



RATHINAM
TECHNICAL CAMPUS
(AUTONOMOUS)

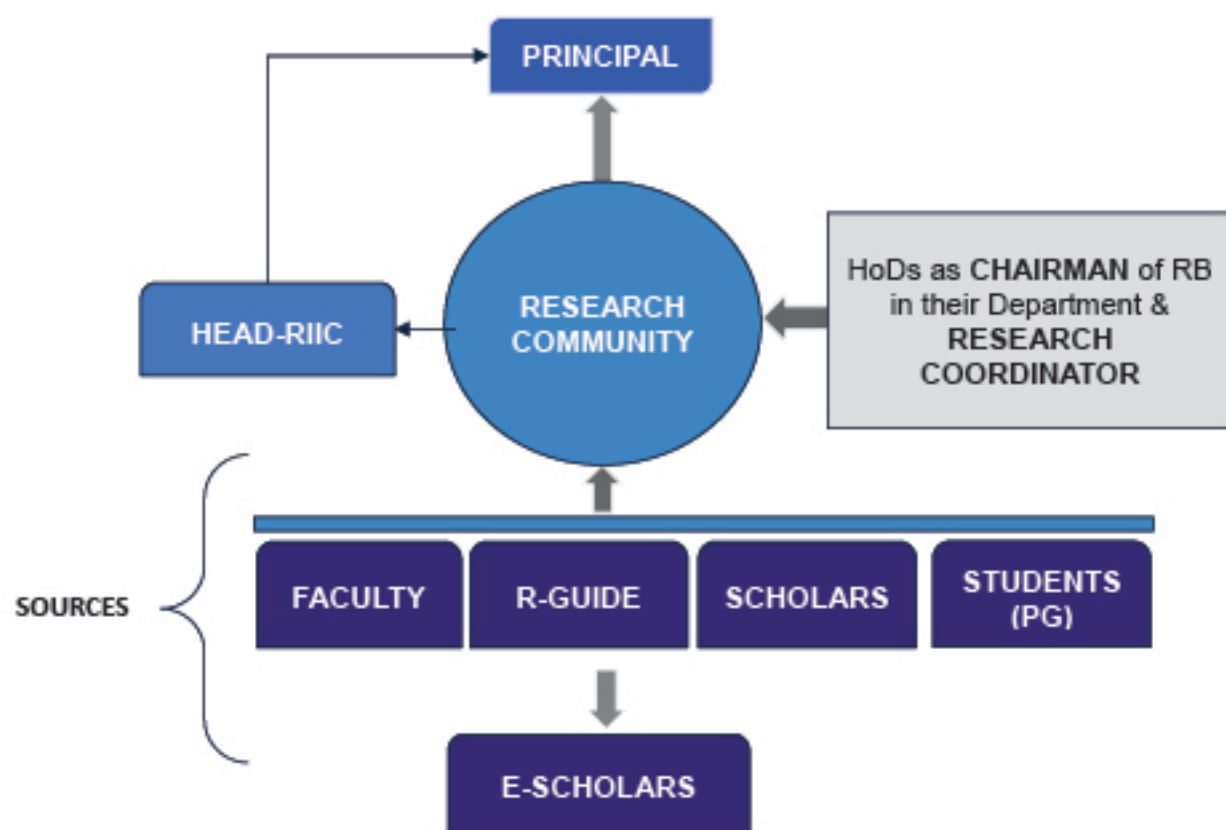


RATHINAM RESEARCH BOARD

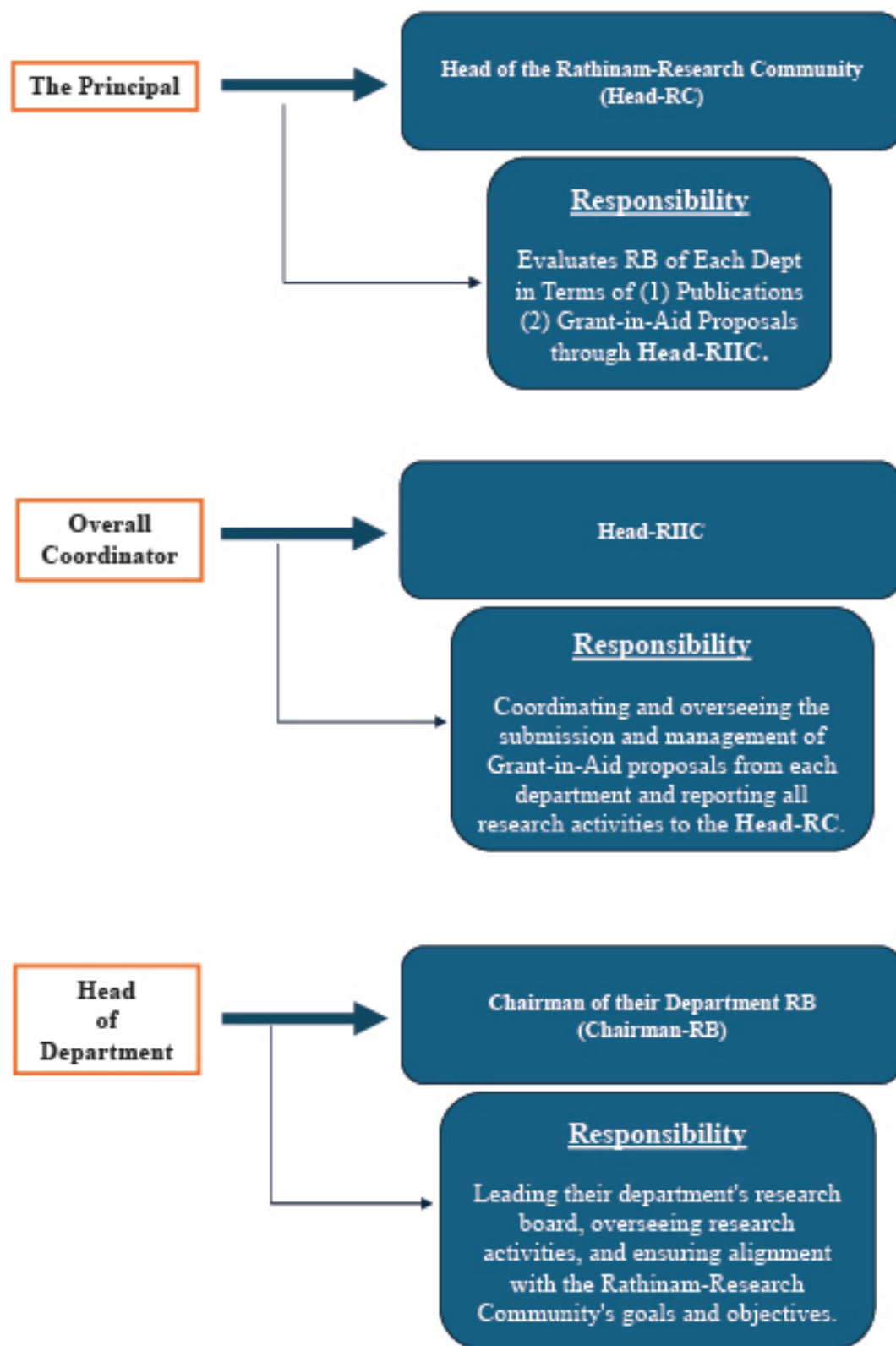


RATHINAM RESEARCH BOARD

Framework of Rathinam-RB:



Key Players in Rathinam-RB:



Research Board (RB): Roles and Duties:

- RB is responsible for conducting an active advocacy program to support internal research.
- RB submits the fortnight report, current and future publication records to the **Head-RIIC**.
- RB coordinates the research activity inside the department.
- RB Conducts a weekly update meeting to upgrade the interest and compulsion among the Sources (Staffs, students, and Research Scholars) and the **MOM should be shared Head-RC**, Which will be maintained by Head-RIIC.
- **RB-Chairman** will organizes their review meeting inside their department.
- The internal meetings should comprise all the faculty of the respective department.
- **RB-Chairman** responsibilities is to make sure the progress in Research Publications & Grant-in-aid proposals.

Departmental Research Board Schedule:

During the First Research Publication Progress meeting the RB in the department have to declare their target.

Research Publication Progress	Every Fortnight
Grant-in-Aid Proposals Progress	Every Month
Ph.D Progress	Semester Once
Research Seminar	Every Week

Incentives for Faculty Research Activities:

S.No	Particulars		Incentives
1	Paper Publication		
	1.1	SCI	5,000
	1.2	WoS & Scopus	3,000
2	Patent		
	2.1	filled	2,000
	2.2	Published	2,0000
	2.3	Granted	10,000
3	Research Project		5% Of amount Sanctioned

Objective of Research Board:

- Increasing the Department publications through SOURCES (Only Scopus/ SCI/ Web of Science is considered).
- Making all faculty register for Ph.D.
- Organizing Weekly Research Seminars (all should present in cyclic pattern-one per week).
- Concentrating in the quality of Grant-in-Aid proposals.
- Motivating students towards innovation & Research challenges.
- Improving the dept. Scopus Index / Google Scholar - H Index, I-10 Index and Citations.

