

Volume

02

SREENIDHI INSTITUTE OF SCIENCE AND TECHNOLOGY

Horizon

EPHEMERAL EXPRESSION

A 2024

VISION

Pioneering progress, the Information Technology Department is a hub where algorithms dance and networks connect the dots of tomorrow.

Horizon

Sreenidhi Institute of Science and Technology (SNIST), Hyderabad, Telangana, is a non-profit organization founded by a group of Industrialists, Academicians, Professionals and Non-Residential Indians with an idea of imparting purposeful education to the youth. SNIST, which is being sponsored by the Sree Educational Group was established in the year 1997 by Dr. K.T. Mahhe, an extraordinary educationist, a pragmatic leader, and a dynamic entrepreneur with rich experience in Academics and Industry with the permission of AICTE, New Delhi and the Government of Andhra Pradesh. The Institute offers 11 UG (B.Tech) and 9 PG (M.Tech and MBA) programs. SNIST is striving hard to empower the students in their technical knowledge and imbibe adequate skills through teaching by eminent faculty. The present annual intake of the Institute is 1836. The institution has been accredited by NAAC with A+ grade and NBA, New Delhi. SNIST celebrated 25th year (Silver Jubilee) and stepping in .

The Department of Information Technology was established in 1997 with a view of providing quality education in professional, core and multidisciplinary areas. The UG intake of 264 apart from PG program (CNIS) with 24 seats. The Department of Information Technology is strong in research activity, especially in the areas like Data Analytics/Information Security/AI/ML/IOT/Deep learning, etc. The Department has 11 Ph.D. holders and 10 faculty members pursuing Ph.D. The department has been accredited by NBA-AICTE and NAAC. The Department periodically organizes sponsored FDP/STTP. The Department of Information Technology has been recognized as an Authorised Academy by PALO ALTO Networks one of the leading Cyber Security companies.

Sreenidhi Institute of Science and Technology



SNIST is dedicated to achieving excellence in technical education, research, and consulting through a result - oriented curriculum focusing on continuous improvement by benchmarking against the best practices globally. We ensure that every student is equipped with the proper skillset, domain knowledge, and hands-on experience so that they are readily accepted by the industry and join the global workforce. Our students are exposed to a variety of student-driven clubs, extracurricular and co-curricular activities which transform them into confident individuals and competent.

Mr.K.Abhijit Rao
CEO, Sreenidhi Institute of
Science and Technology



It is another great achievement for the Department of Information Technology to bring out a new edition of HORIZON—the yearly magazine and I congratulate the entire team. The Information Technology Department has been in the forefront of the Institute in many areas, whether it is academic, placements, start up or even extracurricular activities. And it is the culmination for an academic year to keep everything in one place, in the form of a magazine. The HOD and faculty as well as students of the department are working with lots of enthusiasm to bring out this magazine, the same enthusiasm which reflects the achievements of the department. This is also a clear proof that the Department encourages the students for achieving other goals of life in addition to quality education. Once again, congratulations to the whole team and best of luck to the students of the department.

Dr. T. Ch. Siva Reddy
Principal, Sreenidhi Institute of
Science and Technology



As the Head of the Information Technology Department, I am proud of the advancements our college has made in Technology. We strive to provide the Best Infrastructure and support services, ensuring technology is a facilitator of education and research. Despite the challenges of the COVID-19 pandemic, we have adapted swiftly, enabling remote learning, online collaboration, and virtual events. We have also implemented enhanced security measures. Moving forward, we are excited to explore innovative uses of technology, staying up-to-date with trends, and providing our college community with the necessary tools to succeed. I extend my gratitude to our dedicated IT team, college leadership, faculty, staff, and students for their support in making our technology initiatives successful.

Dr. Sunil Bhutada
Professor, IT HOD

A close-up photograph of a person's hands holding a smartphone. The screen of the phone displays a digital menu with the word 'BITES' in large letters and 'BIRDS' in smaller letters below it. The background is blurred, showing what appears to be a restaurant or food establishment.

