



**VELAMMAL**  
**INSTITUTE OF TECHNOLOGY**

Chennai - Kolkatta Highway, Panchetti, Ponneri



INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of HRD Initiative)

## Research and Development Cell (R & D)

S.No	Description	Content	Link to the Supporting Documents
1	Research Centre Approval	CFR Approval, Supervisor & Ph D scholars details	<a href="#">View Document</a>
2	Research Policy	Research Policy Documents	<a href="#">View Document</a>
3	R & D Documents	R & D details- Funded Projects, Product Development, Activities	<a href="#">View Document</a>

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# Centre For Research

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## MANAGEMENT



## DEPT./R&D CENTRE RENEWAL



Institute/R&D Centre Name:  
**Velammal Institute of Technology,  
Thiruvallur**

Institute/R&D Centre No.: **1237**

E-mail:  
**principal@velammalitech.edu.in**

Mobile No.: **9486228337**

Website:  
**<https://velammalitech.edu.in/>**

**NARAYANAN BALAJI**

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## 1237 - Velammal Institute of Technology, Thiruvallur

### List of Recognized Supervisors with Recognized Institute/R&D Centre (Faculty of Information and Communication Engineering)

Show 10 entries

Search:

Sl.No	Ref. No	Name	Dept./Centre	Dept. No. / Organization	Faculty	E-Mail
1.	2440356	Dr.Sridevi B	Department of Electronics and Communication Engineering	4123707 - Velammal Institute of Technology,,Chennai	ice	aisveriya@yahoo.com
2.	2840053	Dr.Jothi Chitra R	Department of Electronics and Communication Engineering	4123707 - Velammal Institute of Technology,Panchetti, Chennai,Tiruvallur	Ice	sureshashika@gmail.com
3.	4140034	Dr.Sivarathinabala M	Department of Electronics and Communication Engine	4123707 - Velammal Institute of Technology,Chennai,Tiruvallur	Ice	sivarathinabala@gmail.com



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## 1237 - Velammal Institute of Technology, Thiruvallur

### List of Recognized Supervisors with Recognized Institute/R&D Centre (Faculty of Science and Humanities)

Show 10 entries

Search:

Sl.No	Ref. No	Name	Dept./Centre	Dept. No. / Organization	Faculty	E-Mail
1.	2170626	Dr.Sindhu V	Department of Physics	4271320 - Velammal Institute of technology,ponneri,Tiruvallur	science	-
2.	3870020	Dr.Saraswathy R	Department of Physics	4271320 - Velammal Institute of Technology, Ponneri Taluk, Chennai-601204	Science	saraswathykmu@gmail.com

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## 1237 - Velammal Institute of Technology, Tiruvallur

### List of Ph.D./M.S. Research Scholars (Faculty of Information and Communication Engineering)

Show  entries

Search:

Sl.No	Reg. No	Scholar Name	Supervisor Name / Ref.No. /Dept.No.	JS/RC/SI Name / Ref.No. /Dept.No.	Session & Year	Mode
1.	16144797327	Pradeep Kumar G	Dr.B Sridevi /2440356/ 4123707	Dr.K Kavitha/2940121/ 4598607	JUL-2016	Part-Time
2.	16244797183	Thenmozhi M	Dr.Sridevi B/2440356/ 4123707	-Nil-	JUL-2016	Part-Time
3.	24224991524	Durgadevi G	Dr.Sivarathinabala M/ 4140034/ 4123707	-Nil-	JAN-2024	Part-Time
4.	24244991501	Karthiga R	Dr.Jothi Chitra R/2840053/ 4123707	-Nil-	JAN-2024	Part-Time

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DEPARTMENT OF RESEARCH & DEVELOPMENT


SYSTEM OF POLICY

VELAMMAL INSTITUTE OF TECHNOLOGY,




CHENNAI 601204


Prepared by

  
Dr. B. SRIDEVI  
R&D HEAD


Reviewed By

  
Dr. S. SOUNDARARAJAN  
VICE PRINCIPAL

Reviewed By

  
Dr. N. BALAJI  
PRINCIPAL

Recommended  
by

  
SHRI M. VASU  
ADVISOR

Approved By

  
SHRI M.V.M. SASI KUMAR  
DIRECTOR

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## **RESEARCH AND DEVELOPMENT**

### **EXECUTIVE COMMITTEE MEMBERS**

1. Shri M.V.Muthuramalingam, Founder Chairman
2. Shri M.V.M. Sasi Kumar, Director
3. Shri K. Razak, Advisor
4. Shri M.Vasu, Advisor
5. Dr.N.Balaji, Principal
6. Dr.S.Soundararajan, Vice Principal
7. Dr.B.Sridevi, R & D Head

### **PREAMBLE**

Velammal Institute of Technology acknowledge the importance of research and development in the institution and formed a R&D cell to encourage and monitor research activities in several fields of science and engineering. The R&D cell promotes teachers and students to participate in sponsored research programs/projects funded by various funding bodies such as DST, CSIR, DSIR, UGC, AICTE, and others. Velammal Institute of Technology's R&D division plans joint research programmes with India's premier research laboratories and institutes. Throughout the academic year, each department is encouraged to participate in various research and consulting initiatives. The R&D cell will monitor the research activity of our Institution's many departments on a regular basis.

### **VISION**

To encourage research activities among students and Faculty members, as well as to provide a strong platform for exchanging/technology transfer and implementing unique and creative ideas for the socioeconomic development of society through the use of Science, Engineering, and Technology.

### **MISSION**

To promote, develop, and facilitate research and development through implementing cutting-edge research in collaboration with government funding agencies, Non-Governmental Organizations (NGOs), and the Private Sectors.

