ADHIYAMAAN
COLLEGE OF ENGINEERING
AUTONOMOUS

ACHIEVE CREATE EXCEL

TECHQUEST

ANNUAL NEWS LETTER

2021-2022

PUBLISHED BY

DEPARTMENT OF INFORMATION TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY

DEPARTMENT AT GLANCE

The Department of Information Technology has been an active and effective part of Adhiyamaan Educational Research Institutions (AERI) for more than a decade. Right from its inception of the year 2001, the department has been offering well - built infrastructural facilities with different computer platforms for grooming professional students to meet the incessant demands of the IT Industries. The Department strives to produce eminent professional tuned to the real time working environment. The department has vibrant and dynamic community of faculty and students and their varied achievements has made the department one of the best in the campus. The faculty team takes creative and committed measures to bring passion, enthusiasm to create quality professionals. The department provides best infrastructure and educational resources for students to help in self learning and practice.

The curriculum is well defined to cater to the needs of both society and industry. The learner during their four-year under graduate course would gain a comprehensive and extensive understanding of the various nuances of Information Technology. Apart from curriculum, various programmes are organized to deepen the students' understanding of various IT relevant concepts, and also courses aimed at kindling the students' independent thinking and creativity in relevance with the discipline. The Students are closely assisted by the faculty.

The Department has faculty members specialized in Wireless Networks, Data mining, Soft Computing, Network Security, Cyber Security, Big Data Analytics, Image Processing, Cloud Computing and Mobile Computing. The Department takes pride in the large number of faculty engaged in research activities.

The Department is committed to build young professionals with a strong sense of intellectual curiosity, leadership skills, ethics and integrity, as they enter the workforce. The Department conducts a continuous and rigorous placement development programme that shapes every learner to be an employable and industry ready individual at the end of four years. At present the department holds a phenomenal placement record of more than 80%.

BEST PRACTICES

1. Outcome Based Education (OBE) and Rigorous learner-centric teaching helped in improving the evaluation of teaching learning process.
2. Classroom teaching is based on a lesson plan formulated at the beginning of a semester.
3. Teaching as per lesson plan interspersed with three assessment exams helps to continuously monitor learning outcomes
4. Computer assisted E learning is practiced for teaching, which enables to cover the syllabus in time, the virtual models can be demonstrated and animations of processes which are difficult to explain with blackboard and chalk
5. Assignments on current trends for learning of latest techniques and effective understanding of theory are given to the students
6. Seminars/Webinars in content beyond syllabus & Hands on experience workshops are conducted
7. Students are encouraged to undergo in-plant training and internships during their semester vacations.
8. Personality development training programs are conducted in third and final year so as to equip them for placement.
9. Guidance is given for competitive exams such as GATE, GRE, etc.
10. Consistent mentoring of the students and tracking slow learners and involving in parents' meetings
11. Value added courses/frequent guest lectures/invited talks by the practitioners are arranged to give more exposure on real time challenges and industrial practices.

SALIENT FEATURES

- Dedicated and well-qualified faculty.
- Spacious class rooms with projector.
- Well Equipped Laboratories with the state of art IT infrastructure
- Air-conditioned seminar hall and library.
- 1000 Mbps lease line internet connectivity
- Tutor -ward system for regular interaction with students to address their difficulties
- Students are encouraged to participate in activities like paper presentation, technical quiz, software debugging, sports, NSS and cultural activities.

DEPARTMENT VISION

To become a globally recognized centre of excellence in the field of Information Technology, providing technology excellence that advances learning, teaching, research to produce budding IT professionals, researchers, innovators and entrepreneurs

DEPARTMENT MISSION

M1: To produce competent IT professionals with the potential of Programming and Problem solving skills.

M2: To facilitate the students to work with modern tools, inventive technologies and innovative research capabilities.

M3: To build leadership abilities by inculcating the spirit of ethical values.

PEOS

I. Our graduates will be able to analyze and solve computing problems by applying the principles of Mathematics, Science, Information Technology and Engineering.

