USHARAMA
COLLEGE OF ENGINEERING AND TECHNOLOGY
AUTONOMOUS

TECH BYTES

JAN-JUN **ACADEMIC YEAR:2023-24**

NEWS LETTER

EDITOR IN CHEIF:Dr.S.M.Roy Choudri
Professor & HOD of CSE

CO-EDITOR:Dr.K.P.N.V Satyasree
Professor

FACULTY COORDINATORS

B.V.PRAVEEN KUMAR (Asst.Prof)
K.BHAVANI (Asst.Prof)

STUDENT COORDINATORS

20NG1A0518-GOLLA UPENDRA
20NG1A0526-KARRA MERCY
21NG1A0540-NALLURI VIVEK
21NG1A0528-KOYA ROHITH
22NG1A0529-KANTA LOKESH
22NG1A0576-A.MADHAVI

VOL-5
ISSUE-2

TECHNOZOLA
A CSE Students Association

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Institute Vision and Mission

Vision

To emerge as a Centre of excellence in technical education by imparting quality teaching learning practices and research for the transformation of society.

Mission

M1: Provide an ideal and the best class infrastructure to foster exploration in engineering and research

M2: Build dedicated faculty with student centric teaching, incorporating experiential, innovative skills.

M3: Encourage life-long learning, entrepreneurial thinking, and ethical responsibility in students to address societal challenges.

Department Vision and Mission

Vision

To emerge as a skilled Technocrats on global scale in Computer Science and Engineering through quality education, innovation, collaborative researchers and entrepreneurs with moral values.

Mission

DM1: To impart quality education to the students.

DM2: To pursue creative research and new technologies in Computer Science and Engineering.

DM3: To encourage entrepreneurship skills among students and inculcating moral and ethical values to serve for the society.

Program Educational Objectives Statements (PEOs)

PEO 1: Our graduates will establish themselves as effective professionals in industry, academia and entrepreneurship.
PEO 2: Our graduates will become profound researchers in multiple domains.
PEO 3: Our graduates will act as a leader in society.

Program Outcomes (POs)

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.

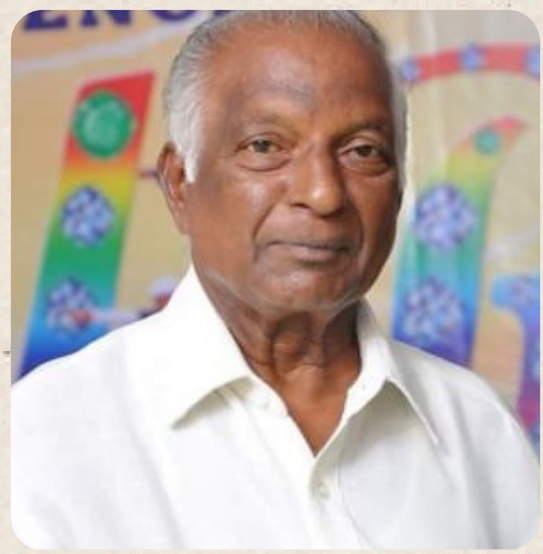
12.Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs)

PSO1: Illustrating a Comprehensive understanding of fundamental Computer system Principles encompassing both hardware and software components to cultivate strong conceptual skills in processing and assigning computation solutions.
PSO2: Demonstrate and design proficient and technical abilities in algorithms, networking, web design, Cloud Computing and data analytics enabling the development of innovative solutions to complex real-world problems while identifying and addressing emerging research gaps.

LEADING WITH INTEGRITY

Mr. Ramabrahmam Sunkara, Chairman of Usha Rama College of Engineering and Technology, is a visionary leader who is consistently striving to elevate the institution to new heights. With a deep commitment to academic excellence and innovation.Under Mr. Sunkara's guidance, the college has seen significant advancements in infrastructure industry partnerships, and technological integration. His efforts are dedicated to providing students with a robust platform to thrive academically and professionally, preparing them to be leaders in their respective fields. Through his relentless drive and vision, Usha Rama College continues to foster an environment of growth, opportunity, and success.



RAMABRAHMAM SUNKARA
CHAIRMAN

Dr. Kurra Rajasekhara Rao's remarkable career has been marked by a dedication to advancing the field of engineering education. Under his leadership, Usha Rama College of Engineering & Technology has become a beacon of excellence. Dr. Rao's commitment to shaping the next generation of engineers is further demonstrated through his active involvement in academic and professional communities, where he continues to mentor and inspire students and faculty.A passionate advocate for interdisciplinary research, Dr. Rao's work has bridged the gap between theoretical knowledge and practical application, empowering students and professionals to innovate and solve complex challenges.

Dr. KURRA RAJASEKHAR RAO
DIRECTOR

VISIONARY LEADERSHIP

Dr. G.V.K.S.V.Prasad distinguished Principal of Usha Rama College of Engineering and Technology, known for his visionary leadership and academic excellence. Holding a Doctorate from NIT Warangal and an M.Tech from IIT Mumbai, he boasts over 28 years of experience in teaching, consultancy, and research. His expertise extends to successfully completing several AICTE-sponsored research projects, which reflect his commitment to advancing knowledge and technology. A recognized scholar and leader. His dedication to excellence and innovation makes him a driving force behind the success of Usha Rama College of Engineering and Technology.

Dr.G.V.K.S.V.PRASAD
PRINCIPAL

Dr. S.M. Roy Choudhri is the Head of the Department (HOD) of CSE at Usha Rama College of Engineering & Technology,he has played a key role in enhancing research, infrastructure, and student outcomes.Under his leadership, the CSE department has seen remarkable growth, particularly in research output and industry collaboration. His efforts have resulted in the establishment of state-of-the-art labs and research centers within the department, offering students valuable opportunities for experiential learning. His approachable nature and dedication to mentoring have made him highly respected by both students and faculty.