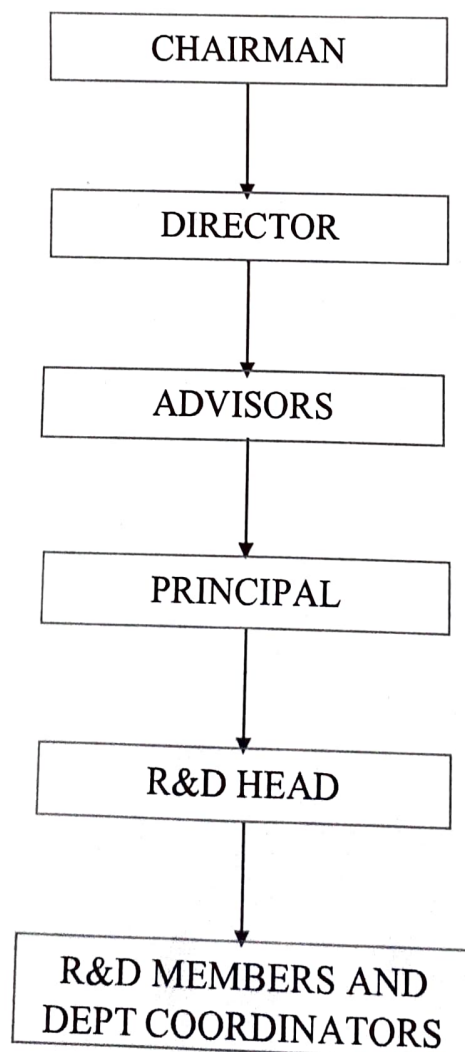
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## AIM & OBJECTIVES

- To establish an R&D culture at the Institute by promoting research awareness among teachers and students
- To provide a platform for sharing available research facilities.
- To improve researcher collaboration for multidisciplinary research.
- To promote Memorandums of Understanding (MOUs) with various industries, R&D organizations, and funding agencies that offer financing for research activities.
- To monitor the success of the Institution's research process and projects.
- To establish research thrust areas, promote research, evaluate, and disseminate research results.
- Create a micro project environment that can be converted into in-house projects. Also to promote product development through in house projects which can be applied for funding agencies.
- To establish approved R&D Center for all programmes

## RESEARCH AND DEVLEOPMENT COMMITTEE



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## **R&D Members**

1. Dr.B.Sridevi Professor & Head/ECE and R&D
2. Dr.B.Madhu Associate Professor
3. Dr.J.Nandha Gopal Associate Professor
4. Department R & D coordinators
5. Institute Innovation Council Head
6. Intellectual property Rights- KAPILA Institute Head
7. YUKTI Institute Head

## **ROLES**

### **a. MENTORING**

- Increasing research awareness among Faculty members and students.
- Assisting staff and students in determining the thrust area of study/latest technology in their respective field.
- Providing appropriate internal and external guidance including resources.
- Providing resources for the organization of FDPs, STTPs, Seminars, and Workshops, among other things.
- Providing orientation sessions in manuscript preparation and presentation for staff as well as students.
- Improving IPR.

### **b. MONITORING**

1. Examining the on-duty status of faculty members and students in research
2. Review the research process, grants received, and other associated activities.
3. Meeting frequency: twice in a month

## **Research & Development System of Policy (SOP)**

All the faculty members who are applying for R&D projects and grants, and all those who have obtained approval for their projects from various funding agencies shall follow the work procedure given herewith.

1. All Doctorates have to send minimum one proposal per semester till they get minimum one project sanctioned.
2. Assistant Professors have to publish minimum 1 peer reviewed research article indexed in Scopus/SCI per semester. Associate Professors and Professors have to publish minimum 2 research articles indexed in Scopus/SCI per semester.

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3. Associate Professors and Professors have to publish a minimum of two patents per year with institute as applicant and get the patent granted within two years of publication.
4. Every research proposal must be reviewed thoroughly by the PI / CO-PI themselves, then by the concerned HOD and Senior Professors in the department.
5. All applications of the R&D projects shall be routed through the R&D Head to Principal along with one hard copy for R&D records. A soft copy shall also be emailed to the Head R&D.
6. The P.I. and CO-PI can plan and apply in writing to the Head (R&D) for releasing the funds (towards, travel, contingency, consumables, books, technical assistance, hiring charges, etc. i.e. excluding the equipment cost and salary, if any) and R&D Head will forward the request to the Principal for approval. The Accounts Department shall immediately release the amount on receiving the sanction from the Principal. The PI shall settle the accounts, for the released amount on or before 31st of March every year.
7. The purchase committee for any research project shall comprise of Head (R&D), concerned HOD and PI/ Co-PI. Their role is to streamline the purchase requests and gauge its utility. Purchase of instruments, software, etc shall be approved by R&D cell and it will be forwarded to the Management through principal for final approval.
8. The PI shall also plan for purchase of equipments as per the existing purchase procedure of the institute. A minimum of three quotations are necessary for the equipments to be purchased. The only exception to this shall be proprietary items, where the PI has to submit a justification.
9. Principal Investigator and Co-Investigator shall ensure that the instruments, software, etc purchased are secured in the laboratory/ department.
10. In case the Principal Investigator leaves the institute the instruments, software etc whatever purchased shall remain as an asset of the institute.
11. Separate stock registers shall be maintained for all R&D as well as externally funded projects in every department.
12. All HODs must regularly update the R&D information and achievements of their departments in the R&D page on the institute website through R&D Head.
13. In case PI leaves the institute, the Co-PI shall be fully responsible to complete the project as per the guidelines of the concerned funding agencies.
14. If the PI is not in a position to continue the project, the PI shall utilize all the funds received as on date and submit the utilization certificate and progress report to the R&D Cell.
15. The PI/ Co PI shall complete the project by all means within the stipulated period and submit the audited statement of expenditure, utilization certificate and progress report to the concerned funding agency. A copy of all such documents shall also be submitted to the R&D Head for records.
16. R&D related bank account should be opened and operated as per the norms of funding agencies.

### Policy for Supporting R&D Activities:

#### **Research Publications**

- If a research paper is published based on his/her work in hard copy or in electronic form in a reputed / refereed international journal as recommended by the research board

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Incentive will be paid to the faculty member as indicated below:

- International Journals with Impact factor/SNIP  $\geq 2.00$  - Rs 8000
  - International Journals with Impact factor/SNIP  $\geq 1.00$  &  $< 2.00$  - Rs 6000
  - International Journals with Impact factor/SNIP  $\geq 0.2$  &  $< 1.00$  - Rs 3000
- When a research publication has multiple authors, the cash incentive shall be divided equally among the authors.
  - The publications will be considered only if they are affiliated to institute and indexed in Web of Science, Scopus, Humanities International Complete, EBSCO Host or Dare Database-International Social Sciences Directory.
  - If the paper is contributed by more than one author, the credit points will be shared by all the authors equally.

