



Sri Venkateswara College of Engineering

Issue: 11

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Newsletter SEPTEMBER 2023

DEPARTMENT OF INFORMATION TECHNOLOGY

SRI VENKATESWARA COLLEGE OF ENGINEERING

Sriperumbudur - 602 117 (Autonomous- affiliated to Anna University)

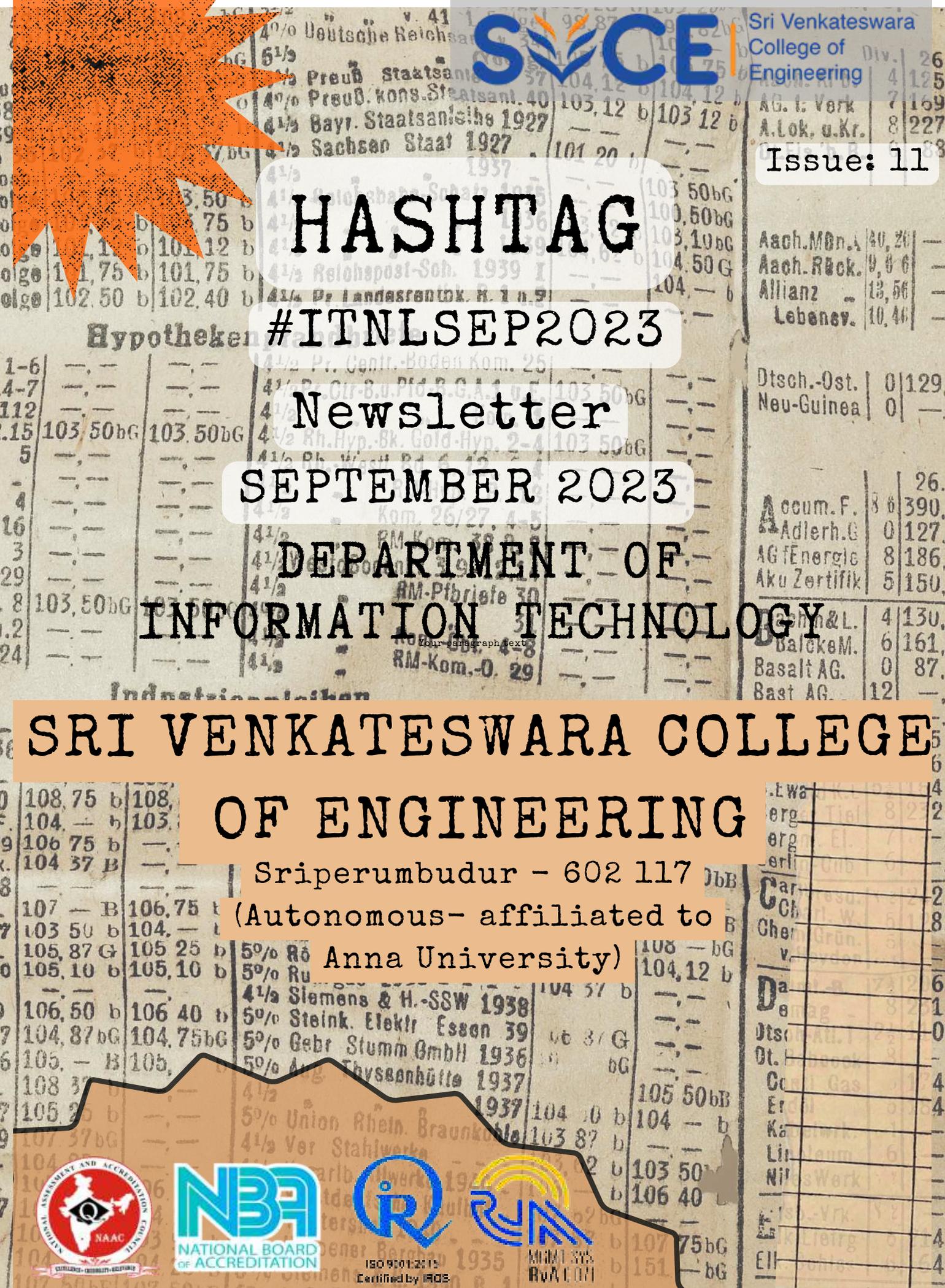
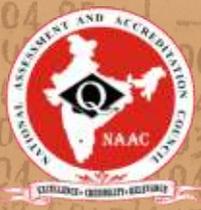