BITS & BITES

No. of PhDs in the Department

11

Faculty Publications

114

Faculty Awards

5

Student Development Programs

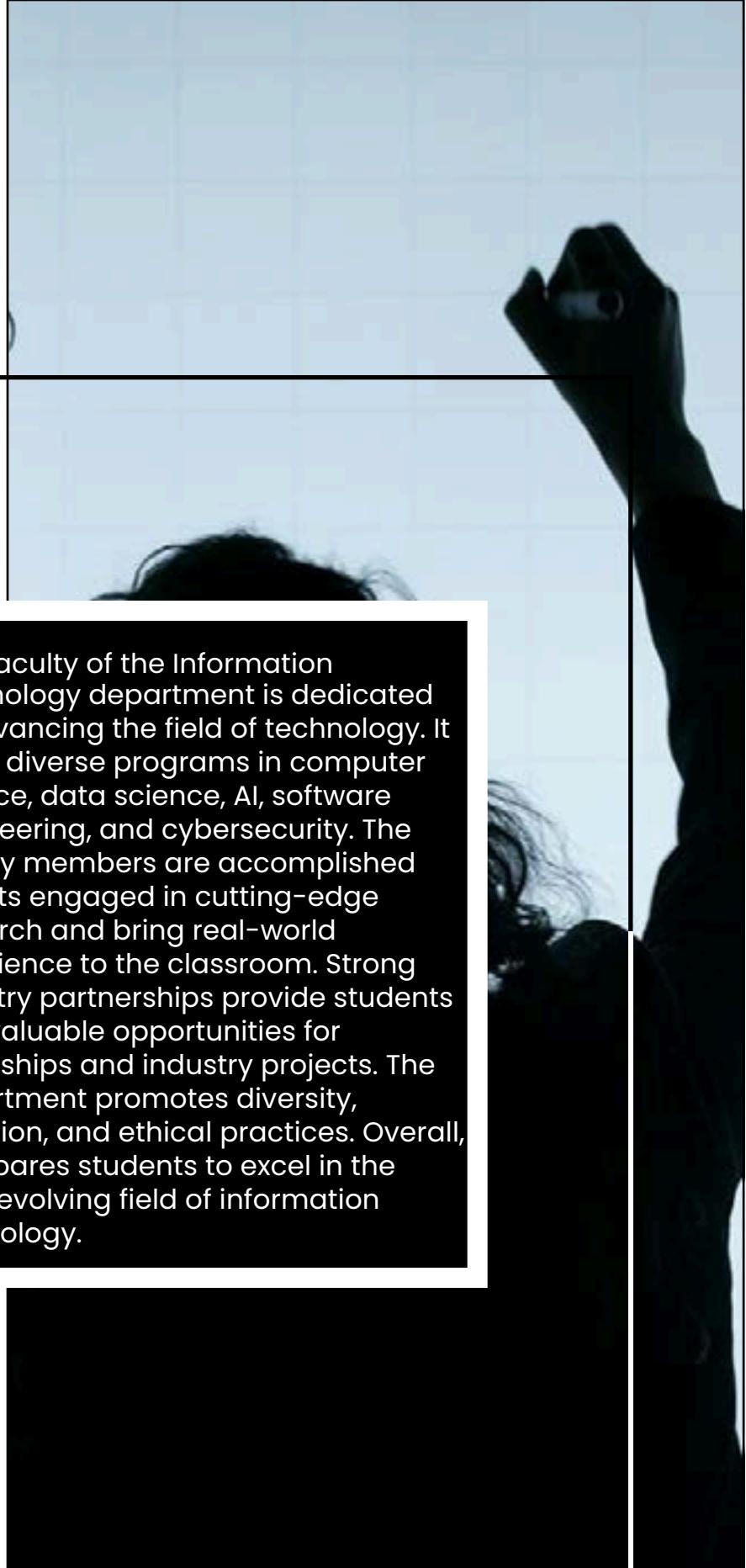
4

No. of Books Published

5

OUR FACULTY

The faculty of the Information Technology department is dedicated to advancing the field of technology. It offers diverse programs in computer science, data science, AI, software engineering, and cybersecurity. The faculty members are accomplished experts engaged in cutting-edge research and bring real-world experience to the classroom. Strong industry partnerships provide students with valuable opportunities for internships and industry projects. The department promotes diversity, inclusion, and ethical practices. Overall, it prepares students to excel in the ever-evolving field of information technology.



