

1. Year of establishment of research Centre (Approved by Anna University) – 2015



Dr. R. JAYAVEL
DIRECTOR

Muruli

CENTRE FOR RESEARCH
ANNA UNIVERSITY
CHENNAI - 600 025



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Lr.No: 2601/IR/CSE/AR1

Date 10 06 2015

To
The Principal
Adhiyamaan College of Engineering
Dr M.G.R. Nagar, Hosur
Krishnagiri - 635 109

*Copy to
HOD - CSE
Dean (60th)
16/6/15*



Sir/Madam,

Sub : Anna University - Research centre recognition - Department of
Computer Science and Engineering - Orders - Issued.

I am by direction to inform that the Department of Computer Science and Engineering of your Institution has been recognized as a research centre with effect from 09.06.2015. The faculty members of this department can interact with Anna University for collaborative research for the purpose of pursuing Ph.D. / M.S. (By Research) programmes.

The recognized supervisors working in the above department may be permitted to guide the candidates to carryout Ph.D./M.S.(By Research) programme relevant to their field of specialization. Please refer "clause 7" of Ph.D./M.S. (By Research) Regulations.

The above recognition shall be renewed once in three years in compliance with the required norms for research centre including the availability of two faculty members with Ph.D. Degree in the broad area of research.

In all future correspondence quote "4260106" for reference.

The next renewal application in the prescribed format available in our website: cfr.annauniv.edu along with the number of papers published in SCI journals during the recognized period shall be made during **June 2018** (as per Common Renewal Session) with a renewal fee on fulfilling the norms.

Yours faithfully,

R. Jayavel
DIRECTOR

16/6/15



Dr. K.P. JAYA
DIRECTOR

CENTRE FOR RESEARCH
ANNA UNIVERSITY
CHENNAI - 600 095



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Date 05 07 2021

Lr.No. 2601/IR/CSE/AR2

To
The Principal
Adhiyamaan College of Engineering (Autonomous),
Dr. M.G.R. Nagar Hosur,
Krishnagin 635130

Handwritten notes:
copy to
HOD - CSE
7
9-11-2021
[Signature]

Sr/Madam

Sub: Anna University - Research Centre Recognition - Department of
Computer Science and Engineering - Renewal - Orders - Issued
.....

I am by direction to inform that the recognition of the Department of Computer Science and Engineering of your Institution has been renewed up to **June 2024** as per "Common Renewal Session" to do collaborative research for the purpose of pursuing Ph.D. programme.

The recognized supervisors working in the above department may be permitted to guide candidates to carry out Ph.D. programme relevant to their field of specialization. Please refer to Ph.D. Regulations.

The above recognition shall be renewed once in three years in compliance with the required norms for research centre including the availability of two faculty members with Ph.D. Degree in the broad area of research.

In all future correspondence quote "4260106" for reference.

The next renewal application (available in cfr.annauniv.edu) on fulfilling norms as applicable at the time of renewal along with the renewal fee shall be sent to this office. Renewal can be done three months prior to last date.

[Signature]
DIRECTOR

60
6/7/21

2. Recognized supervisor

Name of the Supervisor	Designation	Specialization	Supervisor ID	Contact Details
Dr. G Fathima	Professor & Head	Data Mining Techniques Mobile Adhoc Networks Cryptography	2440075	Mail id : fathima.cse@adhiyamaan.in Mobile : 9487819132
Dr. M Lilly Florence	Professor	Data Mining Machine Learning Artificial Intelligence	11031390 / 3140003	Mail id : drlilly2011@gmail.com Mobile : 9487819149