Dr.S.M.ROY CHOUDRI
HOD of CSE

Dr. K. P. N. V. Satya Sree is a distinguished Professor in the Department of Computer Science and Engineering at Usha Rama College of Engineering and Technology (URCET). With an academic career rooted in excellence, she brings a wealth of knowledge and experience in the domains of Data Mining, Machine Learning, Artificial Intelligence (AI), and E-Commerce. Her dedication to research and innovation is evident through her numerous scholarly contributions, which have garnered over 140 citations, reflecting her impact on the academic and research community. Dr. Satya Sree's commitment to advancing education and fostering a culture of continuous learning has been recognized through several prestigious accolades

Dr.K.P.N.V SATYA SREE
professor

THE DIGITAL ODESSEY

The Digital Odyssey was a dynamic technical event conducted at Usha Rama College of Engineering and Technology (URCET) **on May 10, 2023 by T.Naga Mounika**, designed to immerse students in an intellectually stimulating experience focused on digital technologies. With around 45 enthusiastic participants, the event featured engaging activities such as coding challenges, problem-solving tasks, tech discussions, and hands-on workshops on cutting-edge innovations like artificial intelligence, machine learning, cybersecurity, and software development. Students had the opportunity to apply their technical knowledge in real-world scenarios, collaborate with peers, and gain valuable insights from expert-led discussions. Through interactive learning and competitive challenges, the event fostered creativity, critical thinking, and teamwork, equipping students with essential skills for the fast-evolving tech industry. The Digital Odyssey not only served as a platform for knowledge enhancement but also inspired young minds to explore the limitless potential of digital transformation, setting the stage for future innovation-driven initiatives.The event also encouraged mentorship and networking, allowing students to connect with professionals and like-minded peers. It showcased the talent and enthusiasm of the student community, sparking interest in future tech-based projects and events. Overall, The Digital Odyssey left a lasting impact, empowering participants to pursue innovation with confidence and vision.

SEMINAR

On 20th October 2023 by B.Sowmya ,at Usha Rama College of Engineering and Technology (URCET) transformed into a vibrant hub of innovation, learning, and collaboration as students and faculty gathered for a dynamic event celebrating the fusion of knowledge and creativity. The atmosphere buzzed with curiosity and excitement, reflecting the collective enthusiasm of participants eager to explore the ever-evolving landscape of technology and engineering.

The session featured a thoughtfully curated lineup of engaging talks, interactive discussions, and hands-on workshops, all aimed at bridging the gap between academic learning and real-world application. Students were exposed to emerging technological trends, cutting-edge tools, and industry-relevant practices, gaining practical insights into fields such as artificial intelligence, Internet of Things (IoT), sustainable engineering, and data analytics. Industry professionals, guest speakers, and faculty mentors brought diverse perspectives, shared personal experiences, and offered valuable guidance on navigating modern career paths, thereby enriching the overall learning experience.

With active participation from students across various departments, the event fostered an environment of collaborative learning and cross-disciplinary interaction. Activities like coding challenges, live technical demonstrations, and project showcases encouraged students to apply theoretical concepts to practical problems, enhancing both their technical and soft skills. Teams worked together to solve problems, brainstorm innovative ideas, and receive feedback from mentors, instilling a deeper sense of teamwork, leadership, and problem-solving abilities.

WORKSHOP ON PYTHON

A Two-Day Python Workshop was conducted **on 21-03-2024 to 22-03-2024 by K.Bhavani at** Usha Rama College of Engineering and Technology (URCET) in collaboration with GUVI, an IIT-Madras incubated company, and Andhra Pradesh State Skill Development Corporation (APSSDC). The workshop aimed to equip students with essential Python programming skills, covering both fundamental and advanced concepts with hands-on practice.

During the first day, participants were introduced to Python basics, including data types, variables, conditional statements, loops, and functions, along with setting up Python environments like Jupyter Notebook and VS Code. The hands-on sessions allowed students to write and execute code in real-time, reinforcing their understanding through practical examples and guided exercises. Interactive quizzes and mini-tasks helped solidify foundational concepts and kept learners actively engaged.

On the second day, students explored advanced topics such as data structures, file handling, exception handling, and an introduction to powerful Python libraries like NumPy, Pandas, and Matplotlib for data analysis and visualization. They worked on small data-driven projects to implement these libraries, gaining insights into real-world applications of Python in data science and automation. By the end of the workshop, participants had built a solid foundation in Python programming and felt confident in using it for academic and professional tasks.

DStep-by-Step Process of the Two-Day Python Workshop
Organized by: GUVI in association with APSSDC
Venue: Usha Rama College of Engineering and Technology (URCET)
Duration: 2 Days
Day 1: Python Basics & Hands-on Practice

- Inauguration & Overview – Introduction to Python and its applications.
- Setting Up Python – Installing Python, Jupyter Notebook, and VS Code.
- Basic Concepts – Variables, data types, operators, conditional statements, loops.
- Hands-on Practice – Writing and debugging Python programs.

Day 2: Advanced Python & Project Work

- Data Structures – Lists, tuples, dictionaries, and sets.
- File & Exception Handling – Reading/writing files, error handling with try-except.
- Python Libraries – Introduction to NumPy, Pandas, and Matplotlib for data analysis.
- Mini-Project & Certification – Students applied learning to real-world problems and received certificates from GUVI & APSSDC.

Key Takeaways

✓ Hands-on experience in Python programming.
✓ Practical knowledge of data handling and visualization.
✓ Completion of a mini-project with real-world applications.
✓ Certification from GUVI and APSSDC, boosting career opportunities.