PROFESSORS



Dr. Sunil Bhutada
Professor, IT HOD



Dr. B. Indira
Professor, IQAC Di-
rector



Dr. K. Vijaya Lakshmi
Professor & Assoc.Dean,
Research



**Dr. N.Ch. Sriman
Narayana Iyengar**
Professor & Dean Library

ASSOCIATE PROFESSORS



Mr. P Sreedhar



Dr. K. Kranthi
Kumar



Dr. Subhani
Shaik



Dr. V. Saravana
Kumar



Dr. M. Sreenivas



Dr. Y. Rohita



Dr. P.N. Siva
Jyothi



Dr. Ch Vijaya
Bhaskar

ASSISTANT PROFESSORS



Mr. M Naga Raju



Mr. M. Dhanaraju



Mr. S. Maruthi



Mrs. N. Sreevidya



Mrs. S. Usha Manjari



Mrs. P. Shanthi



Mr.R.Kameshwar
Reddy



Mrs. B.Hema
Kumari



Mr. A.Ravi
Kumar



Mr. K. Nirajan
Reddy



Mr. D.Bikshalu



Mr. G.Prasad



Mr. G. Nuthan
Kumar



Mr. K. Vigneswara
Reddy



Mrs. K. Nalini



Ms. J. Saritha



Mr.P.Mahesh
kumar



Ms.T.Shirisha



Mrs.K.Usha
Rani



Mr.Prakash



Mr.B.Ravinder
reddy



Mrs.R Pallavi



Mr Amarnaath



Mr.E. Ravi
Kondal



Mrs.M.Swapna
Kamakshi



Mrs.V.Monica



Mr.Ganesh Baburao
chavan



Mr.G. Raja
Ramesh



Mr.R.Ramesh



Mr.T.P.Sekhar



Ms.A.Mounika



Mrs.C.Sarika



Mrs.G.Sreeja



Mr.R.Uttham Sai



FACULTY AWARDS

Name of the Staff	Award
Dr.Sunil Bhutada	Certificate of recognition for Excellence in education by EDTECH Summit-Outlook Business
Dr.Ch.Vijaya Bhaskar	International Best Researcher Award
Dr. Sunil Bhutada Mr. B Ravinder Reddy Dr. B. Indira Dr. N. Ch. S N. Iyengar Dr. Rohita Yamaganti Dr. P N Siva Jyothi Dr.K.KarthikKumar Dr.Subhani Shaik Mr. Akinapally Ravi Kumar Mr. G. Raja Ramesh Mr. K. Vigneswara Reddy Mr. Kameshwara Reddy Mr. Punna Mahesh Kumar Mr. Sreenivas Mekala Ms S Usha Manjari	Research Incentive Awards at SNIST
Dr.Sunil Bhutada	Outstanding Scientist Award, INSO
Dr. N.Ch.Sriman Narayana Iyengar	Best Professor Award, AET
Dr.K.Vijaya Lakshmi	Incredible Researcher of World, IA&RW
Dr.K.Vijaya Lakshmi	Research Excellence Award
Dr.K.Kranthi Kumar	Dr.Sarvepalli RadhaKrishna Best Teacher Award
Dr. N.Ch.Sriman narayana Iyengar	Life-Time Achievement Award

MOMENTS



MOMENTS



SI.No	Academic Year	Scopus/ SCI/WOS	UGC	Total
1	2023-24	11	55	66
2	2022-23	18	69	87
3	2021-22	15	24	39
4	2020-21	28	14	42
5	2019-20	26	58	84
6	2018-19	19	64	83

FACULTY PUBLICATIONS

Sl.No	Academic Year	No. of Technical Programs Organized
1	2023-24	3
2	2022-23	6
3	2021-22	2
4	2020-21	3
5	2019-20	4
6	2018-19	3

Technical Programs ORGANIZED

STUDENT PLACEMENTS

virtusa

amazon



ORACLE

calsoft



Adobe

Microsoft

ADP

cognizant

IBM

SAP

HCL

salesforce

LT

Quark

Quick Heal

Security Simplified

verizon

Tech
Mahindra

EMERSON

accenture

d darwinbox

kony Mobilize the Enterprise

RESULT ANALYSIS

Passed out Batch	Total Percentage (%)
2020-24	87
2019-23	89
2018-2022	92
2017-2021	83
2016-2020	92

Academic Year	Average Salary Details	Highest Salary Offered
2023-24	5.7L	16.3L/Annum
2022-23	6.3L	35L/Annum
2021-22	5.5L	15.5L/Annum
2020-21	5L	18L/Annum
2019-20	5L	17L/Annum
2018-19	4.9L	23L/Annum

PLACEMENT DETAILS

SNIST is Spearheading Next-Gen Tech Transformation!



KAILASHNATH
20311A1201 (IT)



KOLLI SNEHITHA
20311A1229 (IT)



NAMPELLI MANIDEEP
20311A1240 (IT)



Heartiest Congratulations to Our Achievers!



SINGIRIKONDA SRIJANYA
20310A1217 (IT)



ADITHI M
20311A1245 (IT)



SRINIDHI YEDULLA
20311A1212 (IT)



We're thrilled to announce that these bright minds from the 2024 batch have been placed with the leading multinational telecommunications conglomerate AT&T!

SNIST Is Transforming Lives with Enhanced Career Opportunities!

Huge Congratulations to



P HASMITA REDDY
20311A1202 (IT)



MOHD AIMAN SALEEM
20311A12F1 (IT)



MAMIDI SRIKAR
20311A1209 (IT)

on getting placed with the leading global financial IT company



Wishing them a fulfilled life and a bright future ahead!

SNIST Launches Youngsters' Careers with Top-Tier Opportunities!

Kudos to the young achievers!



PONNAM VIGNESH (IT)
20311A1254



MANDI THUMMA (IT)
20311A1207

On securing placements with innovative enterprise customer data platform provider



Wishing you light speed ahead in your life and career!

