



m I g h T y

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DEPARTMENT OF INFORMATION TECHNOLOGY

VISION

- To emerge as centre for academic eminence in the field of information technology through innovative learning practices.

MISSION

- To provide good teaching and learning environment for quality education in the field of information technology.
- To propagate lifelong learning.
- To impart the right proportion of knowledge, attitudes and ethics in students to enable them take up positions of responsibility in the society and make significant contributions

PROGRAMME EDUCATIONAL OBJECTIVES

- The graduates of Information Technology Engineering Program should be able to Excel in professional carrier and or higher education by acquiring knowledge in mathematical, computing and engineering principles.
- The Graduates of Information Technology Engineering Program should have an exposure to emerging cutting edge technologies, adequate training and opportunities to work as teams on multidisciplinary projects with effective communication skills.
- The Graduates of Information Technology Engineering Program should be able to establish an understanding of professionalism, ethics, public policy and aesthetics that allows them to become good professional Engineers.
- The graduates should be able to advance professionally through organized training or self-learning in areas related to computer science and information technology.
- The graduates of Information Technology Engineering Program should be able to develop an ability to analyze the requirements, understand the technical specifications, design and provide novel engineering solutions and produce efficient product designs.

Programme Outcomes (POs)

- Apply knowledge of mathematics, natural science, engineering fundamentals, software development, Database management, computer networking, data communication, and information security to the solution of complex engineering problems in Information Technology.
- Ability to identify, formulate and analyze complex technical problems in the recent cutting edge areas of hardware and software applications to reach significant conclusions by applying Mathematics, Natural sciences.
- Ability to analysis, design, test and documentation of computer programs, maintenance of networks, databases, security and computer systems (both hardware and software) and providing optimum design solutions to meet specified needs of the recent trends.
- Ability to use research based knowledge and research methods to perform literature survey, design experiments for complex problems in designing, developing and maintaining a computing system, collect data from the experimental outcome, analyze and interpret valid / interesting patterns and conclusions from the data points.
- Ability to create, select and apply state of the art tools and techniques in designing, developing and testing a computing system with the help of latest application software, operating systems, simulation and databases tools.
- Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice in system development and solutions to complex engineering problems related to Information technologies.
- Understand and evaluate the sustainability and impact of professional engineering work in the solution of complex engineering problems related to societal and environmental contexts with full responsibilities.
- An understanding of professional and ethical responsibility and commitment to them.
- Ability to function effectively to strive towards achieving a common goal as an individual in a group and with the capacity to be a team leader.
- 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.
- Ability to function on multi-disciplinary teams, apply engineering and management knowledge and techniques to estimate time and resources needed to complete a computer engineering projects.
- Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

ABOUT THE DEPARTMENT

The Department of Information Technology was established in the ear 1999 with an intake of 60 students. In 2001 intake was increased to 90 students. In 2006 intake was increased to 120. The main objective is to encourage the students to excel in latest technologies and making them good technocrats through futuristic plans. We also provide individual attention to inculcate entrepreneurial skills with ethical and social values. With the entire world in the grip of the versatile and vibrant World Wide Web, the science of Information Technology has become the most potent and powerful tool of the future. The Department has the state-of-the-art facilities for various labs, well equipped seminar halls, class rooms to support e-learning and a department library.

Guest Lecture

- The following Guest Lectures are conducted by the I.T Department in the Academic year 2015 – 16.

Web Programming, DBMS, Computer Architecture, Graphics and Multimedia, Operating Systems, Software Engineering, Artificial Intelligence.



- The following Seminar, Workshop, Faculty Development Program & Conference are conducted by the I.T Department in the Academic year 2015 – 16.

Seminar – Probability Queuing Theory

Workshop - Embedded system & Mobile App's Development

Faculty Development Program - Crypt Analysis

Conference - Nconnect 2k16 (National Level)



FACULTY ACHIEVEMENTS & RESEARCH

Workshop

The following faculty member has participated in the workshop which was conducted in the year 2015-16 in various institutions.

Mr.P.Robert, Mr.K.Immanuvel Arokia James & Ms.P.Manjula

Mobile App Development

Faculty Development Program

The following faculty member has participated in the Faculty Development Program which was conducted in the year 2015-16 in various institutions.

Name of the Faculty	FDP Title
<i>Mr.S.Venkatesan & Mr.P.Vijayanand</i>	IBM BLUE MIX
<i>Mr.R.Prabu</i>	Information theory and coding techniques
<i>Mr.M.RajeshKhanna</i>	Grid & Cloud Computing
<i>Mr.D.Anandan & Ms.P.M.Anu</i>	Compiler Design
<i>Mr.S.Rajasekaran & Mr.M.Rameshkumar</i>	Cryptography & Network Security
<i>Mr.C.Saravanan Ms.D.Divya & Ms.L.Gladis Flower</i>	Video Analytics

Paper Publication

The following faculty members are published papers in Scopus index journals in the academic year 2015-16.