Data Science &Visualization with Python workshop ✨

A workshop on Data Science and Visualization with Python **on 19 TO 23 Feb 2024 by B V Praveen kumar** at Usharama College of Engineering and Technology would focus on teaching participants how to utilize Python for analyzing, manipulating, and visualizing data. It would begin with an introduction to Data Science, explaining its significance across various industries, and key concepts like data collection, cleaning, analysis, and interpretation. Participants would learn the basics of Python programming,

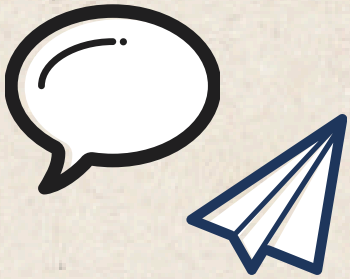
With a focus on essential libraries such as NumPy for efficient numerical computations, Pandas for robust data manipulation, and Matplotlib and Seaborn for creating insightful data visualizations, the workshop aimed to equip students with practical tools widely used in data science. Participants were guided through hands-on exercises that demonstrated how to clean, organize, and visualize data effectively, building a strong foundation in data handling workflows.

The curriculum also included key data preprocessing techniques, such as identifying and handling missing values, outliers, and duplicates, as well as encoding categorical variables and normalizing datasets. These steps were essential for preparing raw data into a clean and structured format ready for meaningful analysis, helping students understand the importance of data quality in driving accurate results.

Process of Workshop

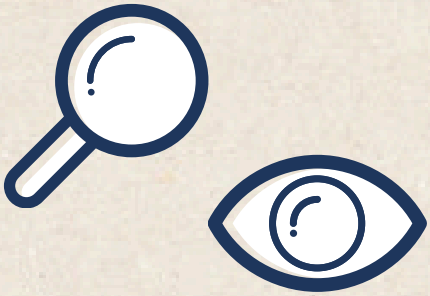
STEP 01

Introduction to Data Science & Python Basic



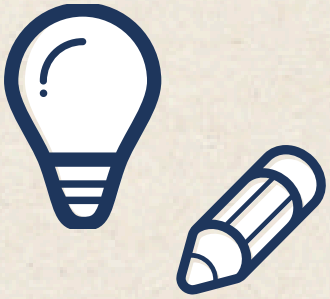
STEP 02

Data Preprocessing & Exploratory Data Analysis (EDA)



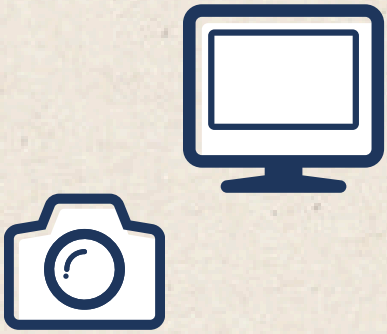
STEP 03

Data Visualization with Matplotlib & Seaborn



STEP 04

Machine Learning Basics & Applied Data Visualization



STEP 05

Real-World Applications & Project Presentations

IDEATHON

On 11th January 2024 by by P.Bhagya Sri, the R-Block Seminar Hall at Usha Rama College of Engineering and Technology buzzed with enthusiasm and curiosity as students gathered for a thought-provoking and engaging academic event. Designed to enrich young minds, the session offered a blend of knowledge-sharing, hands-on learning, and interactive experiences.

The event featured expert talks, live demonstrations, and collaborative activities, encouraging participants to explore trending topics and technological advancements. Students had the opportunity to interact with professionals and faculty members, gaining practical insights and industry perspectives.

Sessions like these play a crucial role in bridging classroom learning with real-world applications, boosting confidence, and enhancing technical know-how. The high turnout and energetic participation reflected the students' eagerness to learn and grow. Such initiatives continue to reaffirm the college's commitment to providing holistic and future-ready education, making the seminar a valuable and memorable experience for everyone involved. Events like these play a pivotal role in holistic student development, pushing the boundaries of classroom learning and preparing students to become not just engineers or technologists, but innovators and problem-solvers who can contribute meaningfully to society.

In essence, the seminar was more than just an academic gathering—it was a celebration of curiosity, collaboration, and continuous learning, leaving every participant with a renewed sense of purpose, direction, and inspiration to explore the boundless world of technology and innovation.

Cybersecurity And Functionality

Cybersecurity is a broad and essential discipline focused on safeguarding computer systems, digital networks, software applications, mobile devices, and sensitive data from a wide range of cyber threats, including unauthorized access, data breaches, system intrusions, and malicious attacks. In an era defined by digital transformation, where everything from banking, healthcare, education, transportation, and government services to personal communication and entertainment operates online or through connected platforms, the role of cybersecurity has become indispensable. It ensures that critical digital assets remain protected from both internal and external threats that may seek to exploit vulnerabilities for financial gain, political motives, espionage, or disruption. The core principles of cybersecurity are built upon the CIA triad: Confidentiality, which ensures that only authorized individuals can access specific data or systems; Integrity, which maintains the accuracy, reliability, and trustworthiness of information by preventing unauthorized modification; and Availability, which guarantees that systems and data are reliably accessible to users whenever needed. Modern cybersecurity is a multi-layered framework comprising numerous subdomains. Network security protects internal IT infrastructures using tools like firewalls, virtual private networks (VPNs), intrusion detection and prevention systems (IDPS), and traffic monitoring solutions. Application security ensures that software is designed and updated to resist threats by employing secure coding practices, regular vulnerability scanning, patch management, and runtime application self-protection (RASP).

Information security, often referred to as infosec, deals specifically with the protection of data in all forms—whether stored locally, in the cloud, or transmitted across networks—using encryption, digital signatures, secure hashing algorithms, and data classification systems. Operational security (OpSec) governs how data is handled, shared, and stored, defining access control policies, usage permissions, and procedures that mitigate insider threats and enforce least privilege principles. Another vital area is endpoint security, which protects user devices such as desktops, laptops, mobile phones, and tablets through antivirus software,device control, and mobile device management (MDM)Furthermore, identity and access management (IAM) ensures that users are properly authenticated and authorized,

often through mechanisms like multi-factor authentication (MFA), biometrics, and role-based access control (RBAC). As cyberattacks continue to grow in frequency, scale, and sophistication—with threats like ransomware, phishing, man-in-the-middle (MitM) attacks, denial-of-service (DoS) attacks, advanced persistent threats (APTs), supply chain attacks, and zero-day vulnerabilities—organizations must adopt advanced security practices such as threat hunting, behavioral analytics, deception technologies, and the implementation of Security Operations Centers (SOCs) equipped with Security Information and Event Management (SIEM) tools for real-time threat detection, analysis, and incident response.