PLACEMENT SUMMARY:

Over view :

Total Students Placed

	Higest CTC Offered	Average CTC
153	16,30,000	6,67,600

Top Recruiters:

Company	Number of Students	CTC Offered
Darwinbox	1	16,30,000
AT&T Communications Services India Pvt.Ltd.	3	16,00,000
Informatica	2	13,35,000
Salesforce	3	8,50,000
TransUnion	3	8,00,000
TechSophy	4	7,00,000

Companies with Multiple Placements:

Company	Number of Students	CTC Offered
Academor	22	6,00,000
Carelon	14	4,45,000
Accenture	13	4,50,000
Teachnook Edutech	11	6,00,000
Chegg India	10	4,00,000

CTC Distribution:

CTC Range	Number of Students
Above 10,000	8
8,00,000 - 10,00,000	9
6,00,000 - 8,00,000	50
Below 6,00,000	86

The placement summary for the IT department at SNIST is as follows:

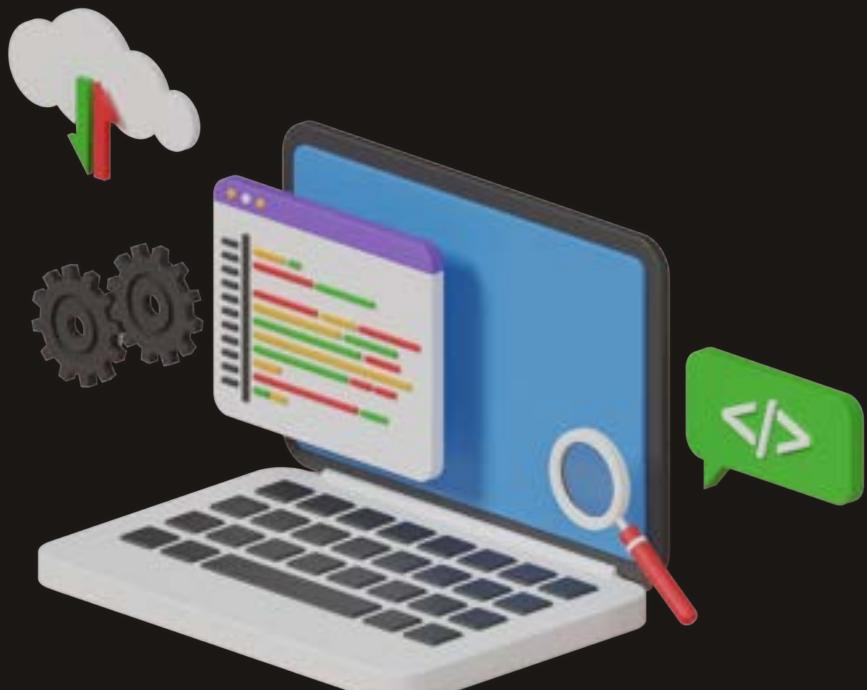
- A total of 153 students were placed.
- The highest CTC offered was ₹16,30,000 and the average CTC was 6,67,600.
- Top recruiters include companies like Darwinbox (offering ₹16,30,000), AT&T Communications (₹16,00,000), Informatica (₹13,35,000), Salesforce (₹8,50,000), TransUnion (₹8,00,000), and TechSophy (₹7,00,000).
- Companies with multiple placements include Academor (22 students placed at ₹6,00,000), Carelon (14 students at ₹4,45,000), Accenture (13 students at ₹4,50,000), Teachnook Edutech (11 students at ₹6,00,000), Chegg India (10 students at ₹4,00,000), and Palle Technologies (10 students at ₹5,00,000).
- The distribution of CTC ranges shows that 8 students received above ₹10,00,000, 9 students received between ₹8,00,000 to ₹10,00,000, 50 students received between ₹6,00,000 to ₹8,00,000, and 86 students received below ₹6,00,000.



TECHITOPIA



Student Development Programme Organised by
Department of Information Technology, SNIST,
on " ETL Tool " during December 12,2023



6th National Conference on “Advances in Information Technology and Computing”: Technology for the Future

The Department of Information Technology at Sree Nidhi Institute of Science and Technology (SNIST) is delighted to share the success of the recently concluded 6th National Conference on Information Technology, held on December 29th and 30th, 2023.



Distinguished Keynote Speakers: Esteemed experts from academia and industry graced the event, sharing their valuable insights and contributing to the intellectual vibrancy of the conference.

Technical Sessions: Engaging paper presentations and panel discussions covered a spectrum of topics, reflecting the diversity and depth of discussions in the field of Information Technology.

Networking Opportunities: Participants had the chance to connect with fellow researchers, industry professionals, and peers, fostering collaboration and knowledge exchange.

Workshops and Tutorials: Attendees benefited from hands-on workshops and tutorials, gaining practical insights into emerging technologies

Acknowledgments: We extend our heartfelt gratitude to all the participants, speakers, sponsors, and volunteers who contributed to the success of the conference. Your enthusiasm and commitment to the field of Information Technology have truly made this event memorable.

Next Steps:

Although the conference has concluded, the Department of Information Technology remains dedicated to promoting excellence and innovation. Stay tuned for upcoming departmental activities, workshops, and initiatives.

Student Development Program



**SREENIDHI INSTITUTE OF
SCIENCE AND TECHNOLOGY
DEPARTMENT OF
INFORMATION TECHNOLOGY**

**INSTITUTION'S
INNOVATION
COUNCIL**
(Gathering of MSc students)

Speaker :

Dr.Reshmi DC Das

**SDP on Professional
Development for Budding
Professionals**

Coordinator
DR.SUNIL BHUTADA,HOD-IT

Co-Coordinators
DR.Y.ROHITA
DR.P.N.SIVA JYOTHI

**7th June
2024**

Vaughn seminar hall
Fore noon for B.Tech II Year
Afternoon for B.Tech III Year

A large blue arrow points from the bottom left towards the seminar hall information. A network of blue lines and dots forms a triangular pattern in the bottom right corner.

