

INFOTECHIA

Innovate & Transform

Department of
*Information
Technology*



Volume 6, Issue 2 2024



VIGNAN'S NIRULA

INSTITUTE OF TECHNOLOGY & SCIENCE FOR WOMEN

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada)

Vignan Avenue, Peda Palakaluru, Guntur - 522009



EDITORIAL TEAM

We are delighted to present Infotechia, Volume 6, Issue 2, for the year 2023. This edition reflects our commitment to inspiring the next generation of IT professionals and encouraging them to stay ahead in the ever-evolving tech landscape. In this issue, we celebrate the achievements and creativity of our IT department's faculty and students. Through features on various projects, workshops, and events, we highlight their dedication to both academic excellence and hands-on learning in the **2023-2024 academic year**. Your feedback and suggestions are invaluable in shaping future editions, so we invite you to share your thoughts with us. Thank you for joining us on this journey of innovation and growth.

Happy Reading!

Chief Editors

Dr. K. V. S. S. Rama Krishna, HOD, IT Dept

Faculty Co-ordinator

Mr. Srikanth Kilaru, Assiss Prof., IT Dept

Student Co-ordinator

Thota Sravya Vardhani, III - Year, IT Dept

Md Musarrat Nazia, III - Year, IT Dept

Technical Support

Mr. D. Rajesh, Lab Technician, IT Dept

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About the Department

The Department of Information Technology, established in 2008, with an initial intake of 90 students and intake increased to 120 from the academic year 2013. Being a women's engineering college, our department is committed to empower women through a comprehensive education that blends academic rigor with cutting-edge technologies. Our vision and mission emphasize fostering academic excellence, encouraging students to pursue higher studies, and engaging in research that addresses real-world challenges. We adhere to the Jawaharlal Nehru Technological University Kakinada (JNTUK) curriculum, providing an environment conducive to collaborative research and innovation. By guiding our students to develop solutions that meet industry and societal needs, we consistently achieve strong placement records and academic success. Our department nurtures women to become leaders in technology, committed to contributing both professionally and ethically to the IT industry.

Objectives

Our primary objective is to inspire women to excel in foundational and advanced engineering skills, preparing them to be forward-thinking technocrats. We offer continuous exposure to emerging trends and tools through hands-on practical sessions, workshops, and industry collaborations. Each student receives personalized guidance, fostering not only technical expertise but also entrepreneurship, instilling strong ethical values and social responsibility. We create opportunities for students to enhance their interpersonal and intrapersonal skills, preparing them for leadership roles in their future careers, higher studies, and research.





VISION

To emerge as a center of repute in Information Technology and to produce women technocrats, global leaders for the economic and technological development of the region, state and nation.



MISSIONS

MISSION 1

To impart cutting-edge technical knowledge and inculcate problem solving skills through enriched curriculum and innovative teaching learning practices.

MISSION 2

To nurture research attitude among student and encourage students towards self-learning and to enable students for higher studies

MISSION 3

To foster interpersonal and leadership skills, and also promote entrepreneurship skills in women engineers by industry academia linkages

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

PE01: Become competent IT Professionals with moral and ethical values in career.

PE02: Possess zeal to pursue higher education and undertake research in IT domains.

PE03: Exhibit leadership and interpersonal skills to work in diversified teams or individually

PROGRAM SPECIFIC OUTCOMES (PSOS)

PS01: Graduates will apply core programming concepts and software development techniques to solve real-world challenges and advance in their professional careers.

PS02: Graduates will engage in research and adopt emerging computing technologies to continuously develop innovative solutions.

Programming Outcomes (PO's)

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

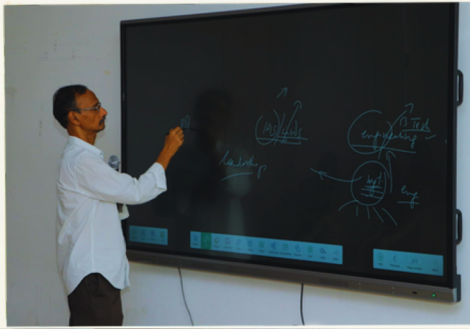
Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

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.