II. Our graduates will be globally competent to use recent Information Technologies to design quality Software systems that are economically feasible and socially acceptable through their innovations.

III. Our graduate will excel in their career or higher education by acquiring communication and Interpersonal skills to work in team effectively and ethically by engaging in life-long learning.

POS

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PSOs

1. Professional Skills: Ability to identify, analyze, design, develop, test and manage complex software and information management systems.

2. Web Designing Skills: Possess knowledge on software design process using open ended programming and use the web designing skill to e skills to establish IT enable solutions for the societal needs.

3. Successful Career and Entrepreneurship: Capable of adapting to new technologies and constantly upgrade the skills with an attitude towards lifelong learning.

MESSAGE FROM HOD DESK

I am happy to inform that our pride rests in the yearly newsletter – TECHQUEST 2021-2022 which Highlights the academic and non-academic activities of both faculty and students of the department. Computer is an essence of today's world, and we strive to bring out the hidden talents from our students and also make them ready to face the outside world.

Dr.THILAGAVATHY M.E., Ph.D.,

PROFESSOR & HEAD

DEPARTMENT OF INFORMATION TECHNOLOGY

ADHIYAMAAN COLLEGE OF ENGINEERING

MESSAGE FROM EDITOR

As a representative of the Information Technology department at Adhiyamaan College, it is my great pleasure to present this newsletter. This newsletter highlights the events and remarkable accomplishments of our students and faculty. I trust that this newsletter will provide you with valuable insights into the achievements of our IT department members.

Mr. GOWTHAMRAJ.M M.E.,

Assistant Professor,

Department of IT.

SEMINAR/WEBINAR

A number of seminars and workshops from various Industrial Experts in the field were organized by our IT department for in-depth understanding of the recent trends.

S.No	Event Photo	Name of the Event	Date	Resource Person and Organization
1		Webinar on Deep Learning Myths and Realities	23.07.2021	Dr.J.A Smitha Professor/CSE The Oxford College of Engineering-Bangalore
2		Webinar on Software Testing and its Job Opportunities	19.07.2021	Mr.M.Mukesh Kumar Founder-Techie builder Training institute Chennai
3		Seminar on "Start your career on Technology"	11.10.2021	Mrs.Nisha Mahesh Shikshaa Simple Learn Bangalore

S.No	Event Photo	Name of the Event	Date	Resource Person and Organization
4		Seminar on "Introduction to Python"	08.12.2021	Mr.Siva Prakash Mr.Ramkumar U.N.I.Q Technologies Bangalore
5		Seminar on "Placement Awareness"	14.03.2022	Mr.Mohan Desai Mr.Nithin Prabakar Ms.Swapna Mind Parkour Bangalore

WORKSHOP

S.No	Event Photo	Name of the Event	Date	Resource Person and Organization
1		Two Days Workshop on "Building IoT Applications"	27.12.2021 & 28.12.2021	Prof.Jeevanantham AP/IT Kongu Engineering College- Erode
2		Two Days Workshop on Photoshop	27.05.2022 & 28.05.2022	Mr.Kaleeswaran.P Wipro-Bangalore Mr.Solairajan.S.M Chegg- Bangalore