5 Day VAC on "Machine Learning: Hands - on Training"



DEPARTMENT OF INFORMATION TECHNOLOGY

5-Day VAC on "Machine Learning : Hands-on Training"

July 1st to July 5th,2024



ABOUT VAC

The Department of Information Technology is organizing a 5-Day Value Added Course to provide a comprehensive introduction to machine learning and its practical applications using Python. Each day focuses on key aspects of machine learning, from fundamental concepts to advanced techniques, along with hands-on exercises to reinforce learning.

OBJECTIVES OF THE COURSE

This comprehensive VAC equips participants with a solid foundation in machine learning, combining theoretical knowledge with practical experience. The course covers Python basics, Jupyter Notebooks, data analysis with NumPy and Pandas, and essential data preprocessing techniques. Participants will learn to create visualizations with Matplotlib and Seaborn, explore supervised and unsupervised learning algorithms, and dive into advanced topics like neural networks and natural language processing using TensorFlow and Keras. The workshop includes hands-on exercises and a capstone project, ensuring participants can build, evaluate, and deploy machine learning models to solve real-world problems.

TOPICS TO BE COVERED

01-07-24	Introduction to ML and Python	Supervised, Unsupervised and Reinforcement Learning with Hands-on
02-07-24	DataPreprocessing and Visualization	Hands-on Preprocessing with Pandas, Creating Visualization with Matplotlib and Seaborn
03-07-24	Regression vs classification	Implementation with Scikit-learn
04-07-24	Clustering , Dimensionality Reduction	Implementation of K-means, PCA Crossvalidation, Overfitting, Underfitting
05-07-24	Introduction to Neural Networks Implementation with Tensorflow and Keras	Implementation of Capstone Project

COURSE TIMINGS

9:30 a.m. to 12:00 p.m.
1:00 p.m. to 3:00 p.m.

REGISTRATION LINK

https://docs.google.com/forms/d/e/1FAIpQLSd3pOsYjWTAqnn7PJ5IQzsmIAJfTUvVgpd9hlxI_8jVgBF1A/viewform?usp=sf_link

Chief Patrons:
Mr. Abhijit Rao Katikaneni, CEO, SNIST
Dr. T. Ch. Siva Reddy, Principal, SNIST

Convenor:
Dr. Sunil Bhutada, HOD-IT, SNIST

Organized by:
Dr.Y.Rohita
Dr.P.N.Siva Jyothi

Course Coordinators:
Dr N.Ch.S.N.Iyengar
Dr Vijaya Lakshmi
Dr Subani Shaik
Mr.Ravinder Reddy B

RESOURCE PERSONS

Faculty from Eminent Institutes and Industry Experts

VENUE

Seminar hall-1

ATTENDEES

B.Tech III YR II SEM

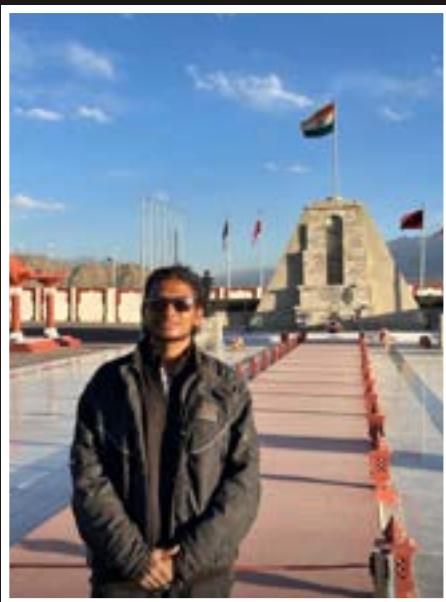
From July 1st to 5th, the Department of IT hosted a comprehensive five-day workshop on "Machine Learning: Hands-On Training." This intensive program provided participants with practical experience in machine learning techniques and applications. Through a series of interactive sessions and real-world projects, attendees gained valuable skills in data analysis, model building, and algorithm implementation. The workshop aimed to equip participants with the tools and knowledge needed to apply machine learning effectively in various domains.