GUEST LECTURES & INTERNSHIPS ORGANIZED : 2024

S.No.	Date	Event Name	Department
1	22-02-2024	“Civil Services Training”	IT
2	26/02 - 28/02/2024	“Civil Services Training”	IT
3	21-06-2024	10th International Yoga Day	IT
4	01-03-2024	Data Analysis Using Python	IT

WORKSHOPS : 2024

S.No	Gap	Event Name	Date
1	Java Programming	A Guest Lecture on "Introduction to Java Fundamentals" for II Years.	30-01-2024
2	Limited awareness on Cross-Disciplinary learning.	A Seminar on "The Internet of Things: Connecting the Future" for III Years.	17-02-2024
3	Lack of Modern tool usage	Workshop on "Data Analytics using Python" for II Years.	26-02-2024 to 01-03-2024
4	Lack of exposure to Modern technologies and trends.	Workshop on "Continuous Integration and Continuous Deployment: Best Practices in DevOps" for III Years.	11-03-2024 to 16-03-2024
5	Difficulty in solving complex problems.	Seminar for II Years "Future in computing with coding skills"	27-03-2024
6	Cryptography an Network Security.	A Guest Lecture on "Software-Defined Networking: A New Era of Network Management" for III Years.	13-04-2024

S. No	Name of the Faculty	Qualification	Designation
1	Dr K.V.S.S Rama krishna	Ph.D	Associate Professor
2	Dr V Pavani	Ph.D	Associate Professor
3	P. Sandhya Krishna	M.Tech	Assistant Professor
4	Dr D Anveshini	Ph.D	Assistant Professor
5	B.V Suresh Kumar	M.Tech	Assistant Professor
6	K Nageswara Rao	M.Tech	Assistant Professor
7	Dr K Venkateswara Rao	Ph D	Assistant Professor
8	Dr K Baranitharan	Ph D	Assistant Professor
9	Mrs B Aruna Kumari	M.Tech	Assistant Professor
10	K Srikanth	M.Tech	Assistant Professor
11	M Mallikarjuna Rao	M.Tech	Assistant Professor
12	Mr R Veera Babu	M.Tech	Assistant Professor
13	V Sasikala	M.Tech	Assistant Professor
14	Mr T.V Vamsi Krishna	M.Tech	Assistant Professor
15	R Srinivas	M.Tech	Assistant Professor
16	Mrs T Naga Navya	M.Tech	Assistant Professor
17	G Lakshmi Durga	M.Tech	Assistant Professor
18	G.Rohini Phaneendra Kumari	M.Tech	Assistant Professor
19	Mrs Sk Sharmila	M.Tech	Assistant Professor
20	Mrs B Swathi Sri	M.Tech	Assistant Professor
21	Mr B Murali Krishna	M.Tech	Assistant Professor

Faculty Achievements-



Wipro Certification was awarded to Pavan Manoj, Assistant Professor of the IT Department, with appreciation extended by the Principal and the Head of the IT Department.



Dr. K.V.S.S. Rama Krishna, Associate Professor and Head of the IT Department, was awarded a Ph.D., with congratulations extended to him by the Principal.

Student Achievements

2024





Gained 3rd and 4th positions in civils exam all over Vignan Universities conducted by La Excellence Academy



Jaladi Khyathi Sai Alekhya Academic Topper
Price and Certificate Distribution



Throwball Competition Winners



Winner in shortput game in Mallineni Engineering College Shortput sports competition



Engineers Day Project Expo Wnner

S. No	Name of the faculty	No of Workshops Attended	Duration
1	Dr. K. Venkateswara Rao	2	11
2	Dr. K. Baranitharan	2	2 weeks
3	Dr .K.V.S.S .Rama krishna	2	10
4	Dr. V. Pavani	7	37 weeks
5	Dr. D. Anveshini	3	36 weeks
6	Ms. P. Sandhya Krishna	1	12 weeks
7	Mr. B.V. Suresh Kumar	2	2 weeks
8	Mr. K. NageswaraRao	3	2 weeks
9	Ms. B. Aruna Kumari	4	14 weeks
10	Mr. K.Srikanth	3	2 weeks
11	Mr. M.MallikarjunaRao	2	11 weeks
12	Mr. R.Veera Babu	2	2 weeks
13	Ms.V.Sasikala	4	14 weeks
14	Mr.T.V. Vamsi Krishna	2	11
15	Mr.RSrinivas	1	6
16	Ms.T.NagaNavya	1	6
17	Ms. G. Lakshmi Durga	1	6
18	Ms. G. Rohini Phaneendra Kumari	2	3 weeks
19	Ms. Sk. Sharmila	2	11
20	Ms. B. Swathi Sri	1	6