### Patents

Patent registration fees will be reimbursed by institute as per IPR norms only if institute is applicant. Same have to be paid back to institute by KAPILA scheme. Faculty will receive an Incentive of Rs 1000 for each patent publication and Rs 5000 for each grant as per IPR norms.

### Product development & Start-up

Every year Project Competition will be conducted by R&D Cell. Mentors of Winning projects will be eligible for receiving start up/product development grant of Rs 5000, which has to be utilised for prototype development or start up registration process.

### Publication of Books

Faculty members who have taken efforts to write and publish books, book chapters or monographs are encouraged and incentive will be given to the faculty member as indicated below.

Details	Published By	Amount
Full book with ISBN No.	Renowned international/National publisher	Rs 5000
Book chapters with ISSN no.	Renowned International/National Publisher and Indexed Proceedings	Rs 2000
*Curriculum related Monographs through Blog/ YouTube channel/ Mobile app	NA	Rs 1000

\* With minimum 100 subscribers for the channel/500 likes

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### Generation of Research Grants

- Faculty members are expected to submit proposals for research grants from funding agencies. It is quite likely, that these projects may involve modernization of laboratories, acquiring of equipment required specific to the research study or conducting of surveys etc.
- The incentive will be linked to the total amount of research grant sanctioned by the sponsoring agency. The incentive will be 5% of the research grant received from the funding agency.
- Since the amount being released in phases, the incentive(s) paid is also proportional to the amount received by the university.
- Seed money will be provided for funded project when the fund is delayed by the agency. It should be reimbursed by the PI's once the fund credited in the bank account.

### Undertaking Consultancy Projects

- If there is a substantial contribution by the faculty member and the staff in the consultancy project and no resources of the University (like laboratory, computer, software etc. utilized), the members involved in the consultancy project will take 60% of the total value of the consultancy amount received and 40% will go to the college.
- If the resource of the college such as laboratory facilities, computing facilities, drafting and other facilities are utilized in the consultancy project, the share of the college will be 75% of the total consultancy amount received and 25% will go to the faculty and other staff involved in the consultancy work.

### Presenting research papers at National & International Conferences

- For the faculty attending and presenting research paper in International conferences as a first author, the institute will pay the registration charges (maximum ceiling of Rs. 2000/- per paper) for presenting the paper as recommended by the research board of the college provided the conference is hosted by a reputed institution and its proceeding is Scopus indexed
- For the faculty attending and presenting a research a paper in international conference held in abroad, the Institute shall pay full registration fee, as recommended by the research board of the college, provided the conference is hosted by a reputed institution. The ceiling of faculty members will not apply when the travel expenses have been provided for in the research project. Preferably, such expenses should have been factored into the project/research grant.

### Faculty/Staff Development Programme (FDP):

- 20% Faculty are encouraged to attend FDP/STTP by giving on duty of maximum of one week. Registration 50% fees (maximum ceiling of Rs. 1000) can be reimbursed only when it is organized by Top 50 institutes of NIRF ranking. When the registration fee for FDP is free, 50% of travelling cost can be reimbursed (maximum ceiling of Rs. 1000).
- 50% of exam fees shall be reimbursed for faculty successfully completing NPTEL and other courses.

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**INSTITUTION'S  
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(Ministry of HRD Initiative)

## **Research and Development Cell**

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# VELAMMAL

## INSTITUTE OF TECHNOLOGY

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### INTRODUCTION:

To encourage research activities among students and Faculty members, as well as to provide a strong platform for exchanging/technology transfer and implementing unique and creative ideas for the socioeconomic development of society through the use of Science, Engineering, and Technology.

### OBJECTIVES:

- ❖ To encourage faculty members to pursue research in their interested areas.
- ❖ To motivate faculty members in publishing their innovative work in referred Journals.
- ❖ To entitle faculty members in receiving grants and funds from external agencies.
- ❖ To initiate all departments to setup research lab in their contemporary areas.
- ❖ To create a platform for higher studies and research among student community.
- ❖ To motivate the student community to submit their project proposal and receive funds from state/central Government agencies.
- ❖ To encourage the student community for carrying out research work in their interested areas

### R&D CELL ACTIVITIES:

- ❖ Organizing Hands-on training for writing Journal paper, Project proposal & Patent every year.
- ❖ Intimate the information about call for projects & Journals
- ❖ Guiding and supporting in preparing journal papers when it is contentful.
- ❖ Review the proposal with internal and external experts before submitting to funding agency
- ❖ Conducting Idea contest and Innovate project contest once in a year

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- ❖ Organizing meeting twice in a month with R&D coordinators
- ❖ Organizing meeting once in a month with all staffsdepartment wise. In that meeting Head of the Department have to present their R&D initiatives and achievements
- ❖ Through Kapila scheme, Patents will be supported and guided.
- ❖ Through YUKTHI scheme, best projects will be supported.
- ❖ Consolidating R&D documents every month.
- ❖ Monitoring the outcomes of final year project reviews.
- ❖ Organizing meeting with industries for consultancy projects.

## RESEARCH ADVISORY BOARD:

Name	Designation	Internal/External	Organization
Mr.S.Muthukrishnababu	Scientist-F	External	National Institute of Ocean Technology , Chennai
Mr.MuthuManickam	Scientist-G	External	CVRDE, Chennai
Dr.S.Krishnakumar	Senior Technical Officer	External	DRDO, Chennai
Dr.MithileyshSathiyarayanan	Founder CEO Scientist	External	MIT SQUARE, Chennai
Dr.M.Balasubramanyam	ICMR Emeritus Scientist	External	Madras Diabetes Research Foundation, Chennai
Mr.P.Nagarajan	Lead Consultant	External	Infosys Ltd, Chennai
Mr.C.Dinesh Kumar	Founder & CEO	External	Avian Aerospace Pvt Ltd, Chennai
Dr.N.Balaji	Principal	Internal	Velammal Institute of Technology, Chennai
Dr.B.Sridevi	R&D Head	Internal	Velammal Institute of Technology, Chennai
Dr.B.Madhu	R&D Coordinator	Internal	Velammal Institute of Technology, Chennai
Dr.J.Nandha Gopal	R&D Coordinator	Internal	Velammal Institute of Technology, Chennai

