



HINDUSTHAN INSTITUTE OF TECHNOLOGY

Autonomous Institution affiliated to Anna University, Approved by AICTE, New Delhi
Accredited with 'A' Grade by NAAC, Accredited by NBA (Aero, CSE, ECE and MECH)



COIMBATORE – 641 032.

It is here by informed that the following faculty members are nominated for **Research Cell Committee** of this institution for the year 2022-2023.

S.No	Name of the Member	Position	Category	Mobile No.	E-mail id
1.	Dr. C.Natarajan	Chairman	Principal	99946 30696	hitprincipal@hindusthan.net
2.	Dr. B.Paulchamy	Member Secretary	Head of the Department	96291 83233	hitece2013@gmail.com
3.	Dr.K.Mahendran	Coordinator/ Member	Associate Professor	9976064001	dr.mahendran.k@hit.edu.in
4.	Dr. A. JameerBasha	Member	Head of the Department/CSE	94434 03786	a.jameerbasha@gmail.com
5.	Dr.S.Rajabalayanan	Member	HOD/MECH	9443924797	rajabalayanan@hit.edu.in
6.	Dr.K.M.Arunraja	Member	AP/MECH	9865658575	drarunraja@hit.edu.in
7.	Dr.M.Durai Pandian	Member	HOD/IT	9994144286	duraipandian.hodit@hit.edu.in
8.	Dr.L.Vijayakumar	Member	Head of the Department/Pharama	9442982665	dr.vijakumar@hit.edu.in

9.	Dr.S.Lokesh	Member	ASP/CSE	9488009978	drlokesh@hit.edu.in
10.	Dr.S.Sivakumar	Member	AP/S&H	9865553361	dr.sivakumar@hit.edu.in
11.	Dr.D.Prakash	Member	AP/S&H	9600840001	drprakash@hit.edu.in


Research Cell Coordinator


Principal

HINDUSTHAN INSTITUTE OF TECHNOLOGY

RESEARCH CELL

Ref: HITECH/Research Cell//2022-2023/001

01.07.2022

CIRCULAR

It is hereby informed that the Research advisory committee meeting is scheduled on 06.07.2022 @ 11.00 AM at board Room. The research advisory committee members are requested to attend the meeting without fail.


PRINCIPAL
01.07.22

Copy To:

1. The Principal
2. IQAC
3. All the members of Research Advisory Committee Committee
4. File Copy

Encl:

1. Research Advisory committee members list

HINDUSTHAN INSTITUTE OF TECHNOLOGY

RESEARCH CELL

Research Advisory committee members list

SNO	NAME	Designation	Signature
1.	Dr. C.Natarajan, Principal	Chairman	C.N.
2.	Dr. B.Paulchamy, HOD/ECE	Member Secretary	B.Paulchamy
3.	Dr. A.Jameer Basha HOD/CSE	Member	A.Jameer Basha
4.	Dr.S.R.Rajabalayanan HOD/MECH	Member	S.R.Rajabalayanan
5.	Dr.M.Durai Pandian HOD/IT	Member	M.Durai Pandian
6.	Dr.K.M.Arunraja AP/MECH	Member	K.M.Arunraja
7.	Dr.S.Lokesh ASP/CSE	Member	S.Lokesh
8.	Dr. L.Vijayakumar HOD/PHARMA	Member	L.Vijayakumar
9.	Dr. D.Prakash, Asst Prof/Physics	Member	D.Prakash
10.	Dr. R.Sivakumar, Asst Prof/ Chemistry	Member	R.Sivakumar
11.	Dr. K.Mahendran, Associate Prof./ ECE	Coordinator/Member	K.Mahendran

HINDUSTHAN INSTITUTE OF TECHNOLOGY
COIMBATORE
RESEARCH CELL

06.07.2022

MINUTES OF THE MEETING

1. Dr. C. Natarajan, Chairman welcomed all the Research Advisory Committee Members to the meeting.
2. New members were inducted into the committee and the old members who have resigned are relieved from the committee. The new Research Advisory Committee thus formed consists of the following members.

SNO	NAME	Designation
1.	Dr. C.Natarajan, Principal	Chairman
2.	Dr. B.Paulchamy, HOD/ECE	Member Secretary
3.	Dr. A.Jameer Basha HOD/CSE	Member
4.	Dr.S.R.Rajabalayanan HOD/MECH	Member
5.	Dr.M.Durai Pandian HOD/IT	Member
6.	Dr.K.M.Arunraja AP/MECH	Member
7.	Dr.S.Lokesh ASP/CSE	Member
8.	Dr. L.Vijayakumar HOD/PHARMA	Member
9.	Dr. D.Prakash, Asst Prof/Physics	Member
10.	Dr. R.Sivakumar, Asst Prof/ Chemistry	Member
11.	Dr. K.Mahendran, Associate Prof./ ECE	Coordinator/Member

3. The committee has informed its members to collect the Research Publications from their corresponding department once in every three (3) months and submit the same to the Research Cell for updation.