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DEPARTMENT VISION

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)

1. The graduates of Information Technology program will demonstrate themselves as leading professionals.
2. The graduates of Information Technology program will be equipped with the necessary skills to become proficient researchers.
3. The graduates of Information Technology program will demonstrate their abilities as successful entrepreneurs.
4. The graduates of Information Technology program will excel in higher studies or modern administrative services.



PROGRAMME OUTCOMES (POs)

- 1. Engineering Knowledge:** 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.



PROGRAMME OUTCOMES (POs)

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.

PROGRAMME OUTCOMES (POs)

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.

PROGRAMME 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

PAPER PRESENTATION

Mr. Sathyam Kumar, Mr. Sri Hari Soundar J, Mr. Vijay M, Mr. Varun Sah V R from II year INT 'B' secured Third place with a cash amount of Rs.1000 for the Paper presentation event conducted during National Level Technical Symposium – Sparkle 2023 on August 31st & September 1st, 2023 at Dr.MGR Educational and Research Institute under the mentorship of Dr. K. Kiruthika Devi.



ALUMNI SCHOLARSHIP (1985-89 BATCH)



Aarthi A. from II Year IT got selected for Alumni Scholarship (1985-89 Batch) from the Academic year 2023 - 2024.

STUDENT ACHIEVEMENTS

Mr. Sri Harihara Sudhan M, Mr. Sujith U and Mr. Nithishwar G from III year INT 'B' secured Second place with a cash amount of Rs.3000 in the Innovators Day 2023 conducted by Sri Manakula Vinayagar Engineering College, Puducherry on 15th September 2023 under the mentorship of Dr.V.Vidhya.



Jerunez, Benjamin Charles, Kiruthika, Dhanush, Kanishka, Athithya kumar from IV year INT A, Subash V, Naveen Akash K, Sri Hari Hara Sudhan M and Nanthanavalli V from III year INT B presented their projects in the "AB INITIO" - A State Level Science Expo for 9th - 12th class students across the state on September 4th, 7th & 8th, 2023.



STUDENT ACHIEVEMENTS

Mr. Dharnish P from III year INT 'A' secured Second place with a cash amount of Rs.2000 for the Tech Pitch event conducted during National Level Students Symposium on 2nd September 2023 at St. Joseph's Institute of Technology under the mentorship of Ms. R. Saktheeswari.



Mr. G.Bhaskar from III year INT 'A' secured Third position with a cash prize of Rs.500 for the Beyond the visuals event at Chennai Institute of Technology on 20th September 2023 under the mentorship of Dr. A. Indumathi.

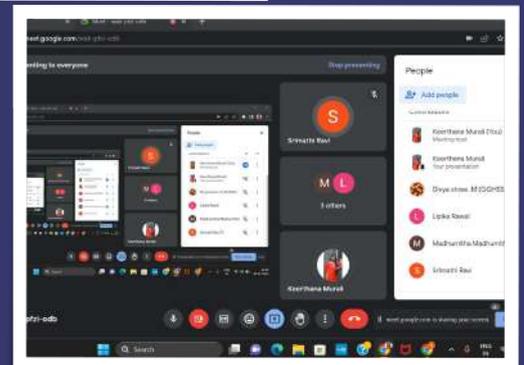


Mr. Chithaprabhakaran K from III year INT 'A' secured First position with a cash prize of Rs.1000 for the X-Coders technical event at Chennai Institute of Technology on 20th September 2023 under the mentorship of Dr. P. Sharon Femi.



