

VOLUME NO. 2 // ISSUE NO. 7 // MAY 2024

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#ITNLMAY2024

DEPARTMENT OF INFORMATION TECHNOLOGY



SRI VENKATESWARA COLLEGE OF ENGINEERING
Sriperumbudur - 602 117 (Autonomous - affiliated to Anna University)



CONTENTS

- 01** VISION & MISSION
- 02** PROGRAMME EDUCATIONAL OBJECTIVES
- 03** PROGRAMME OUTCOMES
- 05** PROGRAMME SPECIFIC OUTCOMES
- 06** STUDENT CORNER
- 14** FACULTY CORNER

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DEPARTMENT VISION

To produce higher calibre technologists and scientists for helping the country to attain new heights in Information Technology research and industrial needs to provide leadership in the field of technical education.

DEPARTMENT MISSION

1. To develop the department into a “Centre of Excellence in Information Technology” offering engineering education to the students at Undergraduate, Postgraduate and Doctoral degree levels.
2. To build students' total personality emphasizing ethical values, and nurture them to meet the growing challenges in the Information Technology industry.
3. To examine the research challenges and cater diverse societal needs of the Nation.

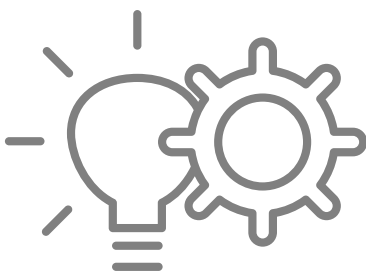
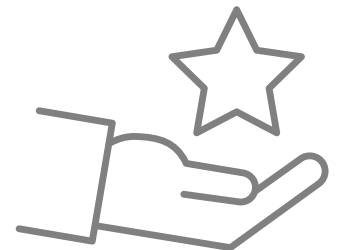
PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

The graduates of Information Technology program will demonstrate themselves as leading professionals.



The graduates of Information Technology program will be equipped with the necessary skills to become proficient researchers.

The graduates of Information Technology program will demonstrate their abilities as successful entrepreneurs.



The graduates of Information Technology program will excel in higher studies or modern administrative services.

PROGRAM OUTCOMES (POs)

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

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- **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.
- **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- **Individual and team work:** Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.
- **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.
- **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.
- **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.

PROGRAM SPECIFIC OUTCOMES (PSOs)

The B.Tech Information technology programme demonstrates the following two Programme Specific Outcomes (PSOs):

1. Exhibit proficiency in examining standard business operations in order to create and implement suitable Information Technology solutions.
2. Demonstrate the ability to establish an IT infrastructure, effectively manage resources, and ensure data security.

STUDENT ACHIEVEMENTS

PLACEMENT CORNER



Roheth S of final year

- got an offer from Lumel with a salary package of **5 LPA.**
- got an offer from Tech Mahindra with a salary package of **3.25 LPA.**



Aravind J of final year got an offer from Delium with a salary package of **5.5 LPA.**

STUDENT ACHIEVEMENTS

PLACEMENT CORNER



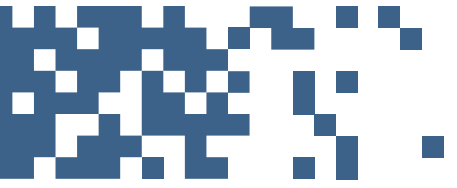
Yugeshwari D of final year got an offer from Tech Mahindra with a salary package of **3.25 LPA.**

Hariharan M K of final year got an offer from Tech Mahindra with a salary package of **3.25 LPA.**



Kaushik M of final year got an offer from Rapid Acceleration Partners with a salary package of **3 LPA.**

Paper Publications



Akshara U J, Harriharan M K of IV year INT 'A', Mr. Siva Alagesh S, AP/INT published a paper titled "Conversion of Transliterated English Words to Regional Language Words using Transformer Neural Networks" in the International Journal of Innovative Research in Computer and Communication Engineering, Volume 12, Issue 5, April 2024.