In parallel, cloud security has emerged as a critical focus, as enterprises shift to cloud infrastructure and software-as-a-service (SaaS) platforms. It involves protecting virtual machines, containers, cloud storage, and APIs using tools like identity federation, cloud access security brokers (CASBs), and encryption at rest and in transit. Additionally, disaster recovery and business continuity planning are crucial components of cybersecurity strategy, ensuring that organizations can recover quickly and maintain essential functions in the aftermath of data breaches, cyberattacks, or natural disasters. Compliance with regulatory frameworks and standards—such as the General Data Protection Regulation (GDPR), Health Insurance Portability and Accountability Act (HIPAA), Payment Card Industry Data Security Standard (PCI DSS), NIST Cybersecurity Framework, and ISO/IEC 27001—is not only a legal obligation but also a best practice to uphold strong security postures. Equally important is the human element: user awareness and behavior remain common points of failure in security ecosystems. Therefore, continuous cybersecurity awareness training, simulated phishing exercises, and strong password hygiene are essential to minimize human errors and reduce susceptibility to social engineering. In conclusion, cybersecurity is not a one-time effort but an ongoing, evolving process that demands a holistic, proactive, and adaptive approach. Organizations must combine technological defenses, strategic planning, continuous monitoring, regulatory compliance, and human vigilance to build a resilient defense system capable of withstanding the rapidly evolving landscape of cyber threats in today’s interconnected digital world.

Staff Achievements

The Professor and the Assistant Professors of Usha Rama College of Engineering and Technology participated in several professional development initiatives to enhance their knowledge and skills in emerging technologies. They attended a series of workshops and training programs organized by prestigious platforStaff Achievements
Staff Achievements
ms such as AICTE, NPTEL, and EduSkills, covering diverse and cutting-edge areas in engineering and technology.
The team began their training journey with the **UHV-II, UHV-I**, Soft Computing, Ethical Hacking, and IIOT workshops, which were designed to provide in-depth knowledge of universal human values, soft computing methodologies, ethical hacking techniques, and the latest developments in the Internet of Things (IoT). These workshops were pivotal in enhancing the faculty's understanding of the ethical and technical aspects that are shaping the modern technological landscape.

Additionally, the faculty members participated in a 5-day workshop and 24-hour Hackathon on AWS and DevOps, which took place from **17/07/2023 to 21/07/2023**. During this session, they gained hands-on experience with AWS cloud technologies and DevOps tools, strengthening their practical knowledge of cloud infrastructure management, continuous integration, and deployment techniques. The Hackathon offered a real-world challenge, where participants could apply their newly learned skills to solve complex problems in a collaborative and competitive environment.

Following this, the staff attended a 3-day workshop on Prompt Engineering from **25/09/2023 to 27/09/2023,** which introduced them to the latest trends in natural language processing (NLP) and prompt design techniques. This workshop was especially useful for understanding the applications of AI in creating effective communication between machines and users, equipping the faculty with the tools needed to teach and guide students in the rapidly evolving field of AI and machine learning.

The faculty also participated in a 3-day workshop on Data Science from **27/09/2023 to 30/09/2023**, which provided an in-depth exploration of statistical analysis, machine learning algorithms, and data visualization techniques. This workshop empowered the participants with the skills necessary to effectively analyze and interpret large datasets, a crucial competence for both teaching and research in the modern data-driven world.

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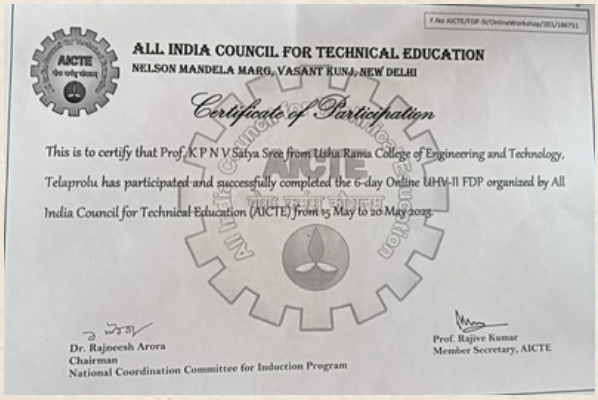


F.No AICTE/FDP-SI/OnlineWorkshop/201/186751

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
NELSON MANDELA MARG, VASANT KUNJ, NEW DELHI

Certificate of Participation

This is to certify that Prof. K P N V Satya Sree from Usha Rama College of Engineering and Technology, Telaprolu has participated and successfully completed the 6-day Online UHV-II FDP organized by All India Council for Technical Education (AICTE) from 15 May to 20 May 2023.

Dr. Rajneesh Arora
Chairman
National Coordination Committee for Induction Program

Prof. Rajive Kumar
Member Secretary, AICTE

ATAL/2023/1700018541

Skill India

ATAL

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

AICTE Training and Learning (ATAL) Academy

Certificate

It is certified that Mr. Marrapu Samba Siva Rao, Associate Professor of Usharama college of engineering and technology has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on Convolutional Neural Networks (CNN) with Generative Adversarial Networks (GANs) at sir c r reddy college of engineering from 11/12/2023 to 16/12/2023.