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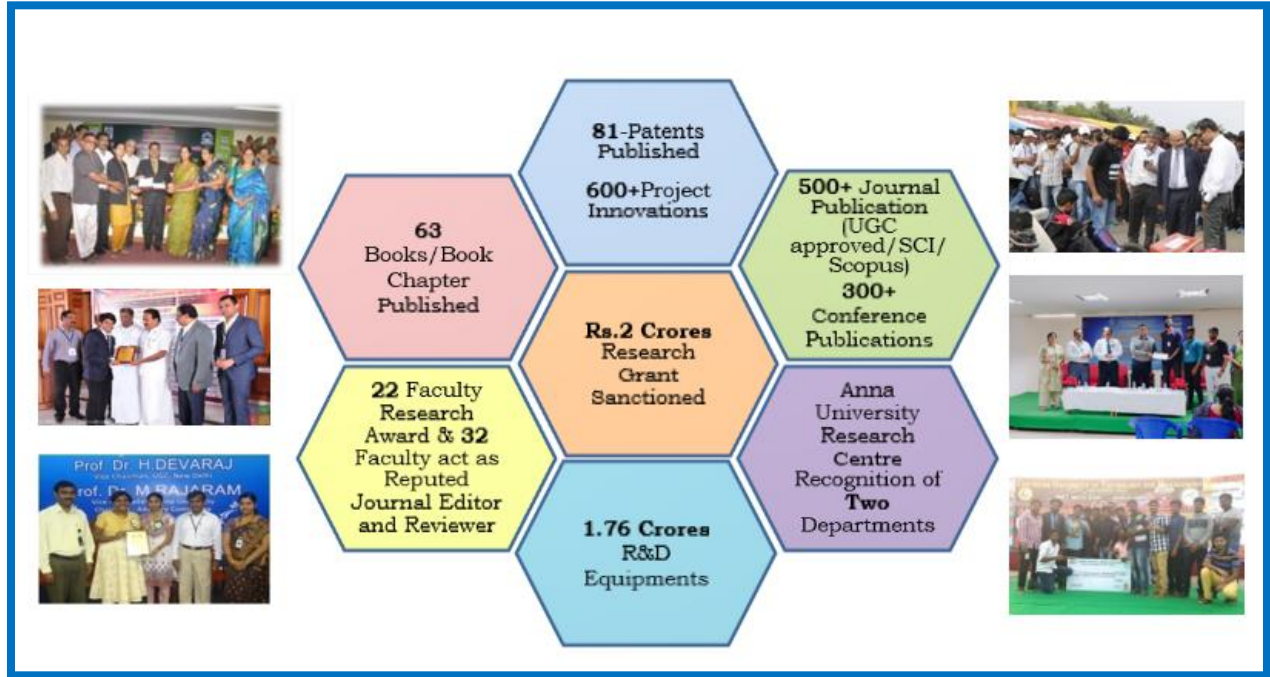


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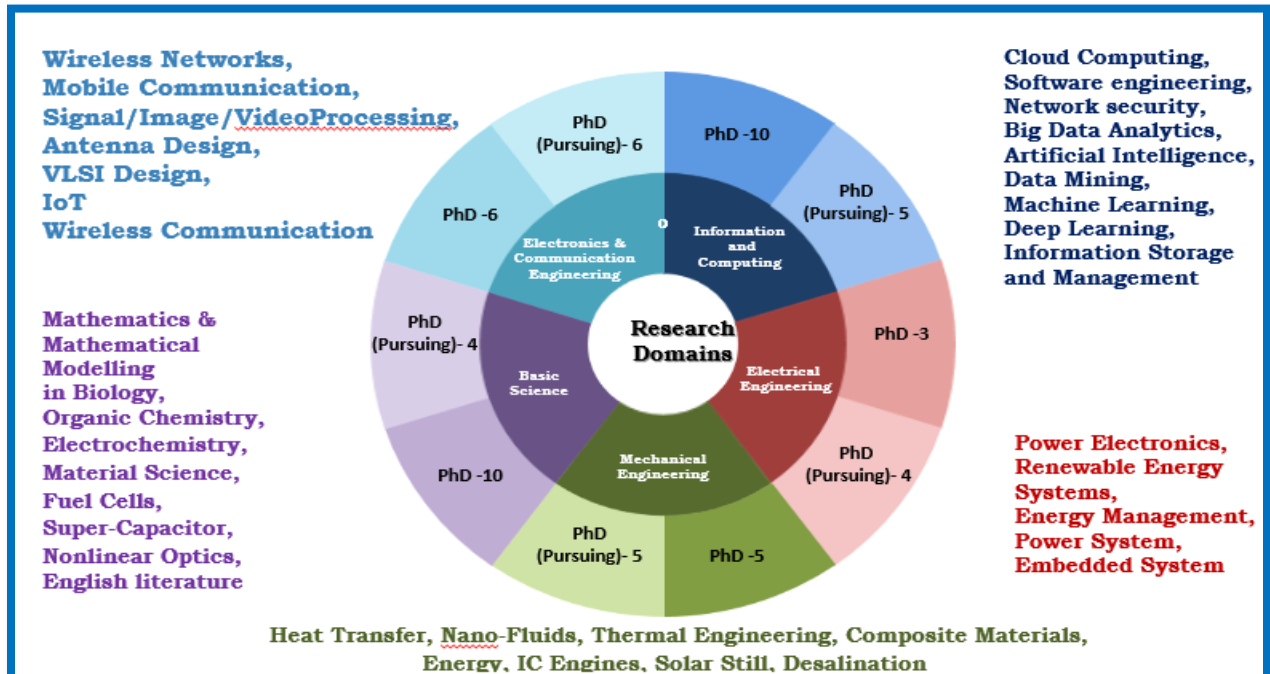
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## KEY RESEARCH ACHIEVEMENTS:



