



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 hereby informed that the following faculty members are nominated for **Research Cell Committee** of this institution for the year 2023-2024.

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/ECE	96291 83233	hitece2013@gmail.com
3.	Dr.K.Mahendran	Coordinator/Member	Associate Professor /ECE	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.M.Durai Pandian	Member	HOD/IT	9994144286	duraipandian.hodit@hit.edu.in
7.	Dr.L.Vijayakumar	Member	HOD/Pharma	9442982665	dr.vijakumar@hit.edu.in
8.	Dr.S.Ramasamy	Member	ASP/IT	7708423255	ramasamy.s@hit.edu.in

9.	Dr.S.Sivakumar	Member	AP/S&H	9865553361	dr.sivakumar@hit.edu.in
10.	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//2023-2024/001

19.07.2023

CIRCULAR

It is hereby informed that the Research advisory committee meeting is scheduled on 01.08.2023 @ 11.30 AM at board Room. The research advisory committee members are requested to attend the meeting without fail.


PRINCIPAL
19.7.23

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.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.S.Ramasamy ASP/IT	Member	S.R.
7.	Dr. L.Vijayakumar HOD/PHARMA	Member	L.V.
8.	Dr. D.Prakash Asst Prof/Physics	Member	D.P.
9.	Dr. R.Sivakumar Asst Prof/ Chemistry	Member	R.S.
10.	Dr. K.Mahendran Associate Prof./ ECE	Coordinator/Member	K.M.

HINDUSTHAN INSTITUTE OF TECHNOLOGY
COIMBATORE
RESEARCH CELL

01.08.2023


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.S.Ramasamy ASP/IT	Member
7.	Dr. L.Vijayakumar HOD/PHARMA	Member
8.	Dr. D.Prakash Asst Prof/Physics	Member
9.	Dr. R.Sivakumar Asst Prof/ Chemistry	Member
10.	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.
4. The committee has insisted that 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.

5. The Chairman of the board has motivated the members and other faculty members to apply for patent for the project and research works they have completed.
6. The Chairman of the board has motivated the members and other faculties to apply for consultancy projects and researches.
7. All the faculty members are instructed to motivate the students for enroll the more online courses/NPTEL.
8. All the faculty members are instructed to motivate the students for extra and co curricular activities.
9. The Chairman has motivated the members and encourage faculty members to get actively involved in the research activities and also apply research grant for various research grants.


Principal
1-8-23

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	bp
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.D.
6.	Dr.S.Ramasamy ASP/IT	Member	S.R.
7.	Dr. L.Vijayakumar HOD/PHARMA	Member	L.V.
8.	Dr. D.Prakash Asst Prof/Physics	Member	D.P.
9.	Dr. R.Sivakumar Asst Prof/ Chemistry	Member	R.S.
10.	Dr. K.Mahendran Associate Prof./ ECE	Coordinator/Member	K.M.



HINDUSTHAN INSTITUTE OF TECHNOLOGY
COIMBATORE- 641032



RESEARCH CELL COMMITTEE

ACTION TAKEN REPORT

DATE :08.08.2023

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	Motivate the students for enroll the more online courses/NPTEL	All faculty members are informed and they are active in this regard.
4	Motivate the students for extra and co curricular activities	All faculty members are informed and they are active in this regard.
5	Encourage faculty members to get actively involved in the research activities and also apply research grant for various research grants.	Faculty members are involved to apply various Research grants like DST,ICSSR,SERB etc.

Copy To:

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

C.M.
Principal
8.8.23



HINDUSTHAN INSTITUTE OF TECHNOLOGY
COIMBATORE – 641 0 32



RESEARCH CELL COMMITTEE

The following members are attended the **Research Cell Committee** for the academic year **2023-2024** held on **08.08.2023** 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.S.Ramasamy ASP/IT	Member	
7.	Dr. L.Vijayakumar HOD/PHARMA	Member	
8.	Dr. D.Prakash Asst Prof/Physics	Member	
9.	Dr. R.Sivakumar Asst Prof/ Chemistry	Member	
10.	Dr. K.Mahendrakan Associate Prof./ ECE	Coordinator/Member	

HINDUSTHAN INSTITUTE OF TECHNOLOGY

RESEARCH CELL

CIRCULAR

Ref: HITECH/Research Cell//2023-2024/002

17.08.2023

It is hereby informed that the last date for submission of Project proposal for seed money is **14.09.2023**. 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.