Coordinator

Bureau Head (ATAL)

F.No AICTE/FDP-SI/OnlineWorkshop/201/186860

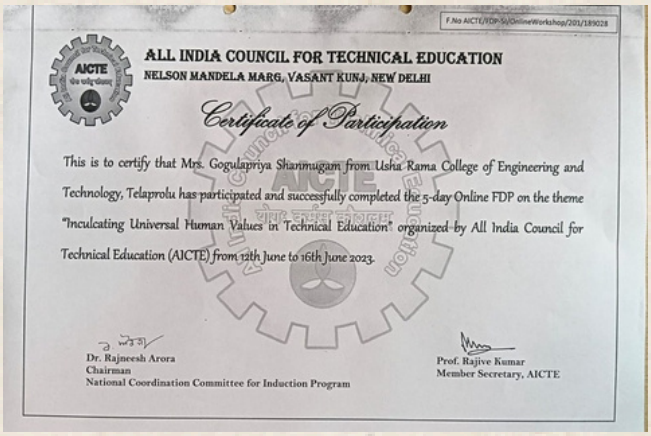
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
NELSON MANDELA MARG, VASANT KUNJ, NEW DELHI

Certificate of Participation

This is to certify that Mrs. Naga Mounika Tulimilli from Usha Rama College of Engineering and Technology, Telaprilu has participated and successfully completed the 6-day Online UHV-II FDP organized by All India Council for Technical Education (AICTE) from 15 May to 20 May 2023.

Dr. Rajneesh Arora
Chairman
National Coordination Committee for Induction Program

Prof. Rajive Kumar
Member Secretary, AICTE



F.No AICTE/FDP-SI/OnlineWorkshop/201/189028

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
NELSON MANDELA MARG, VASANT KUNJ, NEW DELHI

Certificate of Participation

This is to certify that Mrs. Gogulapriya Shanmugam from Usha Rama College of Engineering and Technology, Telaprolu has participated and successfully completed the 5-day Online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) from 12th June to 16th June 2023.

Dr. Rajneesh Arora
Chairman
National Coordination Committee for Induction Program

Prof. Rajive Kumar
Member Secretary, AICTE

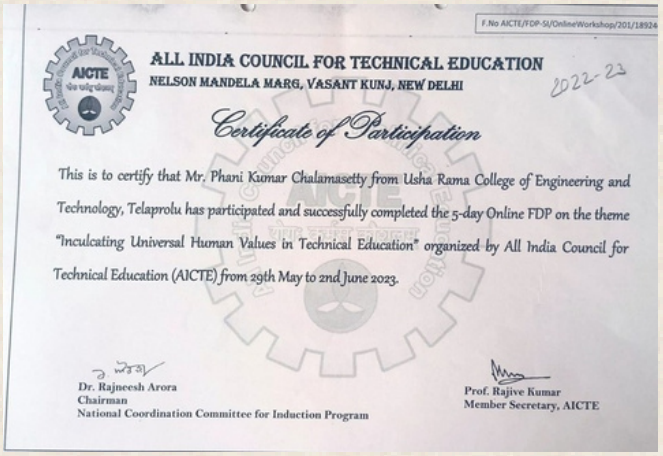
ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
NELSON MANDELA MARG, VASANT KUNJ, NEW DELHI

Certificate of Participation

This is to certify that Mrs. Katru Bhavani from Usha Rama College of Engineering and Technology, Vijayawada Rural has participated and successfully completed the 5-day Online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) from 22 May to 26 May 2023.

Dr. Rajneesh Arora
Chairman
National Coordination Committee for Induction Program

Prof. Rajive Kumar
Member Secretary, AICTE



F.No AICTE/FDP-SI/OnlineWorkshop/201/18924

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
NELSON MANDELA MARG, VASANT KUNJ, NEW DELHI

2022-23

Certificate of Participation

This is to certify that Mr. Phani Kumar Chalamasetty from Usha Rama College of Engineering and Technology, Telaprolu has participated and successfully completed the 5-day Online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) from 29th May to 2nd June 2023.

Dr. Rajneesh Arora
Chairman
National Coordination Committee for Induction Program

Prof. Rajive Kumar
Member Secretary, AICTE

F.No AICTE/FDP-SI/OnlineWorkshop/201/188928

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
NELSON MANDELA MARG, VASANT KUNJ, NEW DELHI

Certificate of Participation

This is to certify that Ms. Veerla Sandhya from Usha Rama College of Engineering and Technology, Telaprolu has participated and successfully completed the 5-day Online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) from 12th June to 16th June 2023.

Dr. Rajneesh Arora
Chairman
National Coordination Committee for Induction Program

Prof. Rajive Kumar
Member Secretary, AICTE

Student Achievements

Students of Usha Rama College have consistently excelled in academics, sports, and technology, showcasing their dedication and talent. Many have achieved top ranks in university exams and secured prestigious scholarships. Their participation in national coding competitions, hackathons, and technical fests highlights their problem-solving skills and innovation. Students have also made remarkable contributions to research, publishing papers in reputed journals and conferences. Beyond academics, they shine in cultural events, sports tournaments, and leadership roles in student organizations. Many have secured internships and placements in top companies, demonstrating their career readiness. Their involvement in community service reflects a sense of social responsibility. With achievements in app development, robotics, and entrepreneurship, they continue to push boundaries. Their hard work and perseverance shape a promising future. Usha Rama College takes pride in nurturing such talented individuals who make a difference in various fields.

BATHULA SRIJA
TECHNOVA
NATIONAL
2nd prize

GUNUPUDI RAMYA
DEBBUGING
NATIONAL
3rd prize

BANDELA SIRISHA
DEBBUGING
NATIONAL
participated

CHUNDRU SPANDHANA
ETHICAL HACKING
NATIONAL
participated


VIT BHOPAL

CERTIFICATE

OF PARTICIPATION

This certificate is presented to Mr/Ms

Tanay Chandra Regula

with registration number 23BCY10335 for his/her active role as a student coordinator in the HUSTLE '23 conducted on 13th December 2023 at VIT Bhopal University.

DR. CHANDAN KUMAR BEHERA
DEPUTY DIRECTOR STUDENT WELFARE

DR. TRAPTI SHARMA
FACULTY COORDINATOR

with You


SESHADRI RAO GUDLAVALLERU ENGINEERING COLLEGE

ADYUGA

FUSIONX'2K23

Two Day National Level Technical Competition

CERTIFICATE OF APPRECIATION

This is to certify that Mr/Ms Ajit kumar

has won the prize in Drone Extreme challenge event conducted by the Department of Internet of Things, SRGEC in Association with Drones Club, IIIT and ADYUGA EdTech Solutions on 14th - 15th September 2023.