## DOMAIN WISE RESEARCHERS:

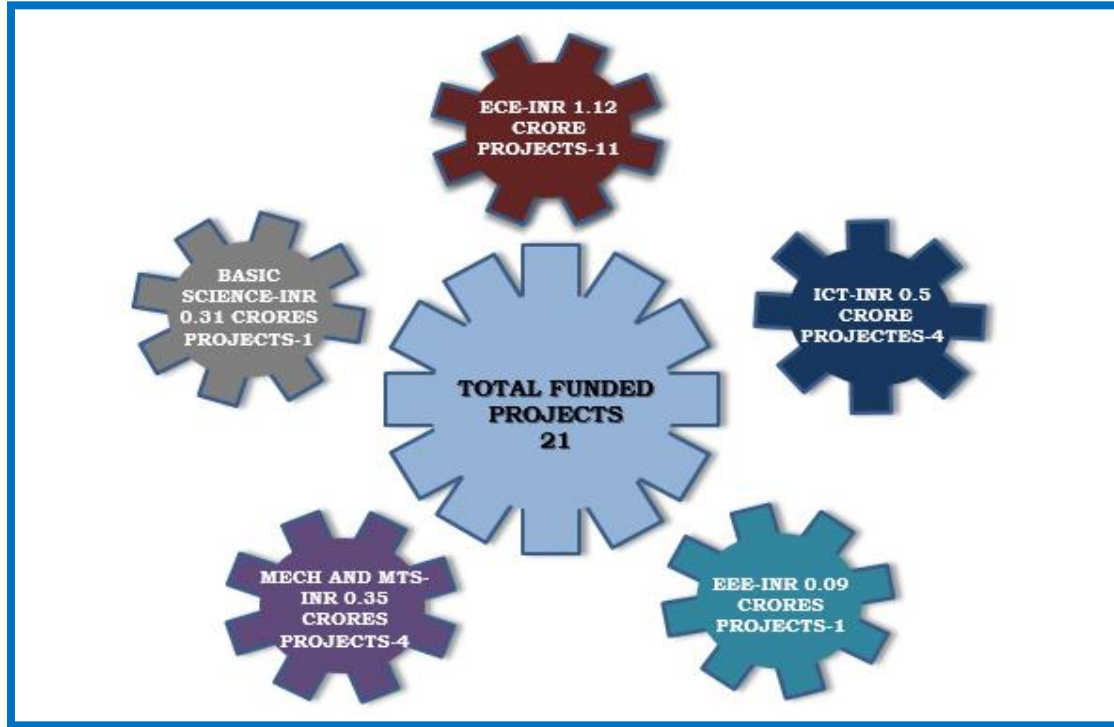


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## R & D FUNDED PROJECTS DOMAIN WISE CONTRIBUTION:



## MAJOR FUNDED RESEARCH/CONSULTANCY PROJECTS SANCTIONED:

Sl.no	Title of the project	Name of the Principal Investigator	Name of the funding agency	Amount sanctioned (Lakhs)
1	Long Endurance Battery operated Agriculture spray drone	Mr.Dinesh Kumar Chandhrasekaran, Dr.B.Sridevi	MSME	10.625
2	REDPAL- A wristwatch based Assistance for old age people	Dr.B.Sridevi	MSME	8.287
3	Automatic Vibro polishing system- a technique for automating the mechanical and chemical finishing of diverse shaped items	Mr.Giri.J, Dr.B.Madhu, Dr.D.MageshBabu	MSME	11.403

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4	A LASER stimulated touch responsive frame for Non-Touch screen Laptops	Dr.G.Shanmugaraj	MSME	4.676
5	Development of Automatic Agricultural Environment Monitoring System using Multi-Tier Wireless Sensor Networks in Tiruvallur District	Dr. R. Sugumar	DST	19.99351
6	Study on design of Electro Mechanical Steering Actuator for nose landing Gear of Rustom-II	Dr.G.Moorthy	CVRDE	9.97159
7	Aircraft Accident Avoider	Dr.K.Chinnusamy	TNSCST	0.075
8	“Digital Poompohar, Network Project on Digital Reconstruction of Underwater Heritage Site-Poompohar	Dr.B.Sridevi	Interdisciplinary Cyber Physical Systems -DST	30.76
9	A qualitative analysis into the barriers for policy implementation and creation of employment opportunities for persons with disabilities pwds living in rural villages of TiruvallurDist, Tamilnadu	Dr.B.Murugeswari	DST	19.43112
10	High performance of rare earth metal as Electrode material for super- capacitor application and fuel cell	Dr. V.Sindhu	Ministry of Mines	30.96944
12	Farmer to customer e-trade	Dr.K.Chinnusamy	TNSCST	0.075
13	Design of Pentagonal Fractal Wearable Antenna for soldier Location Tracking	Dr.R.JothiChitra	TNSCST	0.075
14	Small Vendor	Dr. V.P.Gladis Pusparathi	TNSCST	0.04

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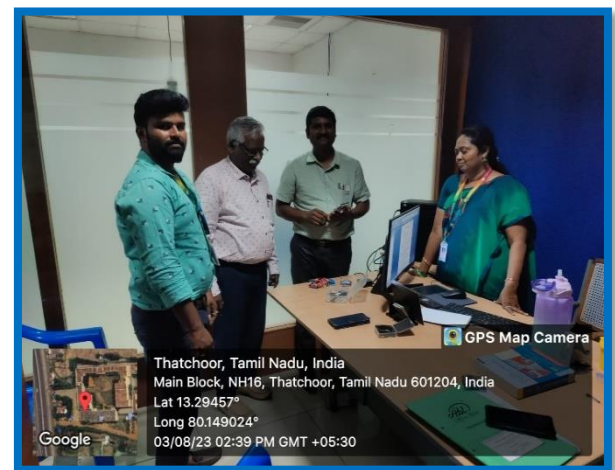
## MSME PROJECT DEMONSTRATION:



## A Laser stimulated touch responsive frame for non-touch screen laptops



## Long Endurance Battery Operated Agriculture Spray Drone



## REDPAL- A Wristwatch based assistance for old age people

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## HIGHLIGHTS OF MAJOR FUNDED PROJECTS:

### Digital Poompuhar ICPS Division-DST

The project involves processing videos from the Poompuhar region. The workflow includes frame conversion, denoising, dehazing, and image enhancement. The enhanced images are then used for 2D mosaicing and 3D reconstruction. The project is supported by the Government of India (Ministry of HRD Initiative).

### Automated Vibro polishing machine

#### PLC Automation Fabrication and Testing for Automated Vibro Polishing Machine

#### HIGHLIGHTS

- ✓ Mass finishing is becoming increasingly sophisticated in order to provide a high level of productivity, reliability and consistency of quality as demanded by industry.
- ✓ Here we integrate the operations like loading, washing, chemical dosing, finishing, separation and drying. The system can be controlled by PLC with detail process monitoring and controlling all aspects of the process.