HINDUSTHAN INSTITUTE OF TECHNOLOGY
COIMBATORE
RESEARCH CELL
Attendance Sheet

SNO	NAME	Designation	Signature
1.	Dr. C.Natarajan, Principal	Chairman	C.N.
2.	Dr. B.Paulchamy, HOD/ECE	Member Secretary	B.P.
3.	Dr. A.Jameer Basha HOD/CSE	Member	A.J.
4.	Dr.S.R.Rajabalayanan HOD/MECH	Member	S.R.
5.	Dr.M.Durai Pandian HOD/IT	Member	M.D.
6.	Dr.K.M.Arunraja AP/MECH	Member	K.M.
7.	Dr.S.Lokesh ASP/CSE	Member	S.L.
8.	Dr. L.Vijayakumar HOD/PHARMA	Member	L.V.
9.	Dr. D.Prakash, Asst Prof/Physics	Member	D.P.
10.	Dr. R.Sivakumar, Asst Prof/ Chemistry	Member	R.S.
11.	Dr. K.Mahendran, Associate Prof./ ECE	Coordinator/Member	K.M.



HINDUSTHAN INSTITUTE OF TECHNOLOGY

COIMBATORE- 641032



RESEARCH CELL COMMITTEE

ACTION TAKEN REPORT

DATE :15.07.2022

The following actions were taken by the Research Cell committee with the knowledge of authority.

S.NO	Committee's Suggestion	Committee's Suggestion for action to be taken
1	Collect the Research Publications from their corresponding department	The request is sent to all departments to motivate the faculty members and collect the Research Publications
2	All the teaching faculty members of the institution has to register Ph.D compulsorily and the Doctoral faculties should get research guidance from respective Universities.	To upgrade the faculty qualification. Non Ph.D holders are used the seed money projects for their carrier.
3	Apply for patent for the project and research works	DST and TNSCST project proposals are applied
4	Apply for consultancy projects and researches.	Consultany Works are carried.
5	Motivate the students for enroll the more online courses/NPTEL	All faculty members are informed and they are active in this regard.
6	Motivate the students for extra and co curricular activities	All faculty members are informed and they are active in this regard.

C.M.
Principal
15.7.22

Copy To:

1. The Principal
2. IQAC
3. All the members of Research Advisory Committee Committee
4. File Copy



HINDUSTHAN INSTITUTE OF TECHNOLOGY
COIMBATORE – 641 0 32



RESEARCH CELL COMMITTEE

The following members are attended the **Research Cell Committee** for the academic year **2022-2023** held on **15.07.2022 at 11.00 am** at Board Room

SNO	NAME	Designation	Signature
1.	Dr. C.Natarajan, Principal	Chairman	
2.	Dr. B.Paulchamy, HOD/ECE	Member Secretary	
3.	Dr. A.Jameer Basha HOD/CSE	Member	
4.	Dr.S.R.Rajabalayanan HOD/MECH	Member	
5.	Dr.M.Durai Pandian HOD/IT	Member	
6.	Dr.K.M.Arunraja AP/MECH	Member	
7.	Dr.S.Lokesh ASP/CSE	Member	
8.	Dr. L.Vijayakumar HOD/PHARMA	Member	
9.	Dr. D.Prakash, Asst Prof/Physics	Member	
10.	Dr. R.Sivakumar, Asst Prof/ Chemistry	Member	
11.	Dr. K.Mahendran, Associate Prof./ ECE	Coordinator/Member	

HINDUSTHAN INSTITUTE OF TECHNOLOGY

RESEARCH CELL

CIRCULAR

Ref: HITECH/Research Cell//2022-2023/002

07.10.2022

It is hereby informed that the last date for submission of Project proposal for seed money is **27.10.2022**. The submitted proposals have to be proper as per the format prescribed by the Research cell. The Principal Investigators of the project should present before the research advisory committee and the date of presentation will be announced later.