Akash Vellore
Director and Founder
Adyuga EDTECH SOLUTIONS

Dr.Y.Syamala
HOD, IoT

Dr.G.V.S.N.R.V.Prasad
Principal, SRGEC

Play, Compete, Celebrate Staff Sports at Usha Rama

Usha Rama College of Engineering and Technology recently organized an exciting Staff Sports Event, bringing together faculty and staff members for a day filled with enthusiasm, sportsmanship, and healthy competition. The event aimed to promote team spirit, fitness, and relaxation among the teaching and non-teaching staff.

The sports event featured a wide range of indoor and outdoor games, ensuring participation from everyone regardless of their fitness level or expertise. Some of the key sports included:

✓ Cricket – A thrilling match where teams displayed exceptional teamwork and strategy.

✓ Badminton – Fast-paced singles and doubles matches that tested agility and precision.

✓ Volleyball – Intense rallies and powerful smashes kept the audience engaged.

✓ Chess – A battle of minds where participants showcased their strategic thinking.

✓ Carrom – A fun and competitive indoor game enjoyed by many staff members.

✓ Running & Relay Races – High-energy sprint events that added excitement to the day.

The event was conducted in a friendly yet competitive spirit, encouraging participants to step out of their daily routines and engage in physical activities. The matches were officiated by referees, ensuring fair play and a professional approach.

Winners and runners-up were awarded medals and certificates, appreciating their efforts and performance. The sports event not only provided a refreshing break from academic responsibilities but also strengthened camaraderie and teamwork among staff members.

The event concluded with a felicitation ceremony, where college management expressed their appreciation for the enthusiastic participation and encouraged faculty to continue engaging in sports for a healthier lifestyle.

It was a memorable and rejuvenating experience for everyone involved, reinforcing the importance of fitness, fun, and togetherness at Usha Rama College of Engineering and Technology.

Events like these reinforce the importance of promoting a healthy lifestyle through fun, fitness, and shared experiences. At Usha Rama College of Engineering and Technology, such initiatives reflect a broader commitment to holistic development—nurturing not only academic excellence but also physical wellness and community spirit among faculty and staff alike.

The Spirit of Sports
Usha Rama Student Games

The Student Sports Event at Usha Rama College of Engineering and Technology was a spectacular celebration of athleticism, energy, and team spirit. With a wide array of events like track races, football, volleyball, and badminton, students showcased their skills, determination, and sportsmanship.

The competition was fierce, but the focus was always on participation, unity, and fun. The day brought out the best in every student, fostering a sense of camaraderie and a competitive yet friendly atmosphere. The spirited matches and high-energy performances kept the entire college buzzing with excitement.

At the end of the day, the winners were celebrated, not only for their victories but also for their unwavering dedication and teamwork. The event proved once again that at Usha Rama, we value physical fitness, mental resilience, and community spirit, making this sports event a highlight of the academic year.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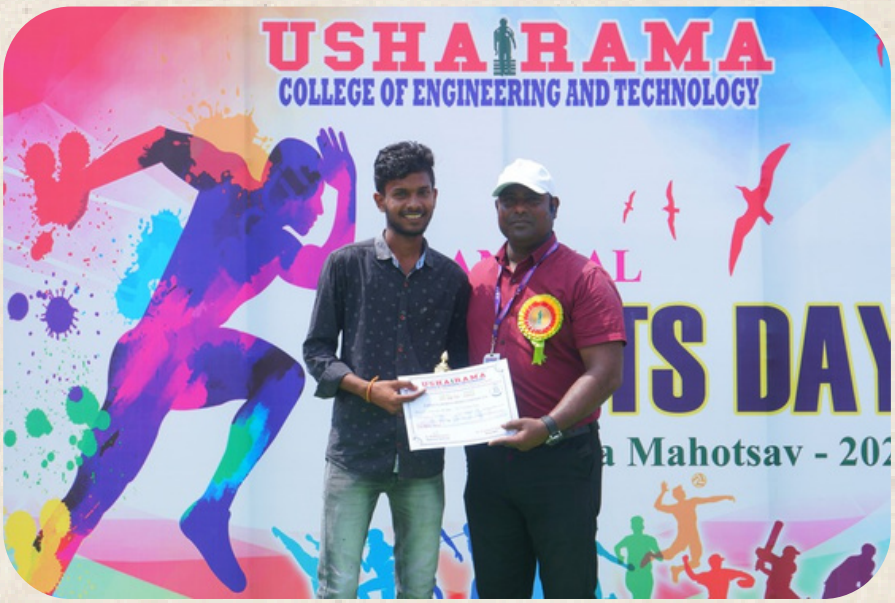
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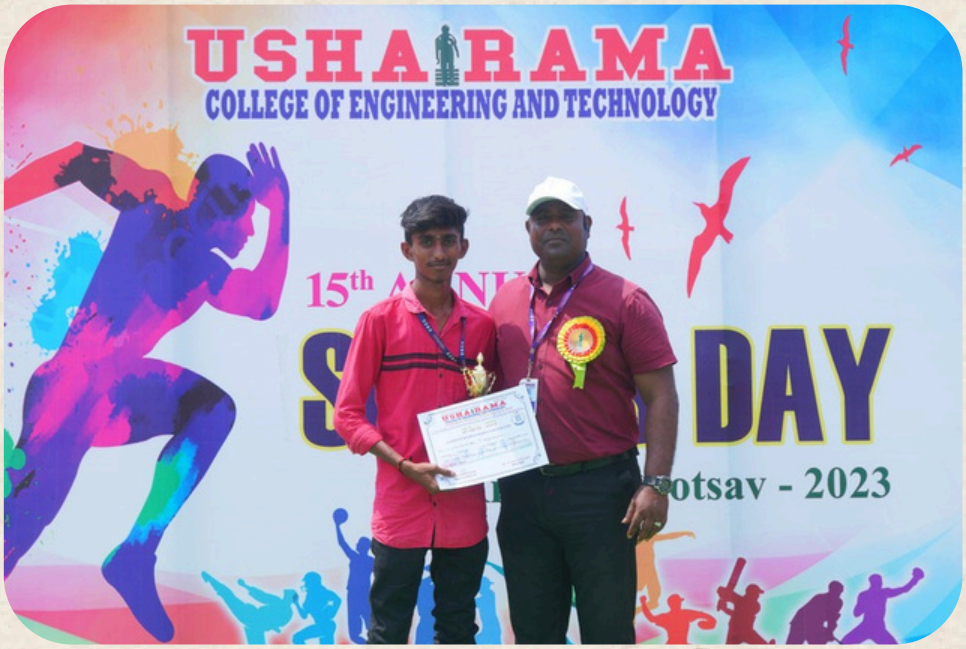
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National Service Scheme