3. Scholars Pursuing Research

S.No.	Department of Supervisor	Name of the Supervisor	Scholar Name	Scholar Register Number	Year of Registration	Title	Status
1	Computer Science and Engineering	Dr. G. Fathima	Ms. V.Sundarajeyalakshmi	23243697239	July- 2023	AIOT Based Combined Model Analysis And Prediction of Air Quality	Pursuing
2	Computer Science and Engineering	Dr. G. Fathima	Ms. D.M. Vijaya Lakshmi	23234697148	July- 2023	An Efficient Approach in Hybrid Based CNN Model for Tumor Identification in Medical Image Processing	Pursuing
3	Computer Science and Engineering	Dr. M. Lilly Florence	Ms. Mamath Poreddy	23254697433	July-2023	Internet of Things Based System for Maintaining Safe Medical Records by the Block chain Technology	Pursuing
4	Computer Science and Engineering	Dr. M. Lilly Florence	Mr. P. Ashok Kumar	23194691353	Jan-2023	An Improved Security and Efficient Data Transmission in IOT System	Pursuing
5	Computer Science and Engineering	Dr. G. Fathima	Ms. V. Kalaivani	22234697169	July-2022	Predictive Analysis and Evaluation of Stress Level using Machine Learning Techniques	Pursuing

6.	Computer Science and Engineering	Dr. G. Fathima	Ms. A. Pritha	22257697114	July- 2022	Time Management in Controlling Traffic in Metropolitan Cities According to Weather by Detecting by Wide Range of Edges using Canny Edge Detector Algorithm	Pursuing
7.	Computer Science and Engineering	Dr. M. Lilly Florence	Mr. N. Sakthivel	21147691140	Jan-2021	Smart Tutorial System using Brain Waves System with Emotional Intelligence	Pursuing

4. Patent Details

S.No	Name of Inventors	Title of Patent	File Number &Date	Patent Country	Status
1	Ms. V. Kalaivani	HEALTH MONITORING DEVICE FOR DIARY COWS USING INTERNET OF THINGS	202341027045 & 05/05/2023	India	Published
2	Dr. G. Fathima	AUTOMATIC RECOGNITION OF EYE'S STATE USING DEEP LEARNING APPROACH	202241057064 & 13/05/2022	India	Published
3	Ms. V. Kalaivani	AN INTELLIGENT VR HEADSET FOR REDUCING STRESS OF BEDRIDDEN PATIENT	202241022988 & 13/05/2022	India	Published
4	Dr. G. Fathima	SENSOR BASED INTELLIGENT BRAIN COMPUTER INTERFACE SYSTEM FOR ASSISTING HAND PARALYZED PATIENTS TO PERFORM TYPING BY BRAIN	202141036605 & 12/08/2021	India	Published

5	Dr. M. Lilly Florence	USER USAGE BASED ENCRYPTION SYSTEM AND METHOD THEREOF	202041053162 & 11/12/2020	India	Published
6	Dr. G. Fathima	WATER MANAGEMENT DEVICE AND SYSTEM THEREOF	2016410332 & 27/09/2016	India	Published

5. Activities carried on /planned through research Centre

1. Organized a International webinar on **Deep Learning for Medical Image Analysis** on 26th October 2022.
2. Planned to conduct workshop for Research Scholars on 12.10.23 & 13.10.23.
3. Organized a Webinar **Rethinking IPR – From Research to Revenue** on 17th March 2021.

6. MoU Signed

The department is having various MOUs with industries to improve the career opportunities of our students.

S.No	Name of the Company	Goal Of MoU	Academic Year
1	Gustovalley Technovation Private Limited, Hosur	Workshop/ Training	2022-2023
2	DXSO Private Limited, Hosur	Seminar/ Training	2022-2023
3.	e-Vidyaloka Trust, Bangalore	Seminar/ Internship	2023-2024

7. Benchmark of the Research Centre

The Department of CSE is a recognized Research Centre by Anna University, Chennai. The Department aims to create and support a research culture for developing and promoting scientific temper and research aptitudes among staffs and students. It helps to realize the vision and missions of the Institution for contributing to national development by establishing an institutional fund and plan for facilitating their participation in research and related activities by providing the required resources and appropriate facilities.