CONTRIBUTION TO THE SOCIETY

Rtr. Keerthana M, Rtr Kaushick VS and Rtr. Shalini G of III year A organized and conducted an event named **Elevate U - Let's walk together** at the Government Higher Secondary School, Sriperumbudur to educate and support them regarding the TNEA Counselling and the 7.5% quota system. The project was held over a period of six months.



ACHIEVEMENT IN CHESS



Swetha B III year IT-'B' is a part of the team that secured Runners up trophy in the Anna University zonal Chess tournament organized by Saveetha Engineering College on September 23, 2023.

PLACEMENT ACTIVITIES

Aakkash S & Hariharan S is placed in Devrev with a Salary Package of 12 LPA & 7 LPA respectively.

Krithika S is placed in Newgen with a Salary Package of 4.5 LPA.



Lekhashree Rajesh & Roshaan S are placed in Worldline with a Salary Package of 6.5 LPA.



Athithya Kumar T, Danush E S, Rithika B, Sanjiv T S & Varun M are placed in Tata Elxsi with a Salary Package of 3.5 LPA.

Keerthana R is placed in Intellect Design Arena Ltd with a Salary Package of 5 LPA.

FACULTY ACHIEVEMENTS

CHAPTER PUBLICATION

Dr. Kiruthika Devi. K, Associate Professor, and Mr. Badri Narayanan (Alumni 2022 Batch), Software Engineer, ADF Data Science Pvt. Ltd., Published a Book chapter titled "ANALYZING FINANCIAL WEALTH USING HYBRID SYSTEM TECHNOLOGY " which is published as chapter 28 in the Book titled, "Digitalization of the Indian Financial Sector ".



Dr. Kala A & Dr. P. Sharon Femi published a Book chapter titled "Monthly Rainfall Forecasting Using Sequential Models" as a part of the "Lecture Notes in Networks and Systems" book series, volume 725, Springer, Singapore.



INTRAMURAL RESEARCH GRANT

Principal Investigator: Dr.A.Kala
Co-Principal Investigator: Dr.P.Sharon Femi
received Rs. 1,00,000 under the SVCE
Intramural research grant for the project titled "IoT based predictive model for real time stress detection in youngsters".



FACULTY PARTICIPATION

Mr. E Sivakumar participated in "Talkathon - EDC Faculty Coordinators meet - Chennai Zone" organized by CED, Anna University at Anna University on September 4, 2023.



ANNA UNIVERSITY CONVOCATION

Dr. Leela Rani P, Dr. Kala A, Dr. Kiruthika Devi K, Dr. Indumathi A & Dr. Kalavathi S received their PhD degrees from our Hon'ble Governor of Tamil Nadu R. N. Ravi in the 43rd Annual convocation at Anna University on September 5th, 2023.



MENTORING SESSION

Mentoring of Smart India Hackathon participants was done by Dr. K. Kiruthika Devi on September 13, 2023.



NBA MOCK AUDIT

Mock Audit for NBA was conducted on September 14th & 15th, 2023.



GUEST LECTURE ORGANIZED

AIT-Inaugural function & guest lecture titled "Data and Artificial Intelligence: The Way Forward" was organized on September 13th, 2023.

Chief Guest for the event: Ms. Shruthi Chander Sekhar, Strategic HR Business Partner IBM, Chennai.



WORKSHOP ORGANIZED

Valedictory 2022-23 and Inauguration Ceremony of FODSE 2023-24 was organized on 20th September 2023.

Mr. Jayaraja Kumaran, Engagement Partner – India Operations at Surge Technology Solutions Inc, Founder and Managing Trustee, Neeyumnanae Foundation and an IT alumni of SVCE, was the chief guest.