Madhumitha B, Mahalakshmi S, Megha Varsha S of IV year INT 'A', Ms. Jerusha S, AP/INT published a paper titled "Synchronized Video Translation: Adapting English Content for Tamil Audiences" in the International Journal of Innovative Research in Computer and Communication Engineering, Volume 12, Issue 5, April 2024.

Harish Kumar P, Jisshnu H J, Deva M of IV year INT 'A', Dr. Indumathi A, ASP/INT published a paper titled "Multimedia Security through Video Steganography Using Hybrid Encryption" in the International Journal of Innovative Research in Computer and Communication Engineering, Volume 12, Issue 5, March 2024.

Bharath S, Kaushik M of IV year INT A, Vijayalakshmi A of IV year INT B, Dr. Vidhya V, Prof/INT published a paper titled "Hotline AI - Voice Integrated Multilingual Chatbot to Assist National Welfare Schemes" in the International Journal of Innovative Research in Computer and Communication Engineering, Volume 12, Issue 5, May 2024.

Paper Publications



Audhithhiyah S, Durga N, Mr. Jerunez J of IV year INT 'A' and Ms.Aiswarya S, AP/INT published a paper titled "Sentiment analysis of Amazon reviews" in the International Journal of Innovative Research in Computer and Communication Engineering, Volume 12, Issue 5, May 2024.

Akshayakumar M , Aravind J ,Jeevanandh M of IV year INT 'A', Ms.Elakya R, AP/INT published a paper titled "Disaster Victim Detection Under Debris Environments" in the International Journal of Innovative Research in Computer and Communication Engineering, Volume 12, Issue 5, May 2024.

Athithya Kumar Thirumalaikumar, Chandrasekar V, Kanishka K of IV year INT 'A' Ms.Uma N, AP/INT published a paper titled "Earthquake Prediction on Spatio-Temporal Data Mining: An LSTM Based Approach" in the International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Volume 13, Issue 3, March 2024.

Advaith Ramana S , Jaiguganesh K , Keerthana P of IV year INT A , Ms. Kavishree S, AP/INT published a paper titled "E – Voting System Using A Deep Learning Model" in the International Journal of Innovative Research in Computer and Communication Engineering, Volume 12, Issue 5, May 2024.

Paper Publications



Ganesh Prabu.R, Harish Ragavendra.P Harinarayanan.B of IV year INT A , Dr. Kiruthika Devi .K, ASP/INT published a paper “Clinical Outcome Prediction In Healthcare Using Machine Learning” in the International Journal of Innovative Research in Computer and Communication Engineering, Volume 12, Issue 5, May 2024.

Dr.K.Suresh, ASP/INT, Vijayashree Kumar , and Gayathri Nambi of IV year INT B published a paper “Testing and Identifying clickjacking vulnerabilities with AWS and EC2 Instance” in the International Journal Of Innovative Research In Technology, Volume 6 Issue 12, May 2024.

Benjamin Charles I of IV year INT A, Jyothi Praha S S, Vasanth V K of IV year INT B , Dr. Sukumar T, Prof/INT published a paper “E – Learning Using Gaming Environment” in the International Journal of Innovative Research in Computer and Communication Engineering, Volume 12, Issue 5, May 2024.

Siva E, Thanigaivelan A, Mohammed Ismail A of IV year INT B and Mr. Selvaganesh N, AP/INT published a paper “ChatBot For Healthcare System Using Artificial Intelligence” in the International Journal of Innovative Research in Computer and Communication Engineering, Volume 12, Issue 5, May 2024.

Mr. Praveen Kumar R, Shree Ganesh S, Srigopinath A of IV year INT B, Mr. Ranjith V, AP/INT published a paper “Intelligent Public Space Crowd Monitoring and Alert System” in the International Journal of Innovative Research in Computer and Communication Engineering, Volume 12, Issue 5, May 2024.

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Paper Presentation in Conferences

S. Padmadhrshini, . Sangeetha, B. Preetha, III year INT under the guidance of **Dr. D. Jayanthi** presented a paper titled “A Comparative Analysis of Detecting Suicidal Ideation using Machine Learning and Deep Learning Models” at NCICRCET’24, 2nd National Conference on Innovative Computing Research and Cutting Edge Technologies in Computer Science and Engineering held at SVCE on 3rd May 2024.