## High Performance of Rare Earth Metal as Electrode Material for Supercapacitor Application and Fuel Cell

Funded by Ministry of Mines

### HIGHLIGHTS

- ✓ Electrode for Supercapacitor was prepared.
- ✓ Electrode from mono , di,tri and tetra composite were made.
- ✓ Cyclic study and charge discharge studies were done for different electrodes.
- ✓ Supercapacitor performance was compared to its solid state .
- ✓ Specific capacitance obtained was 329 F/g for liquid and for solid - 155 F/g.

Centrifuge



Electrochemical workstation



Deep freezer



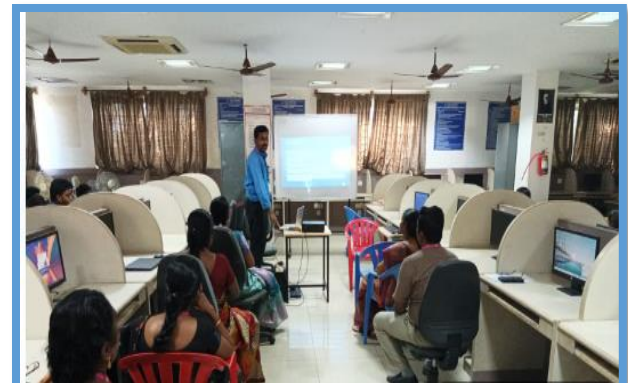
Ultrasonic bath



Hydrothermal Autoclave



### RESEARCH SEMINAR SESSION:



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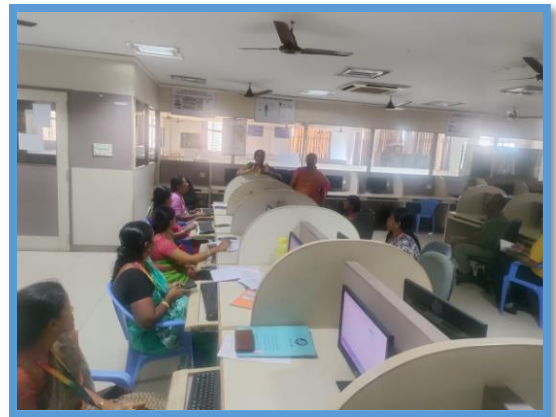


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## RESEARCH ARTICLE PREPARATION SESSION:



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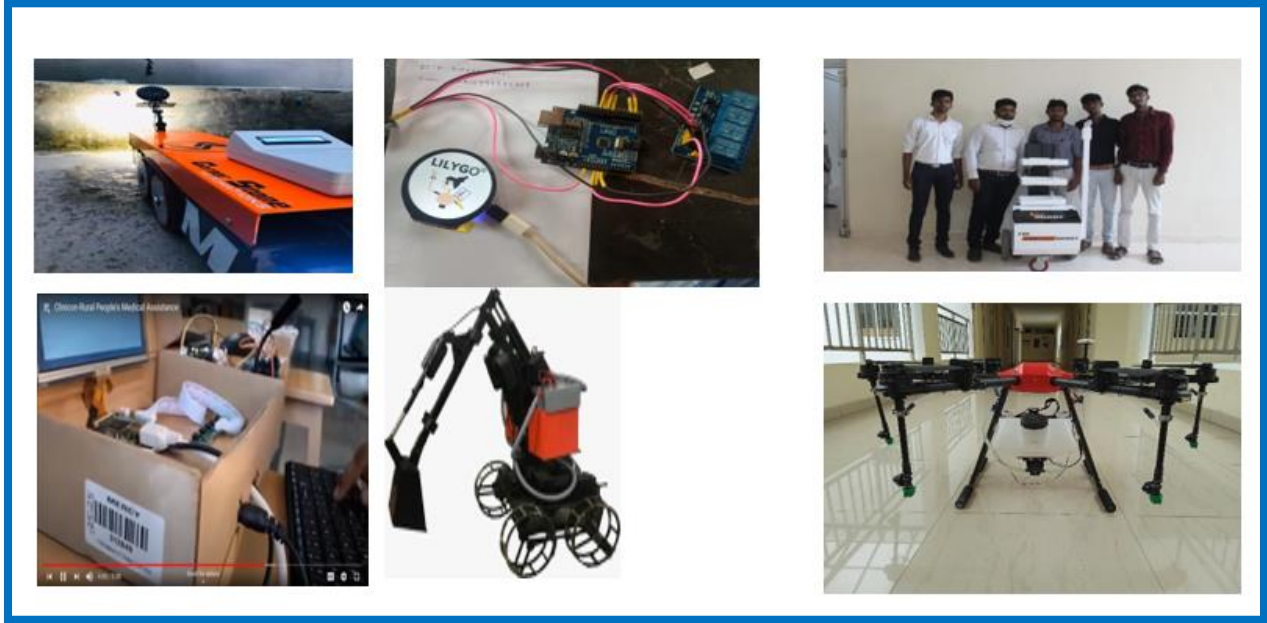


# VELAMMAL INSTITUTE OF TECHNOLOGY

Chennai - Kolkatta Highway, Panchetti, Ponneri



## PRODUCTS DEVELOPED IN VELAMMAL INSTITUTE OF TECHNOLOGY



## STUDENTS KEY ACHIEVEMENT-PRODUCT DEVELOPMENT:



Our IT student Aravindh Won First prize for the Event ShipWreck conducted by SRM Eswari Engineering College



Our IT student Aravindh Won First prize for the Event DIY Tech conducted by SRM Institute of Science and Technology



Our IT students Godwin, Aravindh, Ramesh Won First prize for the Event Start-up Lunch conducted by SRM Easwari Engineering College Chennai



IT students won special jury award worth Rs.25000 in SMART India Hackathon 2018



Raakesh P from III Year CSE received "Young Investigator Award" by IRnet Cochin



V. Prasanth of III CSE won "Best ASDF Student Award" from the Association of Scientists, Developers & Faculties

**NARAYANAN BALAJI**

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# VELAMMAL INSTITUTE OF TECHNOLOGY

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INSTITUTION'S  
INNOVATION  
COUNCIL  
(Ministry of HRD Initiative)

## STUDENTS PARTICIPATION AND PRIZE WINNERS (PRODUCT DEVELOPMENT)



Final year student Harikrishnan Developed Robot for medicine delivery in Corona ward



Final year student Harikrishnan Developed The scavenger which automatically clears the block in drainages.