Copy To:

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


PRINCIPAL
17.8.23



HINDUSTHAN INSTITUTE OF TECHNOLOGY

(An Autonomous Institution, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai, Accredited with "A" Grade by NAAC)

Valley Campus, Pollachi Main Road, Coimbatore 641 032.

RESEARCH CELL

Ref.No: HITECH/Research Cell/2023-24/003

Date: 12.09.2023

CIRCULAR

It is hereby informed that the HITECH seed money (2023-24) Presentation will be scheduled on 21.09.2023 & 22.09.2023. The principal investigators of the project should present before the research advisory committee @ board room on your scheduled date. The guidelines for seed money project presentation & Principal Investigators Lists are attached for your kind reference.


RESEARCH CELL CO-ORDINATOR


PRINCIPAL




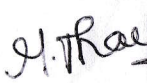


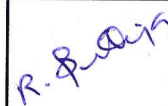
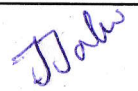
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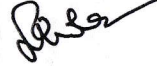
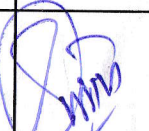


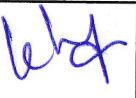
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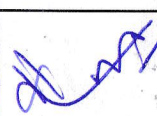


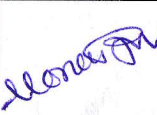
1. Guidelines for Seed Money Project Presentation
2. PI List with Presentation Date.

HINDUSTHAN INSTITUTE OF TECHNOLOGY- COIMBATORE-32


SEED Money 2023-2024

S.No.	Name of the Department	Project Title	Nmae of the Principle Investigator	Nmae of the Co-Investigator	Signature
1	MECH	Design, Development and Analysis of Emission Control Chamber Towards CO2 Recovery	Mr.R. Selvendran Associate Professor	Mr.K V Ganesh Kumar Assistant Professor	
2		Experimental analysis and Training on Various materials in 3D Printer	Mr. J. Dixon Jim Joseph Assistant Professor	Mr.M.Viswanath Assistant Professor	
3	CSE	automation of Ticket fare Collection Through UPI: An Application Based Device	Mr. Biju Balakrishnan Assistant Professor	—	
4		Behave-Nets-An Edge Baesd Deep Learning Frameworks for an Effective Behahourial Analysis against Women Harrassments	Dr. M. Thangamani Professor	Mr.P.Suresh Kumar Assistant Professor	
5		Monitoring the Progress of Labour from Remote area using Medical IoT	Dr.D.Jayasutha Assistant Professor	—	
6		Outdoor Fire Detection Based IoT using LPWAN	Dr. N.B.Mahesh Kumar Associate Professor	Mr. D. Vikkiramapandian Assistant Professor	
7		Robotic Companies in Healthcare:Investigatethe role of Humaniod Robots in Augmenting Patient Well being	Dr.R.Senthilkumar Assistant Professor	Mr.M.Devendran Assistant Professor	
8		Performance Evaluation of Edge Network Services in Communication Networks	Mr.P.N. Periyasamy Assistant Professor	Mr.S.Tamizharasu Assistant Professor	