Name of the Faculty	FDP Title	Journal Title
<i>Dr. R. Punidha, Subaja.R & Suguna.V</i>	Moving Object Segmentation using Background Modeling with Orthogonal Polynomials	IJAER
<i>Dr. R. Punidha, Soundarya.M & Saranya.V</i>	Tracking Dynamic Target in Wireless Sensor Networks	IJST
<i>Dr. R. Punidha, Mary Judith. A & Ramya.D</i>	Remote Service Access using Biometrics	
<i>Mr.R.Prabu</i>	PB Verification and Authentication for Server using Multi Communication	

<i>Mr.K.Immanuel Arokia James</i>	PB Verification and Authentication for Server using Multi Communication	MEJSR
<i>Mr.C.Saravanan</i>	Disseminate Innovative Sky Tie Expertise For Long Distance Communiqué To P2p During ISM Band 2.4 GHZ	IJATES
<i>Ramya.D</i>	Identifying the Performance Efficiency of Attribute Based Encryption with Secured Resource in Cloud	IJST
<i>Ramya.D</i>	Efficient Tenable to Data Storage and Integrity Verification in Cloud computing	

STUDENTS ACHIEVEMENTS

Innovation Projects

The students of I.T department who had participated and got awards for the Innovation Projects conducted within the state to project their innovation ideas are as given below:

Students Name	Project Title	Events Name	Price & Awards
S.Mukilan , D.Sundaram Subramanian & A.Vignesh	Monitoring Electrical Parameters System For House Hold Appliances.	Dream IT 2KF - Project Wars (Dhanalakshmi College Of Engineering)	1 st Place
T.J.Priyadharshene, T.Sindhuja & V.Ramanathan	LPG Automatic Booking Along With Leakage Detection	Young Scientist Award (Annai Violet College Of Arts And College)	2 nd Place Cash Award Rs.7500
Gomathy.S & Sri Vidhyaa.S	Buying Suburban Train Tickets Through Online	Visai 2016 (Vel Tech university)	1 st Place

V.Ramanathan, T.J.Priyadharshene , Reshma & R.Dhivya	LPG Automatic Booking Along With Leakage Detection	Robo Expo (Anna University)	1 st Place
Ramanathan.V , T.J.Priyadharshene , R.Reshma , Dhivya.R & T.Sindhuja	Automatic Gas Booking System Along With Gas Leakage	Mini Project (Vel Tech High Tech)	3 rd Place Cash Award Rs.700
Mahalakshmi & Gayathri.M	smart water storage system	Product idea incubation boot camp (Bhau Institute college of engineering , Pune)	5 th Place



Workshop

The students of I.T department participated for the “**Workshop**” conducted in various colleges are as given below:

- The following students are participated in workshop from various institution

<i>Students Name</i>	<i>Workshop Title</i>	<i>Name of The Organizing Institution</i>
S.Mukilan , D.Sundaram Subramanian & A.Vignesh	Mobile App Development	Microsoft Research Community
G.Shyam Sundar	Cloud Computing	Microsoft Research Community

D.Sindhu , T.Vishali & Muthupriya.L.N	Data Mining	Anna University
N.Prasanna Devi, C.Mahalakshmi & T.Sangeetha	Spy Botics	3indiya Technologies
M.Priya Dharshini , Manjula.P & A.Karthiga	Network-2016	Top International Educational Trust
Anantha Krishnan D, Arun S & Mohan. G	Ethical Hacking	G.Pullaiah College Of Engineering And Technology

Conference

<i>Students Name</i>	<i>Paper Title</i>	<i>Name of The Conference</i>
A.Philip Harrison ,& V.Muthaiah Muralidharan	Reliable And Consistent Storage Devices In Cloud Computing	Nconnect 2K15 (National)
S.Abinaya, S.Bhuvanewari & C.Maheswari	Managing And Configuring Network Through Software Defined Networks	Nconnect 2K15 (National)
V.Sangeetha	Efficient Data Communication And Frequency Reuse In Manet	ICRAAS 2016 (International)
Sheeba merlin	A Smart Heart Rate Sensing System In The Internet Of Things	ICRAAS 2016 (International)
A.Sri Janani	Analysis Of Decentralized On Demand Cross Layer In Cognitive Radio Ad Hoc Network	ICETS 2016 (International)
A.Aravindan	Priority Based Multi Sencar Technique In Wireless Sensor Networks	ICRAMET 16 (International)

Journal

<i>Students Name</i>	<i>Paper Title</i>	<i>Name of The Journal</i>
S. Anisha vincy	Remote Service Access Using Biometrics	Indian Journal Of Science And Technology
V.sangeetha	Efficient Data Communication And Frequency Reuse In Manet	International Journal Of Science And Innovative

		Engineering & Technology
V.savitha	Localization With Mobile Anchor Points Using Wireless Sensor Networks	Advances In Natural And Applied Sciences

Technical Events

Name Of The Student	Name Of The Organizing Institution	Name Of The Event	Regional/ National/ International
C.Mahalakshmi M.Gayathri	St.Peters College Of Engineering And Technology	Ireneus 2k15 - Surprise Event / Technical Quiz	National
G.Sandhiya C.Maheshwari L.Nivetha	Sri Sai Ram Institute Of Technology	Sintacs'15- Papier Zone / Web Spin /Tech-O-Treat /Bug War	National
Karthick.k Radhika.m	Sri Sai Ram Institute Of Technology	Hacking And Quiz In Dreadnought'15	National

Sports

Students Name	Name of the Event / Place	Price & Award
Vignesh.R	Takraw League / Tirunelveli	1 st Place
Ugesh kumar.k , K.Praveen & R.Suriya Varshini	Kho-Kho /Anna University,Chennai	3 rd Place

NCC - National Cadet Corps

Name Of The Student	Name Of The Organizing Institution	Name Of The Event	Price / Award
SINDHUJA.N	Dwaraka Doss Goverdhan Doss Vaihnay College National Cadet Corps	Skit	3 rd price