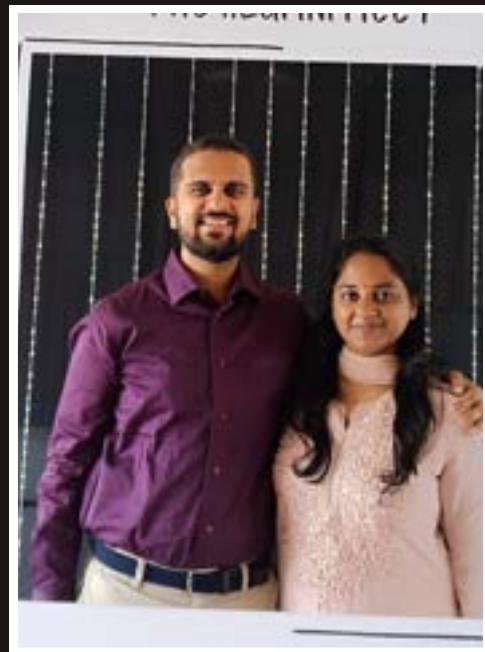
IT Proud Alumni



Our Proud Alumni



Vijender Reddy
Co-Founder CEO
Drink Prime,Bengaluru



Rishika Venkatesh Kumar
Manager,arganoEchelon

**ALUMNI LECTURE SERIES
LECTURE NO.06**

TOPIC:
HOW TO CRACK AN INTERVIEW?

SPEAKER:

Ms. Kanchana Rao
2013-IT Graduate from SIESIT
Assistant Manager - HR at ADP Hyderabad

Date of Lecture: 11-07-2024
Time: 10:00 to 11:00 a.m.
Venue: Seminar Hall-I
Sreenidhi Institute of Science and Technology

Ms. Kanchana Rao
Assistant Manager - HR
at ADP, Hyderabad

**ALUMNI LECTURE SERIES
LECTURE NO.07**

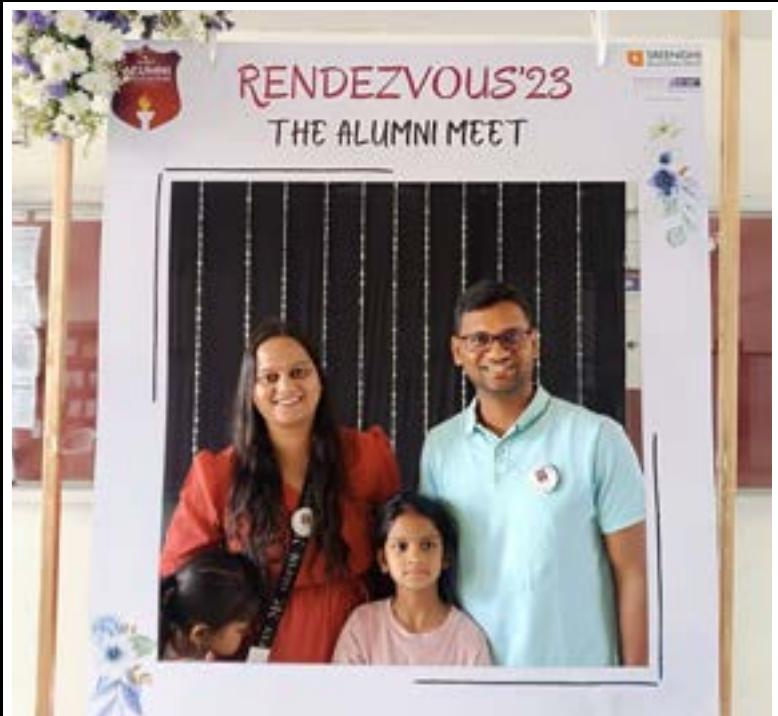
TOPIC:
I DON'T HAVE THE TIME

SPEAKER:

Ms. Haritha Khandabattu
2010-IT Graduate from SIESIT
TEDx Speaker, Senior Director Analyst,
Gartner, Netherlands, Europe

Date of lecture: 11-07-2024
Time: 11:30 a.m. - 12:30 p.m.
Venue: Seminar Hall-I
Sreenidhi Institute of Science and Technology

Ms. Haritha Khandabattu
TEDx Speaker, Senior Director Analyst, Gartner, Netherlands, Europe



Tarun kumar Yerra
15311A12L8,IT-F4
2015 - 2019
Co-Founder, Students Boat

Student Achievements

Name: Pravallika Naidu
Class: I-IT D
Roll no:23311A12Q2
Achievements:Gold in
KG Reddy
Gold in JBIET
Gold in KPRIT
Gold in SNIST
Sport name:Kabaddi

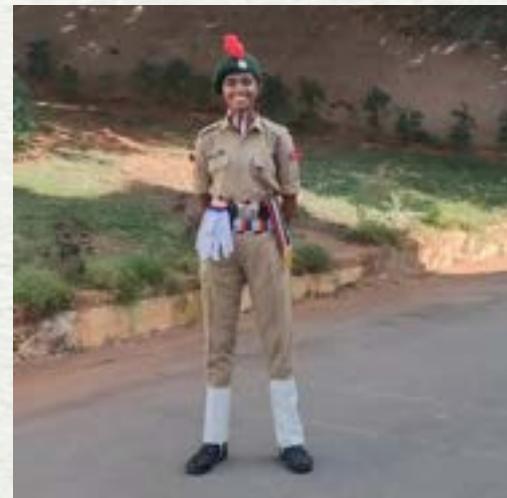


Name: Dharavath Shailaja
Class: I-IT D Roll no:
23311A1244
Achievements:Gold in KG
Reddy Gold in JBIET Gold
in KPRIT Sport
name:Kabaddi



