



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 2021-2022.

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.P.T.Saravanakumar	Member	HOD/AUTO	9488383900	ptssaravanakumar@hit.edu.in
8.	Dr.L.Vijayakumar	Member	Head of the Department/Pharama	9442982665	dr.vijakakumar@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//2021-2022/001

04.09.2021

CIRCULAR

It is hereby informed that the Research advisory committee meeting is scheduled on 10.09.2021 @ 10.00 AM at board Room. The research advisory committee members are requested to attend the meeting without fail.


PRINCIPAL
4.9.21

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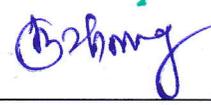
1. The Principal
2. IQAC
3. All the members of Research Advisory Committee Committee
4. File Copy

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	
2.	Dr. B.Paulchamy, HOD/ECE	Member Secretary	
3.	Dr. A.Jameer Basha, HOD/CSE	Member	
4.	Dr.S.Rajabalayanan HOD/MECH	Member	
5.	Dr. P.T.Saravanakumar, HOD/AUTO	Member	
6.	Dr.K.M.Arunraja, AP/MECH	Member	
7.	Dr.S.Lokesh, Asso Prof/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	Member	

HINDUSTHAN INSTITUTE OF TECHNOLOGY

COIMBATORE

RESEARCH CELL

10.09.2021

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.

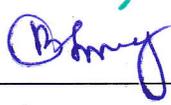
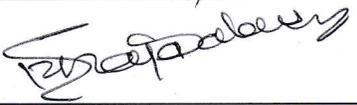
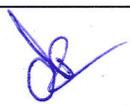
SNO	NAME	Designation
1.	Dr. C.Natarajan, Principal	Chairman
2.	Dr. B.Paulchamy, HOD/ECE	Member Secretary
3.	Dr. A.Jameer Basha HOD/CSE	Member
4.	Dr.S.Rajabalayanan HOD/MECH	Member
5.	Dr. P.T.Saravanakumar, HOD/AUTO	Member
6.	Dr.K.M.Arunraja AP/MECH	Member
7.	Dr.S.Lokesh Asso Prof/CSE	Member
8.	Dr. L.Vijayakumar 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	Member
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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.
8. All the faculty members are instructed to motivate the students for extra and co curricular activities.
9. The Chairman has asked the members of the board to short list the best student project and take it to the next level of applying for patents and promoting as start ups.


Principal

HINDUSTHAN INSTITUTE OF TECHNOLOGY
COIMBATORE
RESEARCH CELL
Attendance Sheet

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.Rajabalayanan HOD/MECH	Member	
5.	Dr. P.T.Saravanakumar, HOD/AUTO	Member	
6.	Dr.K.M.Arunraja, AP/MECH	Member	
7.	Dr.S.Lokesh, Asso Prof/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	Member	



HINDUSTHAN INSTITUTE OF TECHNOLOGY

COIMBATORE- 641032



RESEARCH CELL COMMITTEE

ACTION TAKEN REPORT

DATE :15.09.2021

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.	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.

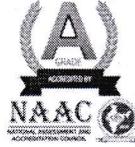

Principal
15-9-21

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 **2021-2022** held on **15.09.2021 at 10.00 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.Rajabalayanan HOD/MECH	Member	
5.	Dr. P.T.Saravanakumar, HOD/AUTO	Member	
6.	Dr.K.M.Arunraja, AP/MECH	Member	
7.	Dr.S.Lokesh, Asso Prof/CSE	Member	
8.	Dr. L.Vijayakumar, HOD/PHARMA	Member	
9.	Dr. D.Prakash, Asst Prof/Physics	Member	
10.	Dr. R.Sivakumar,	Member	

	Asst Prof/ Chemistry		
11.	Dr. K.Mahendran, Associate Prof./ ECE	Member	

HINDUSTHAN INSTITUTE OF TECHNOLOGY

RESEARCH CELL

CIRCULAR

Ref: HITECH/Research Cell//2021-2022/002

12.10.2021

It is hereby informed that the last date for submission of Project proposal for seed money is **26.11.2021**. 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.


PRINCIPAL
12.10.21

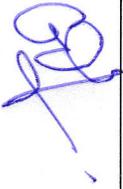
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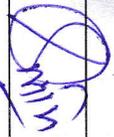
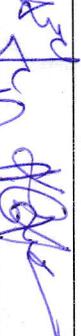
HINDUSTHAN INSTITUTE OF TECHNOLOGY, COIMBATORE-32

RESEARCH PROPOSAL

(SEED MONEY SCHEME)-2021-22

S NO	DEPT	DATE	NAME OF THE PI	TITLE OF THE PROPOSAL	Signature of the PI
1	CSE	13.12.2021	Ms.R.Subhalakshmi	Automatic Segmentation and Classification of Covid-19 Ct Image Using Dual Branch Combination Network (DCN)	
2			Ms.R.Priyadharsini	Augumented Reality Assisted Cognitive Healthcare To Enhance Efficiency Using Machine Learning	
3			Ms.P.Gomathi	Incremental Machine Learning With Semantic Segmentation for Lung Cancer Diagnosis	
4			Dr.Kala	Brain Tumor Detection Using Deep Convolutional Neural Network and Its Applications Using FPGA Implementation	
5			Ms.Benazir Begam	A Hybrid Approach for Heart Disease Diagnosis and Prediction Using Machine Learning Techniques	

