme. Furthermore, applications submitted by HEIs on the KAPILA portal on or after March 1, 2024, are eligible for reimbursement.

KAPILA Committee Members

Sl. No.	Name	Designation	Insitute Name/Company name	Contact No.	Email Address
1	Dr.N. Suresh Kumar	Principal	R.M.K. College of Engg. & Tech.	9443980877	principal@rmkcet.ac.in
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6	Dr.P.Josephin Shermila	Associate Professor /KAPILA Coordinator(SPOC)	R.M.K. College of Engg. & Tech.	9176656555	josephinshermilaads@rmkcet.ac.in

Reimbursement Policy: For applications where only the filing fee was reimbursed during a financial year, the applicant may submit the examination fee for the respective application in the subsequent financial year. Applications submitted on the KAPILA portal until February 29, 2024, will be considered under the previous guidelines, which provided a 50% reimbursement. Notably, from March 2024 onwards, the reimbursement amount has been increased to 100%, offering full financial support for patent filings.

Impact of KAPILA at R.M.K. College of Engineering and Technology (RMKCET):

At RMKCET, the KAPILA scheme has significantly bolstered the institution's research and innovation endeavours. To date, the college has submitted 39 patent applications under the scheme, with 22 of these patents got approved for funding as given in Table 2. Through the submission of the mandate form, RMKCET has received ₹16,000 for these approved patents as given in Table 1. This financial support has been instrumental in encouraging both faculty and students to pursue further patent filings.

Table 1. KAPILA Application Status

Academic Year	Submitted	Approved Patents	Fund Received
2022-2023	20	13	Rs. 14,400
2023-2024	10	2	Rs. 1,600
2024-2025	9	7	Yet to receive

The following are the patents which got approved through KAPILA scheme for reimbursement.

Table 2. Approved Patents through KAPILA Scheme

S. No.	Academic year	Department	Application Number	Title of Ideas	Inventor Name
1	2022-2023	S & H	202141060812	Urban Agro-Farming In Rain Water Harvesting Channels	Dr. Sudhakar
2	2022-2023	S & H	202141060813	Eco Friendly Interlinked Hybrid Absorbent Polymer as Planting Medium for Reducing Frequency of Irrigation	Dr. Sudhakar
3	2022-2023	S & H	202141058588	Portable Robot Base and Robotic Arm for Cleaning Inner Surface of Tanks Using Ultrasonic Sensors	Dr. Sudhakar
4	2022-2023	CSE	202141059327	Pollution Data Logging System Employing IOT Integrated Hyper-Ledger Cloud Module	Ms. Prem Priya
5	2022-2023	ECE	202241001199	Solar Operated Proficient System for Precision Agriculture using IOT	Dr. N. G. Praveena

6	2022-2023	S & H	202341004711	A Systematic Approach for Analyzing the Impact of Machine Learning Techniques with Modelling Systems on Differential Equations	Dr. S. M. Chithra
7	2022-2023	S & H	202241076963	Implementation of Neural Network Methods in Solving Advanced Mathematics Equations	Dr. K. A. Selva Kumaran
8	2022-2023	ECE	202341026304	Smart IOT Sensor Device for Hand Wash Dispensing Units for Better Hygiene	Dr. Kalaiarasi
9	2022-2023	ECE	202341036856	Hybrid And Electric Vehicles Charging At Running Time Vehicle	Dr. Kalaiarasi
10	2022-2023	MECH	202341015964	New Approach On Enhancement of Power Transmission of a Motorcycle by Replacing Steel Shaft with GFRP Composite Hollow Shaft	Dr. P. K. Devan
11	2022-2023	MECH	202341015957	Development of Novel Pneumatic Powered Double Headed Shaper for Material Removal on Two Work Pieces	Dr. Balasubramanian
12	2022-2023	MECH	202241039208	An Automatic Farming Machine and the Method of Manufacturing	Mr. Hemadri
13	2022-2023	MECH	202241039209	A Foldable Motorbike and the Method of Manufacturing	Dr. K. Vinoth Kumar
14	2023-2024	ECE	202341046719	Internet Of Things(IOT) Based System and Method of Farm Management for Modern Agriculture	Dr. C. Arun
15	2023-2024	ECE	202341046720	An Intelligent Autonomous Lightweight Robot for Healthcare Monitoring	Dr. C. Arun
16	2024-2025	ECE	202441041322	Cloud Assisted Remote Monitoring and Management Systems for Cardiac Patients with Wearable Sensors and Machine Learning	Ms. S. Sesha Vidhya
17	2024-2025	CSE	202441027219	Ensemble Machine Learning & Natural Language Processing Based Financial Data Scrapping Software	Ms. R. Saranya
18	2024-2025	S& H	202441039287	Green Synthesis of Titania Nanoparticles and its Efficient Method of Photodegradation of Congo Red	Dr. N. Saikumari

19	2024-2025	MECH	202441030412	An Autonomous and Intelligent Tower Parking System	Dr. Karthick K
20	2024-2025	MECH	202441030414	An Adaptive Portable Ventilator System for Respiratory Support In Diverse Environments	Dr. Vinoth Kumar K
21	2024-2025	AI & DS	202441061950	Ai-Driven Precision Agriculture System with IOT-Enabled Crop Monitoring and Automated Analysis	Dr. P. Josephin Shermila
22	2024-2025	CSE (CS)	202441025764	A Robotic System for Autonomous Detection of Humans in Adverse Situations	Dr. Udhaya Sankar S M

KAPILA (SPoC)

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