Student Achievements

Name: M.Moksha Sree
Class: I-IT C
Roll no: 23311A12G9
Achievements:
Completion of NCC C
certificate in 1st year
1st semester



Name: M.Moksha Sree
Class: I-IT C
Roll no: 23311A12G9
Achievement: Gold in
KPRIT Sport name:
Basketball



Student Achievements

Name: Audimulam Jyothsna
Class: I-IT D
Roll no:23311a12m4
Achievements:gold in both singles and doubles held at MREC
Gold in singles at KG Reddy
Silver in singles at JBIET



Name:Talari chandana
Class : II-IT C
Roll no:22311A12F3
Achievement: gold in KPRIT
silver in SNIST
Sport name:
Basketball



Student Achievements

Name: m. Rishitha
Class: II -IT-B
Roll no:22311a1268
Achievement: winners of ashwathama , winners at kprit clg, winners at kgreddy clg, winners at jbiet clg



Desaboina Pranathi
Class: I- IT C
Roll no: 23311a12h8
Achievements: gold in ashwatthama sports event
Sport name: Kabbadi



Student Achievements

Name: Ravula Sampath

Class: II- IT-B Roll

no:23315A1209

Achievement:

Participation in South zone inter university hockey championship - Trichy,Tamilnadu

Sport name:Hockey

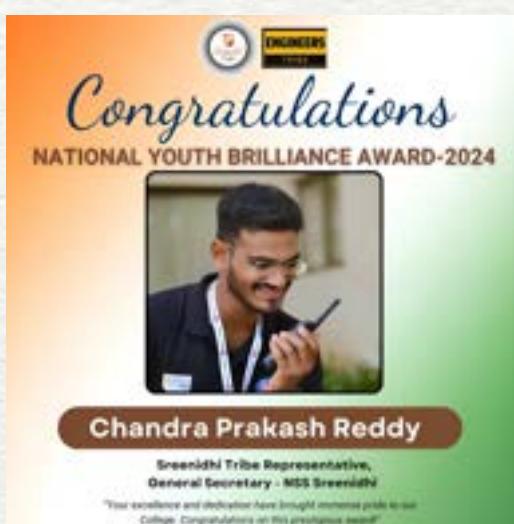


Name: Chandra Prakash Reddy

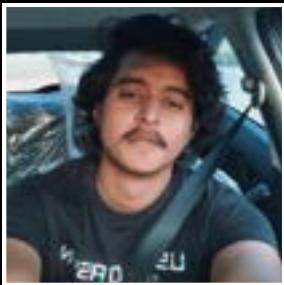
Class: III- IT-A

Roll no:21311A1212

Achievement: Achieved the "National Youth Brilliance Award-2024"



IT Students Shining in Clubs and Govt.Organizations



21311A12K2
President
(Arts Club)



21311A12P5
Organizing head for
Student Placement
committe -2025 and
Marketing Lead (SDC)



21311A12I2
General Secretary
(NSS-UNIT SNIST)
Institute Anti Drug
Committe Vice Chairperson



21311A12D9
Organizing Head
(Arts Club)



21311A1246
Publicity Head
(IEC)



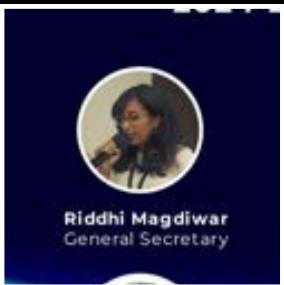
21311A12R2
Tab Executive
(The Robotics Club)



21311A12R1
Joint Secretary
(CSAC)



21311A12M6
Treasurer
(Arts Club)



21311A1257
General Secretary
(IEEE)



21311A12N4
Vice President
(SDC)



21311A1253
Marketing Head
(IEEE)



23311A12K2
Designing Head
(SDC)



21311A12D7
Shakthi Head
(Arts Club)



21311A12P0
Documentation Head
(NSS-UNIT SNIST)



21311A12I7
Organizing Head
(SDC)



21311A1247
CIC Executive
(The Robotics Club)

IT Students Shining in Clubs and Govt.Organizations



213IIA12H0
Designing Head
(Arts Club)



213IIA12F6
Technical Head
(SDC)



223IIA1286
Designing Head
(SDC)



213IIA1276
Technical Head
(SDC)



213IIA12M0
Executive Co-Ordinator
(Bachpan Prayas)



213IIA12K7
Treasurer
(IEEE)



213IIA12H7
Joint Secretary
(IEEE)



213IIA1254
ChairPerson
(IEEE)



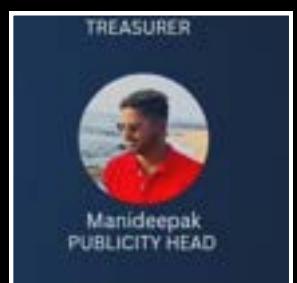
213IIA1285
Public Relations
(IEEE)