Technical Training - 2024

SL.NO	Date	Training Name	YEAR
1	12.02.2024	CRT	III



Mr. Karthik, Java Trainer from
Talentio Academy

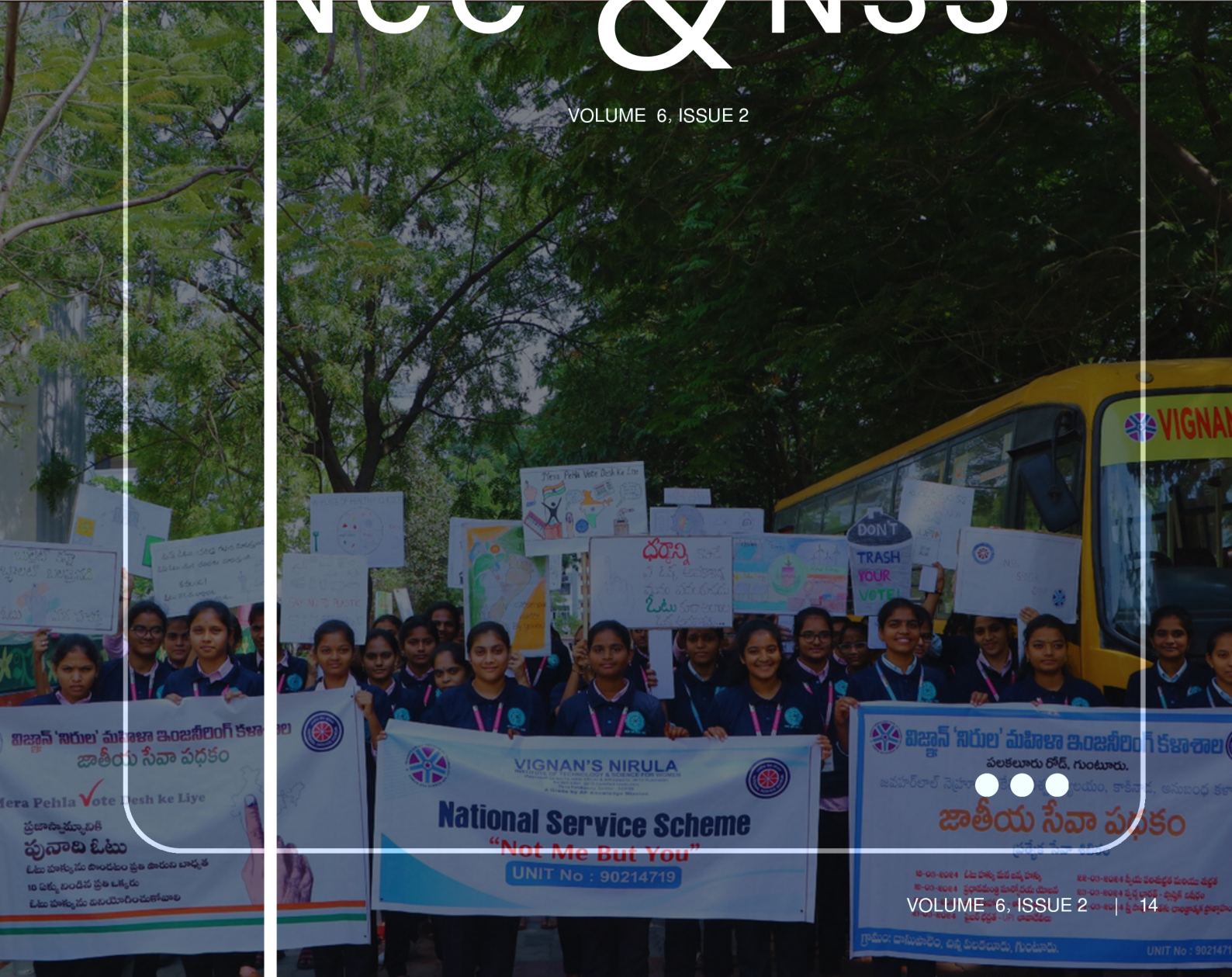


Java CRT training was conducted for III-year
IT students, with 121 students attending on
February 12.



NCC & NSS

VOLUME 6, ISSUE 2



విజ్ఞాన్ 'నిరుల' మహిళా ఆంజనేయింగ్ కళాశాల
జాతీయ సేవా పథకం

मेरा Pehla Vote Desh ke Liye
ప్రజాస్వామ్యానికి
పునాది ఓటు
ఓటు హక్కును తిండినం ప్రతి తారుడు బాధ్యత
10 ఏళ్లు బంధించే ప్రతి ఓటరు
ఓటు హక్కును వినియోగించుకోవాలి