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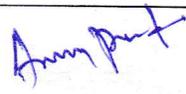
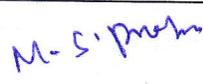
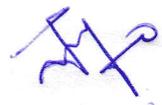
1. The Principal
2. IQAC
3. All the members of Research Advisory Committee Committee
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C.M.G.
PRINCIPAL
7.10.22

HINDUSTHAN INSTITUTE OF TECHNOLOGY, COIMBATORE-32

RESEARCH PROPOSAL

(SEED MONEY SCHEME)-2022-23 DATE: 09.11.2022

S NO	NAME OF THE PI	TITLE OF THE PROPOSAL	Signature of the PI
1.	S.Harrish AP/AERO	Telescope-An Investigate Tool in Astronomy	
2.	Mr.Arunprakash AP/AERO	Design and Development of Hybrid Outdoor Air Purifier Unit	
3.	Mr.M.S.Prabhu AP/AERO	Design and Development of a Small scale Thrust Test Stand for Rocket motor and Propeller	
4.	Mr.Maheswaran AP/AERO	Numerical Investigation of Flow Field Characteristics of Cavity in a Strut Based Scramjet Combustors	
5.	Mr.Jeevarathinam Mr.Ganeshkumar AP/MECH	Wind Power Generator setup to Improve Range in Electric Vehicles	
6.	Mr.Dinesh Mr.Mathivanan AP/MECH	Electro Motorized Mechanical Stirrer Arrangement for Induction Furnace with Die setup	
7.	Mrs.Esther AP/PHARMA	Ecofriendly Pharmaceutical Packing Material for Laundry and Catheter Bags	
8.	Ms.D.Suja AP/PHARMA	Screening of Lichen Associated Symbionts for Antimicrobial Peptides Against Multi-Drug Resistant Bacterial Pathogens	
9.	Ms.S.Aswini AP/PHARMA	Formulation and Evaluation of a Novel Drug Dosage Form.	
10.	Mrs.Saravana Priya AP/MBA	Awareness level of Hospital Management System among Health Care Workers of Government Hospitals of Coimbatore DT	
11.	Mr.Elangovan AP/MBA	A study on Economic stability of Agriculture Communities in and around Tirupur District	
12.	Mrs.Sangeetha AP/MBA	The Craze of Social Media and Changes in Behavior Among College Students	

HINDUSTHAN INSTITUTE OF TECHNOLOGY, COIMBATORE-32

RESEARCH PROPOSAL

SEED MONEY SCHEME-2022-23

Selected list

S NO	NAME OF THE PI & Co-PI	DEPT	TITLE OF THE PROPOSAL	AMOUNT In Rs
1.	Dr.K.P.Dhanabalakrishnan Mr.M.Moses Devaprasanna	AERO	Design and Development of Low attitude medium Endurance hybrid Unmanned Aerial Vehicle	200000
2.	Dr.Arunprakash Mr.V.Ganesan		Design and Development of Air Pump-Driven Shock Tube	100000
3.	Mr.M.Viswanath Mr.S.Suresh AP/MECH	MECH	Generation of Electricity from Producer GAS	150000
4.	Mr.S.Manojkumar		Extraction of oil from Plastics using Catalytic pyrolysis method	150000
5.	Mrs.J.Shoba	S& H	Fabrication of Electrode Material for a super capacitor	200000
6.	Mrs.G.Kavipriya Mr.B.Manikandan	IT	Intelligent IOT enabled pipeline leakage detection and monitoring system using machine learning algorithm.	150000
7.	Mrs.R.Gnanakumari Mrs.S.Saranya	CSE	Stroke Disease Prediction using Deep learning model CNN and Bidirectional LSTM	100000
8.	Mr.K.Murugan		IOT Empowered Automatic Solar Grass Cutter machine	150000
9.	Mrs.M.Banupriya Ms.C.E.Rajaprabha		IoT based smart Crop Protection System for Agriculture	150000
10.	Dr.S.Ramasamy		Premature Finding and Analysis of Multi Disease from Healthcare Big Data in Cloud Environment Exhausting Amalgam Deep Learning Technique	100000



11.	Ms.D.Vidhya		AI -based localization and classification of skin disease with erythema	150000
12.	Mr.K.R.Kannan Dr.S.Kavitha	ECE	An Efficient Online Token/Ticket Vending System	150000
13.	Ms.A.S.Narmadha Mrs.S.Suganya		To develop a self-defense Foot device for Safety applications	150000
14.	Dr.A.Purushothaman Dr.K.Mahendran		To design a self Defense smart Device for child security monitoring system using IoT system	150000
15.	Ms.S.Ramya Ms.S.Brindha		Design and Implementation of compact UWB – WBAN microwave antenna for Early Breast Cancer Detection	200000
Total (Twenty Two Lakh Fifty Thousand Only)				2250000



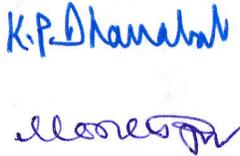
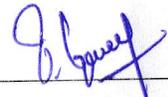
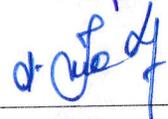
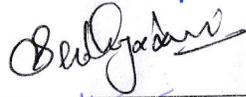
C.N.
PRINCIPAL

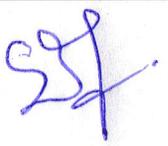
Dr. C. Natarajan, ME.Ph.D.,
PRINCIPAL
Hindusthan Institute of Technology
Coimbatore - 641 032.