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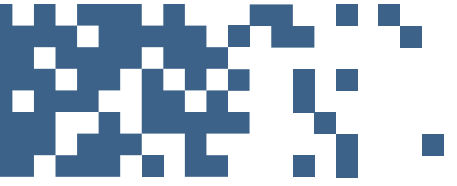
Paper Presentation in Conferences

Krithik Sai Prasad P, Lekhashree Rajesh of IV year INT 'A' Mr.E.Sivakumar, AP/INT presented a paper titled "Plagiarism checker for handwritten document with n-document analysis" in the 2nd National Conference on Innovative Computing, Research and Cutting Edge Technologies in Computer Science and Engineering (NCICRCET'24) organized by Sri Venkateswara College of Engineering on 3rd May 2024.

Gobinathan B, Yogendra Kumar AKM, Gowtham S of IV year INT 'A', Mr.V Praveenkumar, AP/INT presented a paper titled "Detection of Chronic Kidney Disease from Retinal Images using Transfer Learning" in the International Conference On Information Technologies And Smart Systems (ICITSS 2024) organized by CSE, ECE & EEE departments of JP College of Engineering, held on 3rd and 04th April 2024.

Meghavarshini Kumareshan of IV year INT A, Dr.G.Sumathi, Prof/INT presented a paper titled "Multi cancer detection using VGG-16 and Efficient Net with SHAP AI" in the 2nd National Conference on Innovative Computing, Research and Cutting Edge Technologies in Computer Science and Engineering (NCICRCET'24) organized by Sri Venkateswara College of Engineering on 3rd May 2024.

Paper Presentation in Conferences



Varun M ,Vijay K , Vijayaragavan T of IV year INT B , Dr.Kala A, ASP/INT presented a paper titled “Eye Fundus Disease Classification Using Artificial Intelligence” in the 2nd National Conference on Innovative Computing, Research and Cutting Edge Technologies in Computer Science and Engineering (NCICRCET’24)organized by Sri Venkateswara College of Engineering on 3rd May 2024.

M Prathibha M , Rithika B , Sahana S of IV year INT B , Mr.A.Thiyagarajan, AP/INT presented a paper titled “A Comprehensive Analysis Of Military Aircraft Classification Using Deep Learning Techniques” in the 2nd National Conference on Innovative Computing, Research and Cutting Edge Technologies in Computer Science and Engineering (NCICRCET’24)organized by Sri Venkateswara College of Engineering on 3rd May 2024.

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FACULTY CORNER

R&D Projects offered by BIS

Dr.A.Kala, ,Dr.P.Sharon Femi, ,Dr.A.Indumathi, received **Rs.8.35 lakhs** towards the BIS project titled "**Study of Reference architecture for Smart Manufacturing in India**".



DR. A. KALA



DR. P. SHARON FEMI



DR. A. INDUMATHI

FDTP Grant Received

Dr.P.Sharon Femi , Dr.A.Kala received the grant of **Rs.35,000/-** , sanctioned by the Centre for Faculty & Professional Development, Anna University, Chennai for conducting **Six-Day FDTP on "CCS355- Neural Networks and Deep Learning"**.



DR. P. SHARON FEMI



DR. A. KALA

Patent Publication



DR. A. KALA



DR. P. SHARON FEMI

Dr. A.kala, Mr S Hariharan, Mr B Madhavan, Mr Mohammed Sakeeb, final year students of INT & Dr. P. Sharon Femi published a Patent titled "CAREMATE-An integrated elderly support system", Application No. 2022441035992A, filed on 7/5/2024 and published on 17/5/2024, in IPR.