S.Rajarajeshwari,S.Akshaya, S.Vathanasree received Best Paper Award –International Conference



Second year student B. Mythreya & Nitish won second prize in Maths Quiz organized by Sai Ram Engineering College



S.Akash, Harichandru & Prawin won third prize in Poster Presentation organized SRM University



Mythreya,B, Augustin Raj, won Second Place with Prize Money of Rs.500 at KGISL Institute of Technology, Coimbatore.



Maneesh.K and Manoj.V from 2021 Batch have participated in workshop at IITM conducted by DTCC



K. Harish and Gokul from III yr CSE A sec Students have won second place in Blind Coders event -Technozarre'19 at SRM Institute of Science and Technology, vadapalani



Computer Science Dept Students (16-20 Batch) Mahadevan & Kavibharathi won second prize vice and virtues & brain o brain competition at Anna University, Trichy BIT Campus held on March 6 & 7 2019



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## RESEARCH AWARDS:



Dr. R. Jothi Chitra received  
**Outstanding Woman in Engineering**



Dr. M. Sivarathinabala received  
**Best Researcher Award**



Dr. G. Shanmugaraj  
**Inspiring Research Associate Award**



Mrs. S. Manju received  
**Best Faculty Award**



Dr. M. Sivarathinabala  
**Doctor Radhakrishnan Award**

## YOUNG SCIENTIST AWARD AWARDS:

The following students were honored with the Dr. APJ Abdul Kalam Young Scientist Award (Sponsored by Education Today) by His Excellency Dr. A. Kalanidhi, the former Vice Chancellor of Anna University:

S.No	Name of the students	Department
1	MalluNavya	AI & DS
2	R.Rajesh	CSE
3	Dharshan G	ECE
4	B. Mohankanth	Mechatronics
5	S. Sivadharan	Mechanical
6	Janish Kumar U	IT
7	Rajavel Rahul	EEE

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## Photosnap of Dr. APJ Abdul Kalam Young Scientist Award



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### LIST OF R & D EVENTS ORGANIZED:

S.No	Event Name	Date
1.	Project Expo "INNOVATE '23"	19-04-2023
2.	4th International Conference on Intelligence Industrial Automation (ICIIA 2023)	05-04-2023
3.	International Conference on Innovation in Computing and Technology (ICICT 2023)	31-03-2023
4.	Third International Conference on Artificial Intelligence, 5G Communications and Network Technologies (ICA5NT 2023)	23-03-202 to 24-03-2023
5.	ICT Academy FDP-Power seminar on Recent Technology in Artificial Intelligence and Machine Learning.	23-02-2023
6.	An Expert Talk on "Importance of Pneumatic & Hydraulic System"	15-02-2023
7.	One day workshop on "Hands on Training for Research Article Preparation"	13-02-2023
8.	FDP on Recent trends in Image Processing and its application	21-09-2022 to 27-09-2022
9.	Seminar on Journal Publication	17-09-2022
10.	Seminar talk on Ph.D preparation	10-09-2022
11.	Impact of Research on Teaching (Online Faculty Development program)	05-09-2022
12.	IoT and PCB workshop	25-08-2022 to 27-08-2022
13.	Guest Lecture on GIS	25-08-2022
14.	Systematic Knowledge Enrichment Program on Design Thinking Analysis, Conceptual Design Manufacturing, 2D and 3D Modeling Automation	23-08-2022 to 24-08-2022
15.	Expert Talk on Automotive Engines	12-08-2022
16.	Guest Lecture on " Role of Power System Operation and Control in Research Perspective"	10-11-2021
17.	Guest Lecture on " Role of Power System Analysis in research"	08-11-2021
18.	Workshop on Internet of Things (Smart System)	22-10-2021 & 23-10-2021

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19.	Workshop on special effects on Houdini	05-10-2021 & 06-10-2021
20.	Webinar on "Emerging Advancements in Automotive Technologies"	12-07-2021
21.	Virtual National Conference on Innovation in Computing and Technology	12-04-2021 & 13-04-2021
22.	Guest Lecture on "Role of Microcontroller Based System Design in Research"	12-04-2021
23.	AICTE sponsored STTP on " Research Aspects on Deep Learning in Image and Video Processing"	Slot -I 01-12-2020 to 07-12-2020 Slot -II 14-12-2020 to 19-12-2020 Slot – III 04-01-2021 to 09-01-2021
24.	AICTE Sponsored Virtual International Conference on Antenna Innovations, 5G Communications and Network Technologies (ICA5NT 2020)	06-11-2020 & 07-11-2020
25.	TNSCST sponsored workshop on Machine Learning Algorithm and its applications in medical field	09-01-2019

## **OUTCOMES:**

Overall, outcome of the R & D activities are

- Received grants from DST, CVRDE, Ministry of Mines, MSME, TNSCST, AICTE, MeitY with fund amount of Rs170.08921Lakhs.
- Since inception, faculty and students has made significant contributions, with 648 research articles published in reputed Journals and Scopus indexed book chapters. Published 23 books and 633 conference proceedings.

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# VELAMMAL INSTITUTE OF TECHNOLOGY

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Scopus Q Search Sources

## Velammal Institute of Technology

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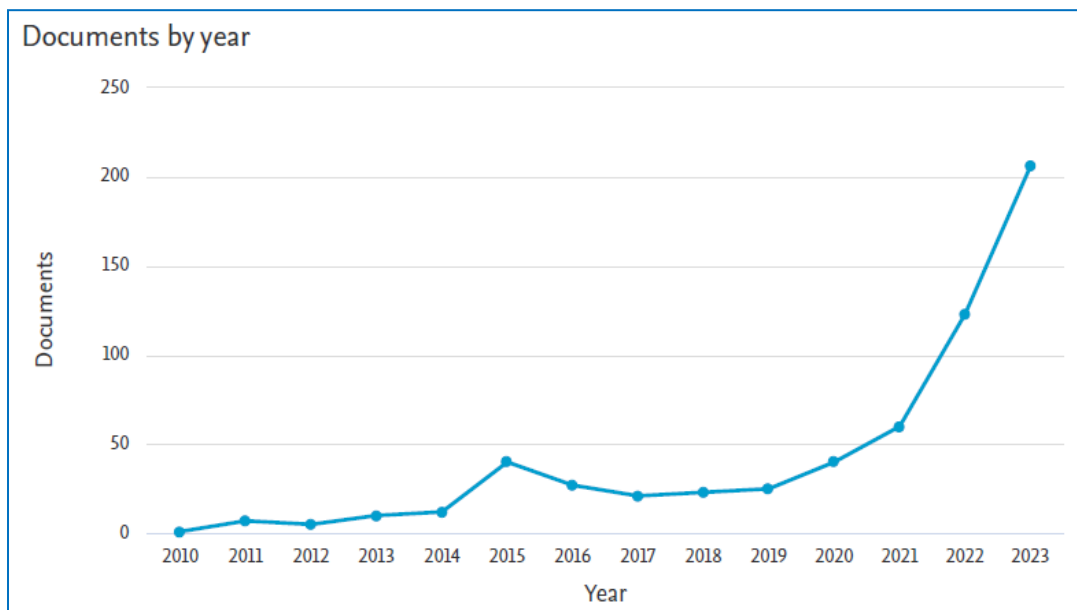
648 Documents | 403 Authors