FACULTY ACHIEVEMENTS

JOURNAL PUBLICATIONS

S. No	Name of the faculty	Title of the paper	Published in	ISSN. No	Date of Issue
1	Dr.D.Thilagavathy	Self-Learning Intelligent Information Leak Protection System Using LSTM	Journal of Emerging Technologies and Innovative Research	2349-5162	Apr 2022 Vol 9 Issue 4 Pp h306-h312
2	Dr.D.Thilagavathy	Client Centrics FS and Biocryp for Secure Access over Outsourced Data in Cloud Server	Journal of Applied Science and Computation	1076-5131	May 2022 Vol 9 Issue 5 Pp 323-329
3	Mr.S.Sathishkumar	SBRidAPI- Detect Decimate and Prevent SocialBot in OSN	International Journal of Scientific Research in Engineering and Management	2582-3930	Apr 2022 Vol 6 Issue 4 Pp 1-4
4	Mr.S.Sathishkumar	StegoFace an End to End Deep Convolutional Printed ID Facial Image Steganography to Prevent Photograph Substitution Attack	International Journal of Novel Research and Development (IJRND)	2456-4184	May 2022 Vol 7 Issue 5 Pp 1318-1326
5	Mr.S.Sathishkumar	Votechain for Secure and Transparent e-Voting Mechanism	Journal of Applied Science and Computation	1076-5131	May 2022 Vol 9 Issue 5 Pp 201-207
6	Mrs.K.Karthika	Livbot: Future wbans for Human Memory Data Uploading and Distribution	Journal of Applied Science and Computation	1076-5131	May 2022 Vol 9 Issue 5 Pp 33-38
7	Mrs.K.Karthika	Boondocks vault: An Innovative Off the Grid Storage Drive	International Journal Research of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering	2321-2004	Apr 2022 Vol 10 Issue 4 Pp 1-8

S. No	Name of the faculty	Title of the paper	Published in	ISSN. No	Date of Issue
8	Mr.M.Gowtham Raj	Cyberbullying Detection using Deep Learning Model	International Journal for Modern Trends in Science and Technology	2455-3778	May 2022 Vol 8 Issue 5 Pp 1-8
9	Mr.M.Gowtham Raj	Object Detection for Blind People using RNN Algorithm	International Journal of Advanced Research in Technology	2395-1052	May 2022 Vol 8 Issue 5 Pp 635-640
10	Mr.M.Gowtham Raj	Verifiable and Multi Keyboard Search over Encrypted Cloud Data	International Journal of Research and Analytical Reviews (IJRAR)	2349-5138	Apr 2022 Vol 9 Issue 2 Pp 19-30
11	Mrs.A. Sajithabegam	Reengineered Traffic Signal Scheduling using Deep Q Learning	International Journal of Scientific Research in Engineering and Management	2582-3930	Apr 2022 Vol 6 Issue 4 Pp 1-7
12	Mrs.A. Sajithabegam	E-MailSinkAPI: Deep Learning Multiclass e-mail Classification for Forensic Analysis	Journal of Emerging Technologies and Innovative Research	2349-5162	Apr 2022 Vol 9 Issue 4 Pp 1-8
13	Mrs.A. Sajithabegam	Deep Pill: Web Framework for Automatic Pill Recognition and Recommendation Systems using Deep learning	International Journal for Modern Trends in Science and Technology	2455-3778	May 2022 Vol 8 Issue 5 Pp 279-284
14	Ms.A.Menaka	Data Accuracy and Integrity for Cloud Storage using Blockchain Hashing Algorithm	International Journal of Research and Analytical Reviews (IJRAR)	2348-1269	Apr 2022 Vol 9 Issue 2 Pp 83-92

S. No	Name of the faculty	Title of the paper	Published in	ISSN. No	Date of Issue
15	Ms.A.Menaka	Virtual Assistant Mimic Model for Cloud data Security	International Journal for Modern Trends in Science and Technology	2455-3778	May 2022 Vol 8 Issue 5 Pp 78-85
16	Ms.A.Menaka	Detection of Electrical Fonts using Machine Learning	Journal of Applied Science and Computation	1076-5131	May 2022 Vol 9 Issue 5 Pp 1-8
17	Mrs.I.Sakthidevi	Fogdrive Disaster Backup as a Service for Cloud Server using Edge Computing	International Journal of Research and Analytical Reviews (IJRAR)	2348-5138	Apr 2022 Vol 9 Issue 2 Pp 641-651
18	Mrs.I.Sakthidevi	A Lightweight Secure Data Sharing scheme for Mobile Cloud Computing	International Journal of Novel Research and Devolpment (IJNRD)	2456-4184	May 2022 Vol 7 Issue 5 Pp 461-481
19	Mrs.I.Sakthidevi	LIMET – Conditional GAN for Low Light Technology	International Journal for Modern Trends in Science and Technology	2455-3778	May 2022 Vol 8 Issue 5 Pp 222-231