It also aims at ensuring that the research activities of the Institution conform to all applicable rules and regulation as well as to the established standards and norms relating to safe and ethical conduct of research.

Objectives of the Research Policy

- Strengthening the institutional capacity for strategic, technical and operational planning, budgeting and control of all research activities of the Institution
- Creating and administer a research fund for supporting and facilitating research initiatives and projects of faculty members and students
- Developing rules, procedures and guidelines for granting research support, instituting awards, and supporting all other related activities.
- Developing rules, procedures and guidelines for granting study leave, sabbatical leave, duty leave, reduction in workload, etc. for faculty members undertaking research activities
- Preparing and updating the research agenda outlining the preferred focus areas and priorities of research activities to be supported
- Guide faculty members in the effective integration research projects with the regular curriculum implementation and curriculum enrichment activities Identifying and informing researchers about the appropriate research opportunities announced by different academic, research, industry or government organizations
- Promoting interdisciplinary research and establishing modalities for preparing and undertaking joint research projects covering more than one knowledge domain as well as policies for involving external agencies/experts in such projects
- Enabling framework for researchers to obtain sponsorships for research projects and which makes the participating researchers responsible for the successful implementation of the project
- Developing and promoting linkages with the Research Council of the University of Delhi and enable all the researchers of the University to benefit from the activities and programs of the council
- Identifying and establishing linkages including MOU's for long term relationships with national and international research organizations for widening the scope of research opportunities and funding options available to the teachers and students.
- Encouraging and facilitating the publication of the research work/projects in reputed academic journals
- Encouraging and facilitating the presentation/communication of the research work/projects as well as their findings and recommendations through academic events such as workshops/seminars/guest lectures or the media
- Compiling data on all the research work/projects undertaken by the teachers and students in to a database for easy monitoring and analysis of the progress being made by them from year to year
- Adopting research code, which informs all researchers about the ethical and legal norms and principles to be followed in the conduct of research

Research Policy Implementation Mechanism

The specific roles and functions of the research cell will be as follows

- a. Facilitate the faculty in undertaking research and will work with the Institution management to set up a research fund for providing seed money
- b. Provide research facilities in terms of laboratory equipment, research journals and research incentives etc. required by the faculty.
- c. Encourage and promote a research culture (eg. teaching work load remission, opportunities for attending conferences etc.).
- d. Encourage the faculty to undertake research by collaborating with other research organizations/ industry.
- e. Create suitable procedures for giving due recognition for guiding research.
- f. Facilitate / the university. Establishment of specific research units/ centers by funding agencies
- g. Organize workshops/ training programs/ sensitization programs are conducted by the institution to promote a research culture on campus.
- h. Prepare budgets for supporting students' research projects.
- i. Approach National and international organizations such as UGC, CSIR, DSTSERB, DST, DBT, NATO, DRDO and BARC to fund major and minor research projects undertaken by the faculty / students
- j. Make efforts to improve the availability of research infrastructure requirements to facilitate research.
- k. Develop and implement an official Code of Ethics to check malpractices and plagiarism in research.
- l. Facilitate Interdepartmental / interdisciplinary research projects.
- m. Create incentives for the faculty who receive state, national and international recognition for research contributions as well as research awards and recognition from reputed professional bodies and agencies.
- n. Encourage and promote the publication of research articles by the faculty in reputed/ refereed journals.
- o. Create and maintain a database of research work and research projects undertaken by the faculty and students as well as collect data by metrics such as Citation Index, Impact Factor, h-index, etc.
- p. Publicize the research expertise and consultancy capabilities available in the Institution.
- q. Facilitate the provision consultancy services to industries / Government / Non- Government organizations / community/ public.
- r. Prepare Rules & Guidelines for Grant of Research related leave and other remissions
- s. Prepare Guidelines for design and evaluation of curriculum-oriented research projects
- t. Research publication leading to Patent/Patenting Research activities.