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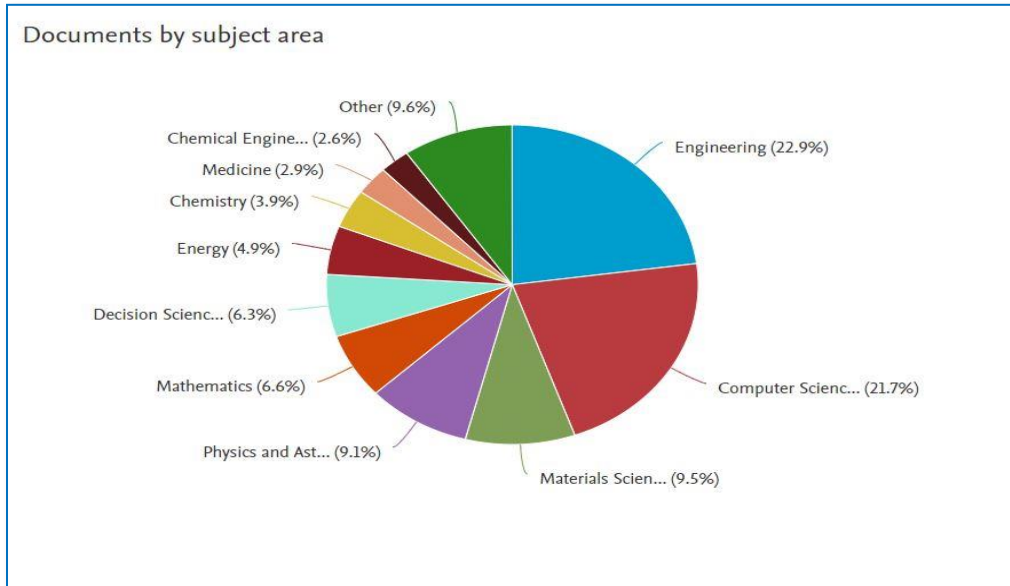
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648 Documents



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### Co-Curricular Activities-Participated:

Event Name	2019-20	2020-21	2021-22	2022-23
International Seminar/Conference (No. of Students Attended)	15	20	22	41
National Seminar/Conference (No. of Students Attended)	38	88	102	98
Workshops (No. of Students Attended)	90	133	104	115
In-plant Trainings (No. of Students Attended)	69	22	24	52
Internship	83	52	159	171



- The Department of Electronics and Communication Engineering and Physics has been recognized as a Research Centre by Anna University, Chennai, for conducting Ph.D. programme and 10 recognized supervisors.

**NARAYANAN BALAJI**

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Chennai - Kolkatta Highway, Panchetti, Ponneri



INSTITUTION'S  
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- Our Institute has been recognized as a Scientific and Industrial Research Organization (SIRO) by the Department of Scientific and Industrial Research, Govt. of India. The DSIR-SIRO recognition certificate enabled our institute to receive concessional GST and exemption from customs duties on purchases incurred for research purposes.

 सूचना का अधिकार RIGHT TO INFORMATION	सुरमाण/TEL : 26962819, 26567373 (EPABX) : 26565694, 26562133 : 26565687, 26562144 : 26562134, 26562122 फैक्स/FAAX : 26960629, 26529745 Website : <a href="http://www.dsir.gov.in">http://www.dsir.gov.in</a> (आइएसआरओ 9001:2008 प्रमाणित विभाग) (AN ISO 9001:2008 CERTIFIED DEPARTMENT)	 भारत सरकार विज्ञान और प्रौद्योगिकी मंत्रालय वैज्ञानिक और औद्योगिक अनुसंधान विभाग टेक्नोलॉजी भवन, नया महरौली मार्ग, नई दिल्ली - 110016 GOVERNMENT OF INDIA MINISTRY OF SCIENCE AND TECHNOLOGY Department of Scientific and Industrial Research Technology Bhavan, New Mehrauli Road, New Delhi - 110016
		
F.No. 11/985/2023-TU-V		Date: 21 <sup>st</sup> November 2023
<b>The Principal Velammal Institute of Technology Chennai – Kolkata National Highway, Panchetti, Ponneri Taluk, Thiruvallur – 601204, Tamil Nadu</b>		
<b>Subject: Registration of Research Institution, other than a Hospital, for the purpose of availing Customs duty exemption in terms of Government Notifications No. 51/96-Customs dated 23.07.1996; No. 24/2007-Customs dated 01.03.2007; No. 43/2017-Customs dated 30.06.2017; No. 42/2022-Customs dated 13.07.2022 as applicable and all notification, as amended from time to time.</b>		
<b>CERTIFICATE OF REGISTRATION</b>		
This is to certify that <b>Velammal Institute of Technology, Thiruvallur, Tamil Nadu</b> is registered with the Department of Scientific and Industrial Research (DSIR) for the purpose of availing Customs duty exemption in terms of Government Notifications No. 51/96-Customs dated 23.07.1996; No. 24/2007-Customs dated 01.03.2007; No. 43/2017-Customs dated 30.06.2017; No. 42/2022-Customs dated 13.07.2022 as applicable and all notification, as amended from time to time. The Registration is subject to terms and conditions mentioned overleaf.		
This Registration is valid upto <b>31.03.2024</b> . Please acknowledge the receipt.		
 <b>(Dr. P.K. Dutta)</b> Scientist - 'G'		

  
Dean R & D

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