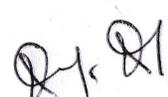
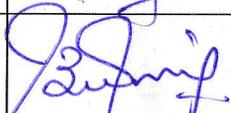
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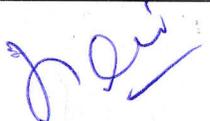
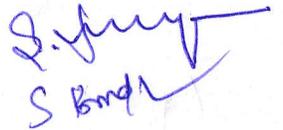
RESEARCH PROPOSAL-PRESENTATION SCHEDULE

(SEED MONEY SCHEME)-2022-23 DATE: 10.11.2022

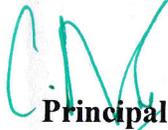
S NO	NAME OF THE PI	DEPT	TITLE OF THE PROPOSAL	PI Signature
1	Dr.K.P.Dhanabalakrishnan Mr.M.Moses Devaprasanna	AERO	Design and Development of Low attitude medium Endurance hybrid Unmanned Aerial Vehicle	K.P.Dhanabalakrishnan 
2	Dr.Arunprakash Mr.V.Ganesan AP/AERO		Design and Development of Air Pump-Driven Shock Tube	
3	Mr.M.S.Prabhu Mr.S.Tamilselvan AP/AERO		Implementation of Magnetic Gear Propulsion system in UAV	
4	Mr.S.Udayakumar Mr.R.V.Rangarajan AP/MECH	MECH	Automated Vehicle Causioning system Applied in a deep curves	
5	Mr.M.Viswanath Mr.S.Suresh		Generation of Electricity from Producer GAS	
6	Mr.S.Manojkumar		Extraction of oil from Plastics using Catalytic pyrolysis method	
7	Dr.K.M.Arunraja Mr.R.Selvendran AP/MECH		Design Develop and Analysis of Emission Control Chamber for Two Wheeler and Industrial Exhaust for pollution free Environment	

8	Mr.J.Dixon Jim Joseph Mr.P.Naveenkumar AP/MECH		Design and Develop a Portable Aquaponic system to conduct Performance studies on solar energy utilization pattern in Aquaponics	
9	Mrs.J.Shoba	S& H	Fabrication of Electrode Material for a super capacitor	
10	Dr.Anbumannan.V		Visible Photocatalytic ZnO based Tubular reactor	
11	Ms.S.Aswini	PHARMA	Prevention of Photolytic Degradation of drug Containers by Natural Dye Coating	
12	Ms.D.Saranya Dr.L.Vijayakumar AP/PHARMA HOD/PHARMA		Synthesis and Genomewide Analysis of Antimicrobial Peptides from Paramilioid Lichens against Drug-Resistant Bacterial Oathogens	
13	Mrs.G.Kavipriya Mr.B.Manikandan	IT	Intelligent IOT enabled pipeline leakage detection and monitoring system using machine learning algorithm	
14	Mr.D.Vimalkumar Mrs.G.Dhiya		An IoT based water conservation and distribution management system in smart cities	
15	Dr.S.Ramasamy		Premature Finding and Analysis of Multi Disease from Healthcare Big Data in Cloud Environment Exhausting Amalgam Deep	

16	Mrs.R.Gnanakumari Mrs.S.Saranya	CSE	Stroke Disease Prediction using Deep learning model CNN and Bidirectional LSTM	
17	Mr.K.Murugan		IOT Empowered Automatic Solar Grass Cutter machine	
18	Mrs.M.Banupriya Ms.C.E.Rajaprabha		IoT based smart Crop Protection System for Agriculture	
19	Mr.Biju Balakrishnan		Semantic Web Mining with latent Semantic Domain Clustered web user Application MAPS	
20	Ms.S.P.Lavanya Mr.Jeevanatham		Machine Learning Based Load Balancing Techniques for Cloud Computing	
21	Ms.D.Vidhya		AI -based localization and classification of skin disease with erythema	
22	Mrs.K.Kowsalya Ms.T.Sivamani		ECE	To design an automatic plant growing Mechanism using IOT Technology
23	Mr.K.R.Kannan	An Efficient Online Token/Ticket Vending System		
24	Dr.K.Mahendran	Ployhouse Environment Monitoring System using Sensor Network Based on IoT		

25	Ms.A.S.Narmadha Mrs.S.Suganya		To develop a self defense Foot device for Safety applications	
26	Dr.A.Purushothaman		To design a self Defense smart Device for child security monitoring system using IoT system	
27	Mr.A.Vidhyasekar Mr.R.Karuppusamy		Smart Farming using IoT, A solution for optimally monitoring Farming Conditions	
28	Ms.S.Ramya Ms.S.Brindha		Design and Implementation of compact UWB – WBAN microwave antenna for Early Breast Cancer Detection	


Research Co-Ordinator


Principal