6			Ms. Jeevetha	Intelligent Support System for Diagnosis Of Covid-19 and Captioning Of X-Ray Images Using LSTM and RNN with Explainability	
7			Mr. R. Senthil Kumar	Diagnosis of Diabetic Retinopathy Using Convolution Neural Network Architecture Through Classification and Progression Prediction of Lesions Grading in Color Fundus Images of Retina.	
8	IT	13.12.2021	Mrs. Kavipriya	Force-Vision Sensor Fusion Improves Learning-Based Approach for Automatic Door Pulling	
9			Mr. Manikandan	Machine Learning based data analytics for IoT enabled Industry Automation	
10	ECE	14.12.2021	Ms. R. Priyadharsini	Mapping Water Layers with Georadar.	
11			Mr. B. Hakkem	To design a Self Defense Smart Device for Women's Safety from Abusing and Harassment.	
12			Mr. A. Abdul Hayum	Developing Intelligent Blindspot Detection and Accident Prevention System for Drivers.	
13			Dr. S. Chinnapparaj	Designing of AI based Health Monitoring and Fall Detection System for Old People.	
14			Mr. M. Vignesh	FPGA Implementation of Medical Image Fusion for Lung Disease Detection.	

15			Dr. V. Suresh Babu	IOT based Facial Mask and temperature Detection using Thermal Image Processing.	
16			Dr. S. Kavitha	Smart Gadget for Women Safety using IOT.	
17			Mr. K. R. Kannan	An Efficient online Student Tracking System	
18			Dr. K. Mahendrakani	Emergency Aware Access Control Framework for Implantable Medical Device and Proposed System for Secure Connection with External Devices.	
19			Ms. S. Brindha	Vehicle Networking using Intelligent Wireless Nodes.	
20			S. Harrish	Telescope-An Investigate Tool in Astronomy	
21			Mr. Arunprakash	Design and Development of Hybrid Outdoor Air Purifier Unit	
22	AERO	14.12.2021	Mr. M. S. Prabhu	Design and Development of a Small scale Thrust Test Stand for Rocket motor and Propeller	
23			Mr. Maheswaran	Numerical Investigation of Flow Field Characteristics of Cavity in a Strut Based Scramjet Combustors	
24	MECH		Mr. Jevarathinam Mr. Ganeshkumar	Wind Power Generator setup to Improve Range in Electric Vehicles	
25		15.12.2021	Mr. Dinesh Mr. Mathivanan	Electro Motorized Mechanical Stirrer Arrangement for Induction Furnace with Die setup	

26			Mrs. Esther	Ecofriendly Pharmaceutical Packing Material for Laundry and Catheter Bags	
27	PHARM A	15.12.2021	Ms.D.Suja	Screening of Lichen Associated Symbionts for Antimicrobial Peptides Against Multi-Drug Resistant Bacterial Pathogens	
28			Ms.S.Aswini	Formulation and Evaluation of a Novel Drug Dosage Form.	
29			Mrs.Saravana Priya	Awareness level of Hospital Management System among Health Care Workers of Government Hospitals of Coimbatore District	
30	MBA	15.12.2021	Mr.Elangovan	A study on Economic stability of Agriculture Communities in and around Tirupur District	
31			Mrs.Sangeetha	The Craze of Social Media and Changes in Behavior Among College Students	

Research Cell Coordinator



Principal



HINDUSTHAN INSTITUTE OF TECHNOLOGY, COIMBATORE-32

RESEARCH SEED MONEY PROPOSAL SELECTED LIST

Academic Year 2021-22

SNO	DEPT	NAME OF THE PI & CO-PI	TITLE OF THE PROPOSAL	AMOUNT In Rs
1.	CSE	Ms.R.Subhalakshmi	Automatic Segmentation and Classification of Covid-19 Ct Image Using Dual Branch Combination Network (DCN).	2,04,000
2.		Mr.R.Arun	Brain Tumor Detection Using Deep Convolutional Neural Network and Its Applications Using FPGA Implementation.	2,00,000
3.		Mr.R.Senthikumar	Intelligent Support System for Diagnosis Of Covid-19 and Captioning Of X-Ray Images Using LSTM and RNN with Explainability.	2,35,000
4.	IT	Mr.B.Manikandan	Machine Learning based data analytics for IoT enabled Industry Automation.	1,00,000
5.	ECE	Mr.B.Hakkem	To design a Self Defense Smart Device for Women's Safety from Abusing and Harassment.	2,00,000
6.		Dr.S.Chinnapparaj Mr.A.Abdul Hayum	Designing of IOT based Health Monitoring and Fall Detection System for Old People.	2,20,000
7.	AERO	Mr.J.Arunprakash Mr.V.Ganesan	Design and Development of Hybrid Outdoor Air Purifier Unit.	1,50,000
8.		Mr.M.S.Prabhu	Design and Development of a Small scale Thrust Test Stand for Rocket motor and Propeller	1,50,000
9.	MECH	Mr.A.Jeevarathinam Mr.K.V.Ganeshkuma	Wind Power Generator setup to Improve Range in Electric Vehicles.	2,00,000
10.		Mr.N.Dinesh Mr.S.Mathivanan	Electro Motorized Mechanical Stirrer Arrangement for Induction Furnace with Die setup.	2,00,000
11.	PHARMA	Mrs.J.Esther Hellan Prasanna	Ecofriendly Pharmaceutical Packing Material for Laundry and Catheter Bags.	1,50,000
12.	MBA	Mrs.M.Saravana Priya	Awareness level of Hospital Management System among Health Care Workers of Government Hospitals of Coimbatore DT.	1,00,000
Total				21,09,000



C.N.
PRINCIPAL

Dr. C. Natarajan, ME.Ph.D.,
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Coimbatore - 641 032.