VIGNAN'S NIRULA
National Service Scheme
"Not Me But You"
UNIT No : 90214719

విజ్ఞాన్ 'నిరుల' మహిళా ఆంజనేయింగ్ కళాశాల
పలకలూరు రోడ్, గుంటూరు.
జవహర్ లాల్ నెహ్రూ జూనియర్ కళాశాల, అనుబంధ కళాశాల
జాతీయ సేవా పథకం
ప్రకృతి సేవా శిబిరం

10-01-2024 : ఓటు హక్కు మీద విజ్ఞాన పాఠం
10-01-2024 : ప్రజాస్వామ్య దినోత్సవం
10-01-2024 : ప్రజాస్వామ్య దినోత్సవం - విజ్ఞాన శిబిరం
10-01-2024 : ప్రజాస్వామ్య దినోత్సవం - విజ్ఞాన శిబిరం

22-01-2024 : స్త్రీల సంక్షేమ కార్యక్రమం
22-01-2024 : స్త్రీల సంక్షేమ కార్యక్రమం - విజ్ఞాన శిబిరం
22-01-2024 : స్త్రీల సంక్షేమ కార్యక్రమం - విజ్ఞాన శిబిరం

ప్రజాస్వామ్య దినోత్సవం, విజ్ఞాన శిబిరం, గుంటూరు. UNIT No : 90214719

NCC

Our college and department actively encourage students to be a part of the National Cadet Corps (NCC), offering them an excellent platform to build leadership skills, resilience, and patriotism. Guided by the ethos of “Leadership & Service,” the cadets from our department have showcased exemplary dedication through various initiatives.



NCC Cadets in IT



NCC Cadets Camp



Appreciation certificate for IT NCC Cadet



NCC Cadets of IT in Inaugural Conduction



NCC Cadets in IT



NSS

NSS is a platform that empowers students to step forward as change makers, cultivating a spirit of community service and leadership. With the guiding principle of “Serve to Inspire, Lead to Transform, ”. NSS encourages students to dedicate themselves to meaningful activities that create a positive impact on society.



Women's Day Celebrations



Cauvery is Dying



Right to Vote Awareness



Plantation

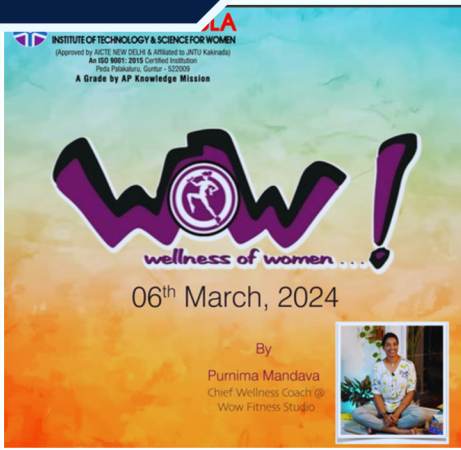


Blood Donation Camp





CULTURAL & EXTRA CIRCULAR ACTIVITIES



Ms. Purnima Mandava enlightened us on Women's Wellness (WoW), inspiring both students and staff with her valuable insights.

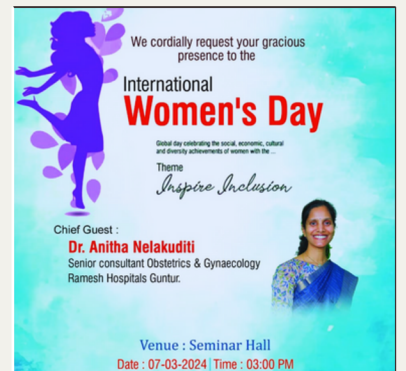
On the eve of International Women's Day Celebrations, Ms. Purnima Mandava, addressed the students and staff on Wellness of Women (WoW).



Ms. Purnima Mandava, founder of WOW Fitness India, empowers women through holistic wellness programs addressing hormonal health and overall well-being.



Dr. Anitha Nelakuditi inspiring us with her empowering speech on the occasion of International Women's Day.



Honoring Dr. Anitha Nelakuditi, Senior Consultant for Obstetrics and Gynecology, on International Women's Day for her inspiring contributions.



Embracing health and wellness on International Yoga Day, as we unite in harmony through the practice of yoga.



10th International Yoga Day Celebrations in association with Isha Foundation at Vignan's Nirula



Celebrating International Yoga Day with unity and tranquility, as we come together to embrace the power of yoga for mind and body.