FACULTY DEVELOPMENT PROGRAMMES/SHORT TERM TRAINING PROGRAMMES

S.NO	Name of the Faculty	Name of the Progam	Organized by	Duration
1	Dr.D.Thilagavathy	Campus Connect Conclave	Infosys Ltd-Bangalore	21.12.2021
2	Dr.D.Thilagavathy	Advancement in Artificial Intelligence and Machine Learning	The Oxford College of Engineering - Bangalore	12.07.2021 to 17.07.2021
3.	Dr.D.Thilagavathy	Drifts in Cyber Crimes	Malla Reddy Institute of Engineering and Technology-Hyderabad	02.09.2021 to 07.09.2021
4.	Dr.D.Thilagavathy	IoT Using Raspberry	Pantech E-Learning Solutions- Chennai	03.12.2021 to 04.12.2021
5	S.Sivanantham	Internet of Things	AICTE training and Learning@KSR College of Technology	25.01.2021 to 29.01.2021
6.	S.Sivanantham	Java Progamming	Infosys Limited-Bangalore	16.06.2021 to 18.06.2021
7	S.Sivanatham	Skills of Articulation,Attitude and Aptitude	Infosys Limited-Bangalore	10.08.2021
8	S.SathishKumr	Webinar on Devops Training	JIS College of Engineering	24.12.2022
9.	S.SathishKumar	Webinar on Leadership Qualities on Successful Entrepreneus	Sengunthar Engineering College-Namakkal	21.02.2022
10	S.SathishKumar	Online FDP on Microsoft Asure Fundamentals	ICT Academy	16.02.2022 to 18.02.2022
11	S.SathishKumar	Online FDP on Quantum Computing	AICTE training and Learning@KSR College of Technology	04.01.2021 to 08.01.2021
12	S.SathishKumar	FDP on Academia Industry Interaction	Reva University-Bangalore	08.01.2021 to 13.01.2021
13.	S.SathishKumar	STTP on Research Methodology and Tools	Reva University-Bangalore	18.01.2021 to 23.01.2021

S.NO	Name of the Faculty	Name of the Progam	Organized by	Duration
14	S.SathishKumar	International Webinar on Research Opportunities and Recent trends in IoT and WSN	Bangalore Institute of Technology-Belagavi	05.04.2021 to 07.04.2021
15	S.SathishKumar	Online STTP on Exploring real world Applications of Block Chain Technology with Machine Learning	KLN College of Engineering-Sivagangai	22.04.2021 to 28.04.2021
16	S.SathishKumar	FDP on Theory of Computation	SSN College of Engineering-Chennai	21.06.2021 to 26.06.2021
17	S.SathishKumar	Creating Microsites on Infosys Spring Board	Infosys-Bangalore	17.08.2021 to 18.08.2021
18	S.SathishKumar	International Workshop on research Publication in Engineering and Technology	Loyola ICAM College of Engineering and Technology-Chennai	27.08.2021
19	S.SathishKumar	Online STTP on Research Challenges and Applications of IoT in Smart Agriculture	Kongunadu College of Engineering and Technology	30.11.2020 to 05.12.2020
20	K.Karthika	Drifts in Cyber Crimes	Malla Reddy Institute of Engineering and Technology-Hyderabad	02.09.2021to 07.09.2021
21	K.Karthika	Java Progamming	Infosys Limited-Bangalore	16.06.2021 to 18.06.2021
22	K.Karthika	Online FDP on Microsoft Asure Fundamentals	ICT Academy	16.02.2022 to 18.02.2022
23	M.Gowtham Raj	Online FDP on Microsoft Asure Fundamentals	ICT Academy	16.02.2022 to 18.02.2022
24	M.Gowtham Raj	FDP on Internet of Things in Smart cities	AICTE Training and Learning	20.09.2021 to 24.09.2021
25	M.Gowtham Raj	Workshop on Improving Research and Performance Outcomes	Research Academy	21.08.2021
26	M.Gowtham Raj	Java Progamming	Infosys Limited-Bangalore	16.06.2021 to 18.06.2021
27	A.Menaka	Online FDP on Microsoft Asure Fundamentals	ICT Academy	16.02.2022 to 18.02.2022
28	A.Sajithabegam	Webinar on The Future of Education Employment on Optimization Techniques	Sir Indu Institute of Engineering and Technology	07.06.2021

STUDENT ACHIEVEMENTS

Our students were actively participated various cocurricular activities and awarded.