Usha Rama College of engineering and technology conducted a road safety program to prevent accidents and to spread awareness on traffic rules. The traffic in charge officer **M.V.I.Ramanarao** has instructed the students on how to act when we come across accidents he said when someone has injured by an accident we should first inform the police and take care of them and check if there are any nearby hospitals. Also maintaining road Safety measures like wearing helmet and seat belts. Also said we must follow traffic rules without fail.

The principal **Dr.G.V.K.S.V.Prasad** has thanked **M.V.I.Ramanarao** and road safety trainer M.Vasu for bringing awareness in students and also informed all the students that it is important to have license.

రహదారి భద్రత నిబంధనలు పాటించాలి

● మోటార్ వెహికల్ ఇన్స్పెక్టర్ రమణారావు

ఉంగుటూరు, నవంబరు 8: రోడ్డు ప్రమాదాల బారి నుండి మనందరం ఉండాలంటే ప్రతి ఒక్కరూ రహదారి భద్రతా నిబంధనలు భక్తితంగా పాటించాలని మోటార్ వెహికల్ ఇన్స్పెక్టర్ రమణారావు అన్నారు. మండల పరిధిలోని కేల ప్రోలు ఉషారామా ఇంజనీరింగ్ కళాశాలలో ఎన్ఎస్ఎస్ విభాగం ఆధ్వర్యంలో సోమవారం రహదారి భద్రతపై విద్యార్థులకు అవగాహన సదస్సు నిర్వహించారు. ముఖ్యఅతిథిగా విచ్చేసిన రమణారావు మాట్లాడుతూ, ప్రమాదం అనేది చెప్పిరాదని, రోడ్డుపై ప్రయాణించేటప్పుడు వాహనాన్ని అప్రమత్తంగా నడుపుతూ సురక్షితంగా గమ్యస్థానానికి చేరాలని సూచించారు. రోడ్డు ప్రమాదాల నివారణలో మనమందరం సమన్వయంతో కలిసి ప్రయాణం చేయాలన్నారు. రోడ్డు ప్రమాదానికి గురైన వ్యక్తులను రక్షించుకోవడం

రహదారి భద్రతపై అవగాహన కల్పిస్తున్న రమణారావు, పాల్గొన్న విద్యార్థులు

ప్రమాదం జరిగినప్పుడు వెంటనే పోలీసులకు సమాచారం అందించాలని, క్షతగాత్రుల పట్ల మానవతాధృక్పథంతో స్పందించాలని తెలిపారు. ఈ సందర్భంగా సీట్‌బెల్ట్ హెల్మెట్ ధరించడం, డ్రైవింగ్, సెల్‌ఫోన్ డ్రైవింగ్, అతివేగం లకు అవగాహన కల్పించారు. విద్యార్థులందరూ తప్పనిసరిగా డ్రైవింగ్ లైసెన్స్ కలిగివుండాలని సూచించారు. కళాశాల ప్రిన్సిపాల్ ప్రసాద్, రహదారి భద్రత బ్రాంచ్ ఎంవాసు, ఎన్ఎస్ఎస్ ప్రోగ్రామ్ ఆఫీసర్ విశ్వేశ్వరరావు,

ా కాలేజీ విద్యార్థులకు మాదక ద్రవ్యాల వినిమయం, దుష్ఫలితాలు అనే అంశాలపై

ూరు (తెలుగుదేశం విలేఖరి)

లీసుల ఆధ్వర్యంలో తేలప్రోలు ఉ
జీ విద్యార్థులకు మాదక ద్రవ్యాల
దుష్ఫలితాలు అనే అంశాలపై
కార్యక్రమం నిర్వహించారు. ఈ
తూర్పు విభాగం ఎసిపి శ్రీ విజయ్
న్నవరం. సర్కిల్ ఇన్స్పెక్టర్ కోమాకుల
య్యారు. కాలేజీ ప్రిన్సిపాల్ శ్రీ ప్రసాద్
యాజమాన్యం సహకారంతో
ఈ కార్యక్రమంలో గన్నవరం సిఐ
జీ దిశ మొబైల్ అప్లికేషన్ మరియూ

పై అవగాహన కల్పించగా, ఎసిపి శ్రీ విజయ్ పాల్ గారు, మాదక ద్రవ్యాల వినియ, చట్ట
ోవాల్సి జాగ్రత్తలు అనే అంశాలపై అవగాహన కల్పించారు.

మాదక ద్రవ్యాలతో ప్రమాదం

ప్రజాశక్తి-గన్నవరం

గుటూరు మండలం ఆత్కూరు పోలీస్‌స్టేషన్ ఆధ్వర్యం
ప్రోలు ఉషారామా కాలేజీ విద్యార్థులకు మాదక ద్రవ్యా
మయం, దుష్ఫలితాలు అనే అంశాలపై అవగాహ
్యక్రమం నిర్వహించారు. తూర్పు విభాగం ఎసిపి విజ
, గన్నవరం సిఐ కోమాకుల శివాజీ హాజరయ్యారు. కాలే
్రిపాల్ ప్రసాద్ మాట్లాడారు. సిఐ కోమాకుల శివాజీ ది
ైల్ అప్లికేషన్, సైబర్ నేరాలపై అవగాహన కల్పించార
పి విజయ్ పాల్ మాదక ద్రవ్యాల వినిమయం, చట్ట
ధి, యువత తీసుకోవాల్సి జాగ్రత్తలుపై అవగాహ
ంచారు.