Research Publication Goals:

SOURCES	TARGET
FACULTY	2 PAPERS PER YEAR
INTERNAL RESEARCH SCHOLARS	2 PAPERS PER YEAR
RESEARCH GUIDE	5 PAPERS PER YEAR
EXTERNAL RESEARCH SCHOLARS	2 PAPERS PER YEAR

Research Achievements:

467

Research Paper
Publication

148

Scopus Research
Paper

62

WOS - Research
Publication

3452

Citations Google
Scholars

75

I10-Index Google
Scholars

29

H-Index Google
Scholars

50+

Book Publication

40+

Conference
Publication

165

Total Faculty

59

Doctorates

85

Patent Publication

SPONSORED RESEARCH PROJECTS

160+Lakhs
Research Projects

14
Research Project

550+Lakhs
Research Projects
Total Amount
Sanctioned

List of RESEARCH PROJECTS:

S.No.	Name of Faculty (Principal Investigator)	Name of the Funding agency	Title of the Project	Sanctioned date	Total Amount Sanctioned (In Rupees)
1.	Dr.Bradha Madhavan	Board of Research in Nuclear Sciences (BRNS)	Development of novel efficient $\text{La}(1-x)\text{Sr}_x\text{Mn}(1-y)\text{ByO}_3$ -& (B= Mg, Co) nano perovskite cathode material	24.04.2023	1933100
2.	Dr.Bradha Madhavan	ICDD: The International Centre for Diffraction Data	"Development of novel Nano perovskite oxide materials	03.10.2023	\$1,000 USD
3.	Dr.S.Vaidevi	CRS Project Proposal at UGC-DAE CSR	Ruxolitinib loaded carbon dots for bioimaging and treatment of lung infections	05.03.2024	45,000
4.	Dr.S.Vaidevi & Dr.B.Nagaraj	Department of Health Research, Ministry of Health and Family Welfare, New Delhi	Development and evaluation of bevacizumab nanodispersion for effective treatment of lung cancer	04.03.2022	46,46,250
5.	Dr. K.K. Aruna	Aeronautics R&D board, DRDO	Development of Pd Diffused Transition Metal (Mo,Co,W) Based chalcogenic heterostructures Support on carbon nanostructures/Ni foam for electrochemical water splitting	02.02.2021	35,89,155
6.	Dr. K.K. Aruna	CDRI	Decision Support tool for climate Risk management in manufacturing industries	15.04.2021	8,00,000

7.	Dr. K.K. Aruna	IIT Guwathi	Design, Development and Integration of Hydrogen based energy storage and conversion system for underwater Applications	28.09.2022	30,00,000
8.	Mr. Santosh Kumar. S. P	Tamil Nadu State Council for Science and Technology	Vaccination chat service	March 2023	7500
9.	Mr. Karthick LS	Tamil Nadu State Council for Science and Technology	Automatic waste segregation system using IoT	March 2023	7500
10.	Dr. Bradha Madhavan	CRS Project Proposal at UGC-DAE CSR	Neutron diffraction, magnetism and dielectric studies of $\text{LaTiO}_{0.5}\text{BO}_{0.5}\text{O}_3$ (B=Mn, Co, Fe)	24.03.2022	45,000
11.	Dr. K.K. Aruna	CRS Project Proposal at UGC-DAE CSR	Bifunctional Ternary ThioSpinel Nano-forms@ Carbon Nanostructures for Sustainable Energy Applications '	24.03.2022	45,000
12.	Dr.P. Krishnakumar	Tamil Nadu State Council for Science and Technology	Geographical information system based impact assessment on landuse changes in groundwater geochemistry of Coimbatore City, Tamilnadu	11.03.2022	7500
13.	Dr.B.Nagaraj	Ministry of Commerce and Industry	Innovation fund for sustainable development	29.04.2022	4,00,00,000
14.	Dr.B.Nagaraj	Ministry of Micro, Small & Medium Enterprises	Adhesive non-surgical hearing device	23.03.2022	15,00,000

557+ Lakhs

CONSULTANCY PROJECTS:

Client Organization	Title of Consultancy of project	Amount received (in Rupees)
Cyber Security NXXT Pvt Ltd	Machine Learning for Anomaly Detection in Network Traffic	862496
Zacco Cyber Security Pvt Lad	Climate-Responsive Agricultural Planning with Artificial Intelligence	9041796
Zacco Cyber Security Pvt Lad	IoT-Enabled Smart Irrigation System with AI Predictive Analytics	15672848

Visual Sculptors Design	Environmental Sustainability Campaign: Graphic Design and Messaging	6658232
Molecular Connection	IoT-enabled Livestock Monitoring and Health Prediction using AI	8022145
Molecular Connection	Perovskite Nanotubes for High-Throughput Gas Sensing Arrays	7638071
Mallow Technologies Pvt Ltd	Smart City Traffic Management through Data Analytics	8906385
HCL Technologies	Skill Development programme for Students	8383058
Data Page Digital Services Pvt	Metadata Management System for Efficient Content Cataloging	9906948
True Hoch	Blue-Green Deployment Strategy for Zero Downtime	9773833
Aezion Technologies Pvt Ltd	Automated Quality Control in Manufacturing through Data Analytics	7923798
Total (Rs)		68314046



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