S. No	Name of the Student	Name of the Symposium / Workshop / Conference	Date of Publication / participation	Organized by	Awards
1	V.Mercy	Paper Presentation on National Level Technical Symposium PORT'22	05/05/2022 & 06/05/2022	Sona College of Technology, Salem	Participated
2	G.Ramya	Paper Presentation on National Level Technical Symposium PORT'22	05/05/2022 & 06/05/2022	Sona College of Technology, Salem	Participated
3	F.Neha Tabbassam	Paper Presentation on National Level Technical Symposium PORT'22	05/05/2022 & 06/05/2022	Sona College of Technology, Salem	Participated
4	A.Vaishnavi	Paper Presentation on National Level Technical Symposium PORT'22	05/05/2022 & 06/05/2022	Sona College of Technology, Salem	Participated
5	R.Divya	Paper Presentation on National Level Technical Symposium PORT'22	05/05/2022 & 06/05/2022	Sona College of Technology, Salem	Participated
6	V.Menaga	Paper Presentation on National Level Technical Symposium PORT'22	05/05/2022 & 06/05/2022	Sona College of Technology, Salem	Participated
7	A.Vedha	Paper Presentation on National Level Technical Symposium PORT'22	05/05/2022 & 06/05/2022	Sona College of Technology, Salem	Participated
8	Shifayath Khan	Workshop on Mobile App Development	05/05/2022 & 06/05/2022	ACE, Hosur	Participated
9	N.Pavan Kumar	Workshop on Mobile App Development	05/05/2022 & 06/05/2022	ACE, Hosur	Participated
10	Nishanth	Workshop on Mobile App Development	05/05/2022 & 06/05/2022	ACE, Hosur	Participated
11	F.Mohammed sajid	Workshop on Mobile App Development	05/05/2022 & 06/05/2022	ACE, Hosur	Participated
12	N.Manjunath	Workshop on Mobile App Development	05/05/2022 & 06/05/2022	ACE, Hosur	Participated
13	S.Jeeva	Workshop on Mobile App Development	05/05/2022 & 06/05/2022	ACE, Hosur	Participated
14	P.Dhanush	Workshop on Mobile App Development	05/05/2022 & 06/05/2022	ACE, Hosur	Participated
15	A.Ashwak	Workshop on Mobile App Development	05/05/2022 & 06/05/2022	ACE, Hosur	Participated

Glimpse Gallery

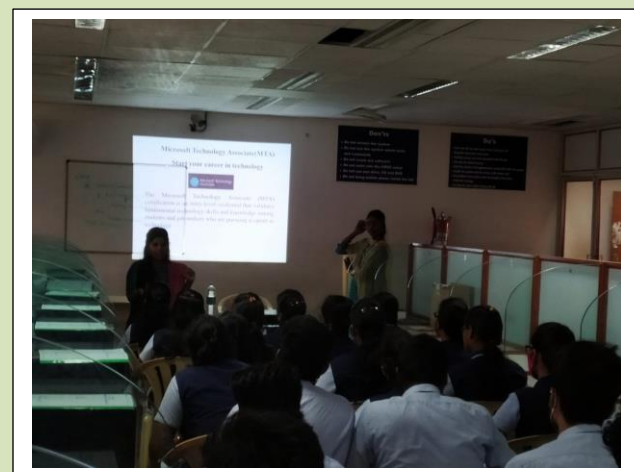AUDHA POOJA CELEBRATION

WOMEN'S DAY CELEBRATION

SMART INDIA HACKATHON

STUDENT'S EXTRA CURRICULAR

STUDENT SKILL DEVELOPMENT

PLACEMENT AWARENESS