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|---|---|
| (12) PATENT APPLICATION PUBLICATION | (21) Application No.202441035992 A |
| (19) INDIA | |
| (22) Date of filing of Application :07/05/2024 | (43) Publication Date : 17/05/2024 |
| (54) Title of the invention : CAREMATE-AN INTEGRATED ELDERLY SUPPORT SYSTEM | |
| (51) International classification | :G16H0020100000, A61J0007040000, G08B0021040000, G16H0020700000, G06Q0050260000 |
| (86) International Application No | :NA |
| Filing Date | :NA |
| (87) International Publication No | : NA |
| (61) Patent of Addition to Application Number | :NA |
| Filing Date | :NA |
| (62) Divisional to Application Number | :NA |
| Filing Date | :NA |
| (71)Name of Applicant : | |
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| 2)HARIHARAN.S | |
| 3)MADHAVAN.B | |
| 4)MOHAMMED SAKEEB.M.H | |
| Name of Applicant : NA | |
| Address of Applicant : NA | |
| (72)Name of Inventor : | |
| 1)Dr. A.KALA | Address of Applicant :Associate Professor, Department of Information Technology, Sri Venkateswara College of Engineering, Sriperumbudur, Tamil Nadu-602117. ----- |
| 2)HARIHARAN.S | Address of Applicant :Student, Department of Information Technology, Sri Venkateswara College of Engineering, Sriperumbudur, Tamil Nadu-602117. ----- |
| 3)MADHAVAN.B | Address of Applicant :Student, Department of Information Technology, Sri Venkateswara College of Engineering, Sriperumbudur, Tamil Nadu-602117. ----- |
| 4)MOHAMMED SAKEEB.M.H | Address of Applicant :Student, Department of Information Technology, Sri Venkateswara College of Engineering, Sriperumbudur, Tamil Nadu-602117. ----- |
| 5)Dr. P.SHARON FEMI | Address of Applicant :Associate Professor, Department of Information Technology, Sri Venkateswara College of Engineering, Sriperumbudur, Tamil Nadu-602117. ----- |

Book Chapter Publication



DR. T. SUKUMAR

published a book chapter titled "Deep Learning based Object Detection in Real-Time Video" ,published by Taylor & Francis in the book "Intelligent Systems and Sustainable Computational Models: Concepts, Architecture, and Practical Applications".

The screenshot shows the Taylor & Francis Group website. The page displays the following information:

- Header:** Taylor & Francis Group, an informa business. Search for keywords, authors, titles, ISBN.
- Navigation:** About Us, Subjects, Browse, Products, Request a trial, Librarian Resources.
- Breadcrumbs:** Home > Computer Science > Information & Communication Technology (ICT) > Communication Technology > Learning-Based Object Detection in Real-Time Video
- Chapter Title:** Deep Learning-Based Object Detection in Real-Time Video
- Author:** By T. Sukumar
- Book Title:** [Intelligent Systems and Sustainable Computational Models](#)
- Metadata:**
 - Edition: 1st Edition
 - First Published: 2024
 - Imprint: Auerbach Publications
 - Pages: 14
 - eBook ISBN: 9781003407959

Book Chapter Publication



DR. D. JAYANTHI

published a book chapter titled "A Comparative Analysis of Deep Learning Models for Fake News Detection and Popularity Prediction of Articles" which is published in Taylor and Francis in the book "Intelligent Systems and Sustainable Computational Models: Concept, Architecture and Applications".

Home > Computer Science > Information & Communication Technology (ICT) > Communication Technology > Intelligent Systems & Sustainable Computational Models > Comparative Analysis of Deep Learning Models for Fake News Detection and Popularity Prediction of Articles



Chapter

A Comparative Analysis of Deep Learning Models for Fake News Detection and Popularity Prediction of Articles

By *Jayanthi Devaraj*

Book [Intelligent Systems and Sustainable Computational Models](#)

| | |
|-----------------|-----------------------|
| Edition | 1st Edition |
| First Published | 2024 |
| Imprint | Auerbach Publications |
| Pages | 20 |
| eBook ISBN | 9781003407959 |



Share

Resource Persons



DR. V. VIDHYA

served as chief guest for the awareness programme organized by Indian oil corporation to mambakkam village people.



DR. D. JAYANTHI

served as a resource person for one day hands-on Training on Servlets and database applications at DMI College of Engineering on 25.05.2024.



Resource Persons



DR. P. SHARON FEMI

acted as Faculty evaluator in the One week Tech Star Summit- A mega project presentation event at Saveetha School of Engineering on April 30th 2024.