S.No.	Name of the Department	Project Title	Nmae of the Principle Investigator	Nmae of the Co-Investigator	Signature
9	S & H	ZnO nanoparticles-based tubular reactor for dye wastewater degraation under sunlight	Dr.V. Anbumannan Assistant Professor	—	
10		Preparation and Characterization of a Chitosan Modified Commposite for Photocatalytic Degradation of Industrial Wastewater	Dr.P.Saraswathi Associate Professor	—	
11		Design and Fabrication of Metal-Insulator-Semiconductor(MIS) Diodes	Dr.P.Vivek Assistant Professor	—	
12		A Facile Approach to Synthesize Metal Decorated Multi Walled Carbon Nano Tubes	Mrs.J.Shoba Assistant Professor Dr.K.Sakthivel Professor	—	
13	ECE	Solar Powered Napkin Dispensor for Rural Government Girls School	Dr.S.Kavitha Professor	Mr.K R Kannan Assistant Professor	
14		IoT Enabled Smart Garbage and Street Light Monitoring with Air Pollution Control System for Smart Cities	Mr.A.Vidhyasekar Assistant Professor	Mr.A.Abdul Hayum Mr.R.Karuppusamy Assistant Professor	
15		ACL Injury Smart Indicator Using IoT for Athletes	Mr.A.Abdul Hayum Assistant Professor	Mr.A.Vidhyasekar Mr.R.Karuppusamy Assistant Professor	
16		Hybrid Solar Charging for Electric Vehicles(Evs) on National Highway	Mrs. S.Kowsalya Assistant Professor	—	

S.No.	Name of the Department	Project Title	Nmae of the Principle Investigator	Nmae of the Co-Investigator	Signature
17	ECE	Development of Electronic Narrator Cum Writer for Visually Impaired People	Mrs.K.Kalpana Associate Professor	—	
18		Multifunctional Smart Robot for Military Applications	Mr.R.Karuppusamy Assistant Professor	Mr.A.Vidhyasekar Mr.A.Abdul Hayum Assistant Professor	
19		Improvement of Monitoring and Regulatory system for Cardiorespiratory signals using sensors and IoT based Technique.	Dr.K.Mahendran Associate Professor	Dr.A.Purushothaman Associate Professor	
20	AERO	Design and development of demonstrative prototype for thermoacoustic energy conversion	Mr.M.Moses Devaprasanna Assistant Professor	Mr.V.Ganesan Assistant Professor	


RESEARCH COORDINATOR


PRINCIPAL
22.9.23

HINDUSTHAN INSTITUTE OF TECHNOLOGY- COIMBATORE-32

Short listed SEED Money Project 2023-2024

S.No.	Name of the Department	Project Title	Nmae of the Principle Investigator	Nmae of the Co-Investigator	Status
1	MECH	Design, Development and Analysis of Emission Control Chamber Towards CO2 Recovery	Mr.R. Selvendran Associate Professor	Mr.K V Ganesh Kumar Assistant Professor	Short Listed
2	CSE	Monitoring the Progress of Labour from Remote area using Medical IoT	Dr.D.Jayasutha Assistant Professor	—	Short listed for Re-Presentation with Novelty
3		Outdoor Fire Detection Based IoT using LPWAN	Dr. N.B.Mahesh Kumar Associate Professor	Mr. D. Vikkiramapandian Assistant Professor	Short listed for Re-Presentation with Novelty
4		Robotic Companies in Healthcare:Investigatethe role of Humaniod Robots in Augmenting Patient Well being	Dr.R.Senthilkumar Assistant Professor	Mr.M.Devendran Assistant Professor	Short Listed
5	S & H	ZnO nanoparticles-based tubular reactor for dye wastewater degration under sunlight	Dr.V. Anbumannan Assistant Professor	—	Short Listed
6		Preparation and Characterization of a Chitosan Modified Commposite for Photocatalytic Degradation of Industrial Wastewater	Dr.P.Saraswathi Associate Professor	—	Short Listed
7		A Facile Approach to Synthesize Metal Decorated Multi Walled Carbon Nano Tubes	Mrs.J.Shoba Assistant Professor Dr.K.Sakthivel Professor	—	Short Listed

Dr. B. Paul
Head/EE
(Dr. B. Paul)