Thu, 07 October 2021
epaper.prajasakti.com/c/63601069

గన్నవరం, మహానగర్ న్యూస్ : ప్రమాదం అనేది చెప్పి రాదని ఏదైనా రోడ్డు ప్రమాదం జరిగినప్పుడు ప్రమాదానికి గురైన వ్యక్తిని రక్షించుకోవడం మన బాధ్యతగా వహించాలని మోటార్ వెహికల్ ఇన్స్పెక్టర్ రమణారావు అన్నారు. సోమవారం ఉంగుటూరు మండలం తేలప్రోలు ఉషారామా ఇంజినీరింగ్ కళాశాలలో ఎన్.ఎస్.ఎస్ ఆధ్వర్యంలో రహదారి భద్రతపై అవగాహన కార్యక్రమం జరిగింది. ఈ సందర్భంగా జరిగిన కార్యక్రమంలో ఎమ్.వి.ఐ రమణారావు మాట్లాడుతూ రోడ్డు ప్రమాదాల పట్ల ప్రతి ఒక్కరు బాధ్యతగా మెలగాలన్నారు. రోడ్డు ప్రమాదం జరిగినప్పుడు పోలీసులకు సమాచారం ఇచ్చినంత మాత్రాన మన బాధ్యత తిరినట్లు కాదని, ప్రమాదానికి గురైన వ్యక్తిని సకాలంలో

ABN ఆంధ్రజ్యోతి

VIJAYAWADA

యువత మత్తుకు చిత్తవ్వొద్దు

● విద్యార్థులు దిశ యాప్‌ను డౌన్‌లోడు చేసుకోవాలి
● దిశపై అవగాహన కార్యక్రమంలో
సాక్షితో ఏసీపీ ఫాను

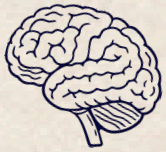
బ్యాంక్ ఆఫ్ బరోడా

సత్వరసేవ ప్రకటన

ుక్కరు మొక్కలను నాటి సంరక్షణపై దృష్టి పె

వార్తప్రభ డిసెంబర్ 21 : ప్రతి
ుక్కలను నాటి వాటి సంరక్షణ బాధ్యత
ని ప్రిన్సిపాల్ డా.జివికే వి ప్రసాద్ పిలుపు
ుఖ్యమంత్రి వైఎస్ జగన్ మోహన్ రెడ్డి
ువం పురస్కరించుకుని ఉంగుటూరు మం
ప్రోలు ఉషారామ ఇంజినీరింగ్ కాలెజీలో
న్. పోగ్రామ్ అఫిసర్ డా శ్రీహరి బాబు
మొక్కలు నాటే కార్యక్రమాన్ని నిర్వహిం
ందర్భంగా ప్రసాద్ మాట్లాడుతూ పకృతి
బాధ్యత ను నేటి యువత తీసుకోవాలని సూచించారు.పె
ు చెట్లు నాటాలని అందుకు యువత నడుం కట్టాలనికోర

Academic Excellence



In every academic journey, there are individuals who rise above challenges and consistently strive for excellence. This year, our highest SGPA achievers have demonstrated not only outstanding academic performance but also an inspiring level of dedication, discipline, and intellectual curiosity.

These students have excelled across all subjects, balancing rigorous coursework, assignments, and examinations with unwavering focus. Their ability to maintain exceptional academic standards showcases their determination to make the most of every learning opportunity. Achieving the highest SGPA is not just a reflection of grades, but a testament to countless hours of focused study, critical thinking, and self-motivation.

Their achievement is a source of pride for the entire institution and a benchmark for others to aspire to. It also reflects the quality of guidance provided by our faculty and the enriching academic environment fostered on campus. These high performers remind us that success is built on consistency, passion for learning, and an unshakeable will to improve.

Beyond academics, many of these students have also been active contributors to technical clubs, research activities, and campus initiatives — proving that true excellence is multidimensional. Their holistic approach to growth serves as a role model for peers and juniors alike.

As we celebrate their success, we acknowledge the support of their families, mentors, and the college ecosystem that nurtured their journey. We look forward to seeing these bright minds evolve into future leaders, innovators, and changemakers of the world.

May their achievement continue to ignite a spark of inspiration in every student striving to reach new academic heights.

These accomplishments also reflect a strong sense of responsibility toward learning and a genuine passion for academic excellence. The highest SGPA achievers have demonstrated an ability to think critically, manage time effectively, and remain committed even during demanding academic phases. Their consistent performance is a clear indication of their willingness to go beyond minimum expectations and strive for mastery in their chosen fields.Furthermore, their journey serves as a powerful reminder that success is built through patience, perseverance, and continuous self-improvement. Every challenge they encountered became an opportunity to grow stronger and more focused. Such dedication not only shapes outstanding students but also builds confident individuals prepared to face future professional and societal challenges.

TOPPERS OF THE YEAR

2ND YEAR

G.VENKATA RAMYA(22NG1A0593)-9.35

B. VENKATAKRISHNA (22NG1A0506)-9.32

3RD YEAR

K.S.S.SAI KUMAR(21NG1A0521)-9.37

L. SAI ANUSHA(21NG1A0531)-9.55

4TH YEAR

B.JAGADEESWARI(21NG5A0507)-9.65

B.SRIJA(21NG5A0503)-9.55

USHARAMA

COLLEGE OF ENGINEERING AND TECHNOLOGY

AUTONOMOUS

"Technology trust is a good thing but control is a better one"

--stephan nappo

TECHNOZOLA

A CSE Students Association

COMPUTER SOCIETY OF INDIA

ESTD. 1965

सर्वे भवन्तु सुखिनः