FACULTY CORNER

Paper Presentation in Conferences

T Sanjiv, N Srijan Kumar, RS Sushant Sriram, final year IT under the guidance of Dr.T.Sukummar won the Best Presentation for the paper entitled Face Wallet in International Conference on Advancements in Science, Engineering and Management (ICASEM) 2024 Jointly Organized by Vidya Vihar Institute of Technology, Purnea, Bihar, India & RSP Conference Hub, Coimbatore, Tamilnadu, India on 30/05/2024 & 31/05/2024.



FACULTY CORNER

Paper Presentation in Conferences



Paper Presentation in Conferences

Dr. D. Jayanthi, Mr. S. Roheth, Mr. S. Roshaan and Mr. M. Syed Mohideen Afridi, IV year INT presented a paper titled “Machine Learning based Cyberbullying Detection using Twitter Dataset” at NCICRCET’24, 2nd National Conference on Innovative Computing Research and Cutting Edge Technologies in Computer Science and Engineering held at SVCE on 3rd May 2024. **(Received Best Paper Award of Rs. 1000/-)**



Paper Presentation in Conferences

Mr.Aadharasha Yadhav H, Ms. Keerthana R, Mr. Kiran Kumar B of IV year INT A, Dr. Sharon Femi P, received **Best Paper Award with a cash prize of Rs.1000** for the paper titled “An Automatic Approach to Enhance Image Captioning through Dual Model Fusion” in the in the 2nd National Conference on Innovative Computing, Research and Cutting Edge Technologies in Computer Science and Engineering (NCICRCET'24) organized by Sri Venkateswara College of Engineering on 3rd May 2024.



EVENTS ATTENDED

Dr. V.M.Sivagami,
Dr. D. Jayanthi,
Dr. K.KiruthikaDevi,
attended five days online FDP on **“Generative AI Unleashed: Exploring the Possibilities and Recent Trends”** during April 1st to April 5th 2024, organized by the Department of Computing(Decision and Computing Sciences), Coimbatore Institute of Technology.



Mr. E. sivakumar attended 2-days Research Seminar on "Deep Learning and Generative-AI" organized by the Department of Information Science and TEchnology, CEG Campus, Anna University on May 17-18, 2024



PROGRAMMES OFFERED

- B.Tech Information Technology
- M.Tech Cyber Forensics and Information Security
- Doctor of Philosophy (Ph.D)



CONTENT COMPILATION



Dr. V. Vidhya
HOD/IT



Dr. P. Sharon Femi
Associate Professor



Mr. N. Selvaganesh
Assistant Professor

NEWSLETTER EDITORS

Dr. P. Leela Rani
Associate Professor



A. Aarthi
II Year IT-A



M. Buvarna Rithika
II Year IT-A



S. Keerthana
II Year IT-A



Sanjana Madankumar
I Year IT-B



DEPARTMENT OF INFORMATION TECHNOLOGY

SALIENT FEATURES

- Pioneered the introduction of the B.Tech IT degree programme.
- Centre of Excellence in Data Science & Cybersecurity
- Autonomous, Choice Based Credit System and Industry driven curriculum.
- Scope to acquire B.E. / B. Tech. (Honours) or Minor Degree.
- State-of-the-art facilities & industry supported laboratories.
- Interdisciplinary industry oriented research projects.
- Merit, Economic means, Merit-cum-Economic means & Sports scholarships to the deserving students.
- Excellent Career guidance - placement /masters in abroad universities / Civil services examinations / entrepreneurship.
- Sponsorship for professional skill development, Extra Curricular and Co-curricular activities.
- MoUs with various industries.
- An exclusive product development centre.