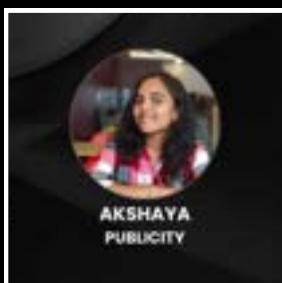
223IIA1276
Deputy Publicity Head
(SDC)



223IIA12G4
Designing Head
(SDC)



223IIA1297
Publicity Head
(Sports Club)



223IIA1265
Publicity Executive
(SPC)



223IIA12N1
Executive Co-Ordinator
(Sports Club)



223IIA1272
Deputy Documentation
Head
(SDC)



223IIA12B3
Executive Co-Ordinator
(Sports Club)

IT Students Shining in Clubs and Govt.Organizations



22311A12M6
Ambassador
(SDC)



22311A1242
SPC

These students exemplify the spirit of leadership, teamwork, and innovation that our department encourages. Their dedication to both academic excellence and extracurricular engagement is commendable and sets a high standard for their peers.

We applaud their efforts and wish them continued success in their endeavors. Keep shining and making us proud!

A dense collection of framed artworks, primarily portraits and landscapes, displayed on a light-colored wall. The frames vary in style and color, from dark wood to gold leaf. Some frames are empty or contain abstract designs. A prominent portrait of a man in a suit and tie is visible in the lower center. In the upper right, a portrait includes a small plaque with the text "ALFRED ALBERT BENSON SOUTHWARK LONDON SE1".

PORTRAITS









EDITORIAL BOARD



Dr. P.N.Siva Jyothi,
Editor-in-Chief

Welcome to the second volume of Horizon! As the Editor-in-Chief, I'm excited to bring you a vibrant collection of inspiring activities, insightful articles, and stunning visuals that showcase the talent within our department. This edition highlights our achievements, aspirations, and the voices shaping our future. Horizon is more than a magazine—it's a celebration of our innovation, creativity, and perseverance. Every page reflects the dedication behind the research and ideas that define us. Thank you for being part of this journey—your support makes Horizon a true beacon of excellence!

Horizon Magazine Vol. 2 effectively highlights the IT department at SNIST, showcasing its innovative projects and notable achievements. The coverage is insightful and well-structured, providing readers with a clear view of the department's impact. For future issues, incorporating more detailed case studies and forward-looking perspectives could further enhance the content. Overall, this issue does an excellent job of spotlighting the IT department's contributions.



Mrs.V.Monica
Deputy Editor-in-Chief



Dr. Y. Rohita,
Executive Editor

Horizon Magazine Vol. 2 excels in its coverage of the IT department at SNIST, offering a thorough and engaging look at its recent achievements and ongoing projects. The inclusion of diverse perspectives and detailed features underscores the department's innovative contributions. For future editions, incorporating more in-depth analysis and projections could further enrich the content. Overall, this issue successfully highlights IT department's vital role within SNIST.

Horizon Magazine Vol. 2 provides a strong portrayal of the IT department at SNIST, effectively capturing its advancements and impact. The articles are well-researched and highlight key initiatives and successes. To enhance future editions, we might consider deeper dives into specific projects and their broader implications. Overall, this issue successfully showcases the department's significance and contributions.

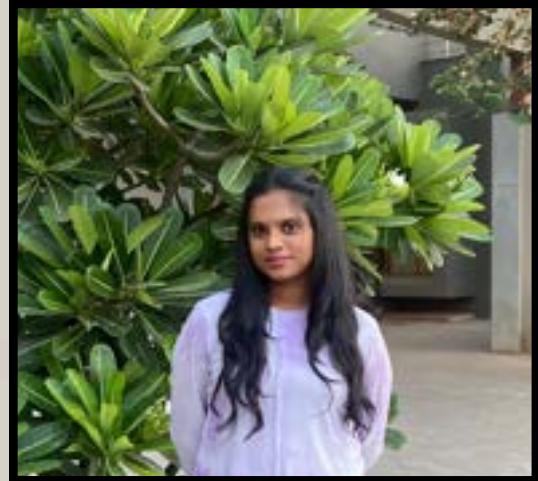


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The future of information technology will be shaped by three key advancements: Artificial Intelligence (AI), quantum computing, and the Internet of Things (IoT). AI will continue to transform industries by improving automation and decision-making, leading to smarter systems that enhance safety, productivity, and innovation across sectors like healthcare, transportation, and manufacturing.

Quantum computing is set to revolutionize traditional computing, offering unprecedented processing power. It will have a significant impact on fields like cryptography, logistics, and drug discovery by enabling complex calculations and optimization. This will help reduce costs and improve efficiency in industries such as finance and healthcare.

The IoT will further integrate the physical and digital worlds, allowing real-time data collection and analysis across millions of devices. By combining IoT with AI, industries like agriculture, healthcare, and urban development will benefit from predictive analytics, resulting in smarter cities, more efficient supply chains, and improved healthcare systems.

Together, AI, quantum computing, and IoT will redefine industries, driving innovation and creating more intelligent, efficient systems. These technologies will open up new opportunities for advancement, transforming traditional processes and reshaping the global economy.



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