Coordinators: Dr. T.J. JeyaPrabha & Dr. N. Devi.

INTERNAL HACKATHON

Internal Hackathon for SIH 2023 was held on September 23rd & 24th, 2023.

The event was coordinated by Mr. V. Gurusamy, AICTE Coordinator, Dr. N. Devi, Dr. P. Leela Rani & Mr. AR. Guru Gokul along with faculty members of other departments.



EXPERT TALK ORGANIZED

Dr. V Vidhya, HOD/INT and Mr. E Sivakumar, AP/INT, in association with SVCE-EPIC, organized an expert talk on "Sensitization on Inventory Management" on Sep 20, 2023. Mr. K Selva Raju, Director, Sri Kumaran Pvt Ltd delivered the talk to the Entrepreneur aspirants.



CYBERSECURITY AWARENESS BY KANCHIPURAM POLICE

Awareness was created among the students on September 12th, 2023.



INDUSTRIAL VISIT

Second year IT A and B sec students visited RETECH solutions pvt Ltd on August 16th & 17th, 2023.



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
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- Mr. N. Selva Ganesh
Assistant Professor

Newsletter Editor

Dr. P. Leela Rani
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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



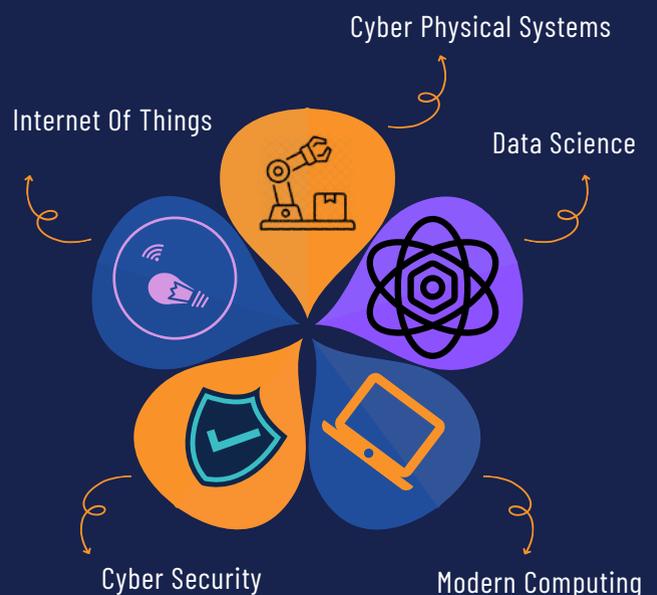
PROGRAMMES OFFERED

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

CAMPUS ADDRESS

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RESEARCH THEMES



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 students 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.

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 etc.
- 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 their research work in reputed national and international journals.
- Career guidance & Counselling support is provided. The Department has six functional MoU's with industries like Gemini communications, WriteIT and Infoziant (P) Ltd., which in turn helps students for internships, training and placement.
- Industrial visits and guest lectures by Subject Matter Experts from premier 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 organizing National level technical symposium.
- Horizon - A technical research magazine of IT department gives the

ABOUT

THE PROGRAM

Cyber Forensics and Information Security (CFIS) is a 2 years PG Program. CFIS enables data confidentiality, security and integrity from unauthorized sources and cyber threats. In the digital era, it is necessary to secure network and data from cyber threats. The program paves way for a variety of job opportunities.

Chief Information Security Officer

Forensic Computer Analyst

Information Security Analyst

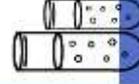
Penetration Tester

Security Architect

IT Security Engineer

Security Systems Administrator

IT Security Consultant



ELIGIBILITY CRITERIA

B.E / B.TECH

1. Information Technology
2. Computer Science and Engineering
3. Electronics Engineering
4. Electronics & Communications Engineering and other relevant branches from recognized institutions.

**DEPARTMENT OF
INFORMATION TECHNOLOGY**

New Program



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