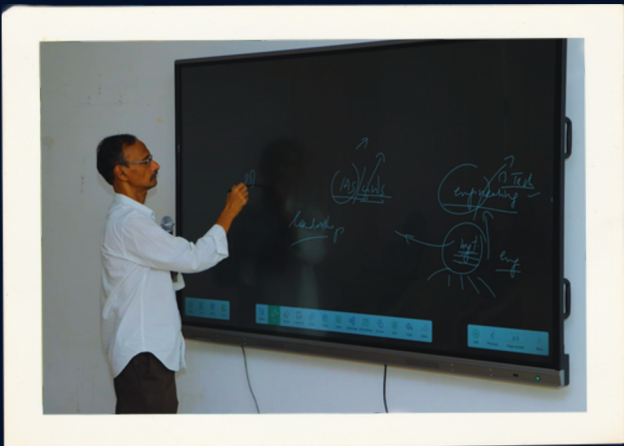
S

**NATIONAL
VOTERS
DAY**

EXERCISE YOUR RIGHT TO VOTE
& STRENGTHEN OUR DEMOCRATIC
VALUES

VIGNAN'S NIRULA
INSTITUTE OF TECHNOLOGY & SCIENCE FOR WOMEN
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Conducted Activities like debate , article writing, slogan raising, patriotic songs on Voter Awareness program By Faculty Coordinators and Student Coordinators & An enlightening experience at the Voters Day live program with Hon'ble PM.



Means of Production

- Land
- Labour
- Capital
- Organization

↑

Produce → Profit

↑

Growth & Development

↑

GNP

Demography



Civil Services Training program for Vignan's Nirula students in association with La Excellence Academy, Hyderabad, Telangana.

Cultural Activities



On the vibrant eve of Sankranthi celebrations, enjoy Stove-less Cooking, Mehendi Designing, Pongal Making, Bhogi Festivities, Rangoli Artistry, Cultural Attire Showcase, and Kite Flying Competitions.

Showcasing the charm of tradition and culture through a stunning display of traditional ethnic wear at the Sankranthi Fashion Parade.

Celebrating the vibrant spirit of Sankranthi with the warmth of Bhogi Mantalu, embracing tradition and togetherness.



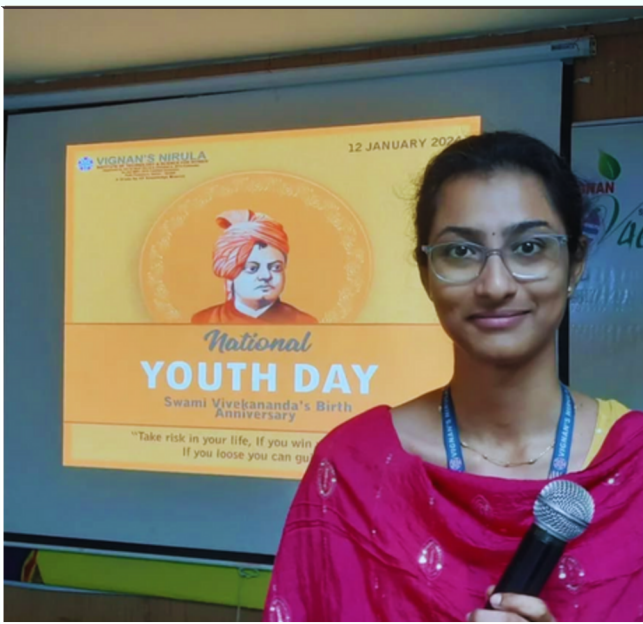
Honoring the nation with pride on Republic Day through the flag hoisting ceremony, celebrating unity and patriotism.

Saluting the Tricolor with pride and honoring the spirit of unity and patriotism on this Republic Day.

On the proud occasion of Republic Day, witness the Flag Hoisting ceremony and an inspiring Parade by NCC students, celebrating unity, patriotism, and the spirit of the nation.



On the auspicious occasion of Hanuman Jayanthi, celebrations included devotional gatherings and enlightening discussions on the virtues of devotion, strength, and humility.



On the eve of Swami Vivekananda's Birth Anniversary, National Youth Day celebrations featured an inspiring essay writing competition and an awareness meeting to honor the significance of the day.



THANK YOU

ACKNOWLEDGEMENT

We extend our heartfelt gratitude to all the contributors, faculty, and students of the IT Department who have made this edition of the Vignan Nirula College IT Magazine a remarkable success. Your creativity, hard work, and dedication have been the driving force behind bringing this publication to life.

A special thanks to the editorial team, designers, and everyone who worked diligently behind the scenes to ensure each page reflects the innovation and spirit of the IT Department. Your collective efforts have beautifully showcased the talent, ideas, and achievements of our vibrant community.

This magazine stands as a testament to the passion, collaboration, and excellence that define the IT Department of Vignan Nirula College. We are deeply grateful for your contributions and for making this edition an inspiring journey for all.