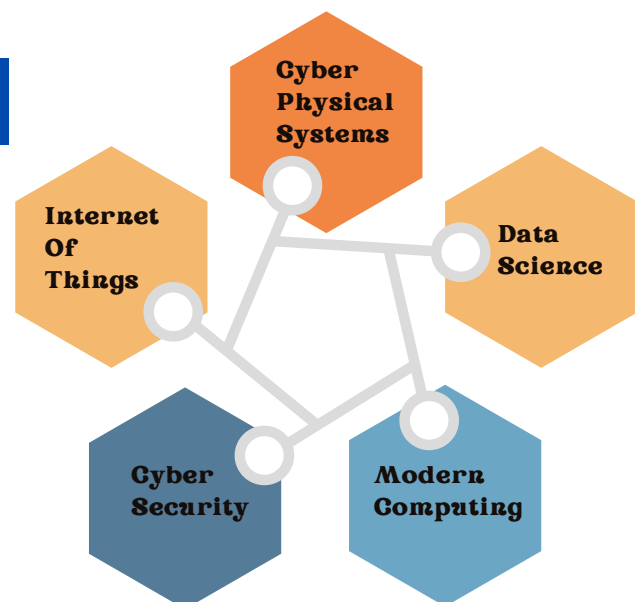
PROGRAMMES OFFERED

- B.Tech Information Technology
- M.Tech Cyber Forensics and Information Security
- Doctor of Philosophy (Ph.D)

CAMPUS ADDRESS

Sri Venkateswara College of Engineering ,
Post Bag No.1, Pennalur Village, Chennai - Bengaluru
Highways, Sriperumbudur (off Chennai) Tk. - 602 117
Tamil Nadu, India

Research Themes



DEPARTMENT OF INFORMATION TECHNOLOGY



M.Tech CYBER FORENSICS & INFORMATION SECURITY



About

M.Tech Cyber Forensics and Information Security is a comprehensive 2 years PG program designed to equip students with the knowledge and practical skills necessary to excel in the field of cybersecurity.

■ CHIEF INFORMATION SECURITY OFFICER

■ FORENSIC COMPUTER ANALYST

■ INFORMATION SECURITY ANALYST

■ PENETRATION TESTER

■ SECURITY ARCHITECT

■ IT SECURITY ENGINEERS

■ SECURITY SYSTEM ADMINISTRATOR

■ IT SECURITY CONSULTANT

ELIGIBILITY



BE or B.Tech in

- Information Technology
- Computer Science and Engineering
- Electronics Engineering
- Electronics and Communication Engineering
- Information Security and Digital Forensics
- Other relevant branches from recognized institutions



FINANCIAL SUPPORT

Management Scholarship

Merit + Merit cum means + Economic means + Sports Scholarship

AICTE - PG Scholarship

Rs.12400 per month for 24 months for GATE/GPAT qualified PG students.

UGC - Post-Graduate Indira Gandhi Scholarship

For single girl child for PG programs Rs.3100 per month for 20 months.

Scholarships @ Rs.7,800/-per month (ME/M.Tech)

Contingency A @ Rs.15,000/- per annum (ME / M.tech)

- Tuition fees waiver (Rs.50,000/year) for 30% of the student class strength on merit basis as applicable.
- Management scholarships under economic means and merit cum means for tuition fees and assistance for books and instruments.
- Financial assistance to support innovative PG Projects under intramural research grant scheme.
- Sponsorship for students to attend conferences.

Check out the website for more information or contact us

SUPPORT FOR PG STUDENTS

- Student research day to appreciate innovative research projects
- Providing placements in Information Technology based core companies such as CTS, TCS, Infosys, Accenture, Wipro, Ericsson
- Outstanding PG student award for a final year PG student.
- NPTEL, MOOC, Coursera and AWS certification courses are available.
- Students are encouraged to compete for awards such as TNSCST, INAE, Gandhian award and so on.
- Encouraging students to publish the research work in reputed national and international journals
- Career guidance and Counselling support provided. The Department has six functional MoU's with industries like Gemini communications, WriteIT and Infoziant (P) Ltd.. which in turn helps the student for internship, training and placement
- Industrial visits and guest lectures by Subject Matter Experts from institutions and industries to improve research and academic activities
- Students can access IEEE, Springer, ACM, Elsevier and reputed Journals in the campus which helps them to carry out their project and research work effectively
- Encouraging students leaderships quality by organising National level technical symposium
- Horizon - A technical research magazine of IT department gives the opportunity to students to showcase their innovative research ideas