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

8	ECE	Solar Powered Napkin Dispensor for Rural Government Girls School	Dr.S.Kavitha Professor	Mr.K R Kannan Assistant Professor	Short Listed
9		ACL Injury Smart Indicator Using IoT for Athletes	Mr.A.Abdul Hayum Assistant Professor	Mr.A.Vidhyasekar Mr.R.Karuppusamy Assistant Professor	Short Listed
10		Hybrid Solar Charging for Electric Vehicles(Evs) on National Highway	Mrs. S.Kowsalya Assistant Professor	—	Short listed for Re-Presentation with Novelty
11		Development of Electronic Narrator Cum Writer for Visually Impaired People	Mrs.K.Kalpana Associate Professor	—	Short listed for Re-Presentation with Novelty
12		Multifunctional Smart Robot for Military Applications	Mr.R.Karuppusamy Assistant Professor	Mr.A.Vidhyasekar Mr.A.Abdul Hayum Assistant Professor	Short Listed
13		Improvement of Monitoring and Regulatory system for Cardiorespiratory signals using sensors and IoT based Technique.	Dr.K.Mahendran Associate Professor	Dr.A.Purushothaman Associate Professor	Short Listed
14	AERO	Design and development of demonstrative prototype for thermoacoustic energy conversion	Mr.M.Moses Devaprasanna Assistant Professor	Mr.V.Ganesan Assistant Professor	Short Listed

CB. Thangam
RESEARCH COORDINATOR
Dr. B. PAULCHAMY.
Head ECE



C.N.V.
PRINCIPAL
22/9/23
Dr. C. Natarajan, ME.Ph.D.,
PRINCIPAL
Hindusthan Institute of Technology
Coimbatore - 641 032.

HINDUSTHAN INSTITUTE OF TECHNOLOGY
COIMBATORE
RESEARCH CELL

SEED money Presentation Attendance Sheet 21.09.2023

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.B.
4.	Dr.S.R.Rajabalayanan HOD/MECH	Member	S.R.R.
5.	Dr.M.Durai Pandian HOD/IT	Member	M.D.P.
6.	Dr.S.Ramasamy ASP/IT	Member	S.R.
7.	Dr. L.Vijayakumar HOD/PHARMA	Member	L.V.
8.	Dr. D.Prakash Asst Prof/Physics	Member	D.P.
9.	Dr. R.Sivakumar Asst Prof/ Chemistry	Member	R.S.
10.	Dr. K.Mahendran Associate Prof./ ECE	Coordinator/Member	K.M.

HINDUSTHAN INSTITUTE OF TECHNOLOGY

RESEARCH CELL

RE-PRESENTATION

SNO	DEPT	DATE	TIME NAME OF THE PI	TITLE OF THE PROPOSAL
1	CSE	28.9.2023	Dr.D.Jayasutha Assistant Professor	Monitoring the Progress of Labour from Remote area using Medical IoT
2			Dr. N.B.Mahesh Kumar Associate Professor	Outdoor Fire Detection Based IoT using LPWAN
3			Mr. Biju Balakrishnan Assistant Professor	automation of Ticket fare Collection Through UPI: An Application Based Device
4	ECE		Mrs.K.Kalpana Associate Professor	Development of Electronic Narrator Cum Writer for Visually Impaired People
5			Mrs.K.Kowsalya Associate Professor	Hybrid Solar Charging for Electric Vehicles(EVS) on National Highway

Bahung
for

C.N.G.
PRINCIPAL
22/9/23

HINDUSTHAN INSTITUTE OF TECHNOLOGY
COIMBATORE
RESEARCH CELL

SEED money Presentation Attendance Sheet 28.09.2023

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.B.
4.	Dr.S.R.Rajabalayanan HOD/MECH	Member	S.R.R.
5.	Dr.M.Durai Pandian HOD/IT	Member	M.D.P.
6.	Dr.S.Ramasamy ASP/IT	Member	S.R.
7.	Dr. L.Vijayakumar HOD/PHARMA	Member	L.V.
8.	Dr. D.Prakash Asst Prof/Physics	Member	D.P.
9.	Dr. R.Sivakumar Asst Prof/ Chemistry	Member	R.S.
10.	Dr. K.Mahendran Associate Prof./ ECE	Coordinator/Member	K.M.