SKCET Buzz

22nd - 28th JUNE 2024

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INSIDE THE ISSUE

Happy Reading!

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INSTITUTIONAL

EVENTS

SKCET | PRINCIPAL INTERACTION WITH FACULTY MEMBERS

Dr. K. Porkumaran, **Principal** of SKCET, interacted with the faculty members of the **Science and Humanities** department on 21.6.2024 to establish a collaborative and supportive environment and identify key areas for development and improvement. During his interaction, the Principal highlighted the significance of Research outcomes and innovation, as well as the adoption of Blended learning models.

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STUDENTS PROGRESSION

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MECH | AUTODESK FUSION INSIDER DESIGN EVENT

Sudhan V and **Vinay Kumar E**, students of **Third** year **Mechanical Engineering** have participated in the Autodesk Fusion Insider Design event held at KPRIET, Coimbatore on 19.06.24.

EEE | NAAN MUDHALVAN - NIRAL THIRUVIZHA HACKATHON

2024 batch students team from the Department of EEE presented their innovative project in **Naan Mudhalvan - Niral Thiruvizha Hackathon 2024 Final Review,** held at Government College of Technology, Coimbatore on 25.06.2024. This hackathon showcased the projects addressing the critical challenges faced by TamilNadu Government Departments, Industries and Private sectors. The project was evaluated by a distinguished panel of Anna University Professors, Directors of various Centers of Excellence and Subject Experts. The team received a grant of **Rs. 10,000/-** to further refine and enhance their innovative solutions.

Theme: Clean and Green Technology
Project Title: Implementing Solutions for Tackling Fugitive Dust Emissions from Stone Crushing Units & Crematoriums
Team Members:
Dhinesh Balaji S - 2024 Batch EEE
Harish K - 2024 Batch EEE
Kathirvel S - 2024 Batch ECE
Faculty Mentor:
Mr. S. Karthikeyan, AP/EEE

CIVIL | NAAN MUDHALVAN - NIRAL THIRUVIZHA HACKATHON

Saikrupa S, Srikaran R, Charuthy A and **Hariram K,** students of **Final** year **Civil Engineering** participated in TNSDC **Naan Mudhalvan - Niral Thiruvizha 2024** Grand Final Review and presented their project work to the expert committee on 25th June 2024 in Government College of Engineering and Technology, Coimbatore.

Theme: Clean and Green Technology.

Title: Self Healing Geopolymer Concrete with Utilization of Construction and Demolition Waste.

Mentor: Dr. R. Chandra Devi, Associate Professor, Civil

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EVENTS

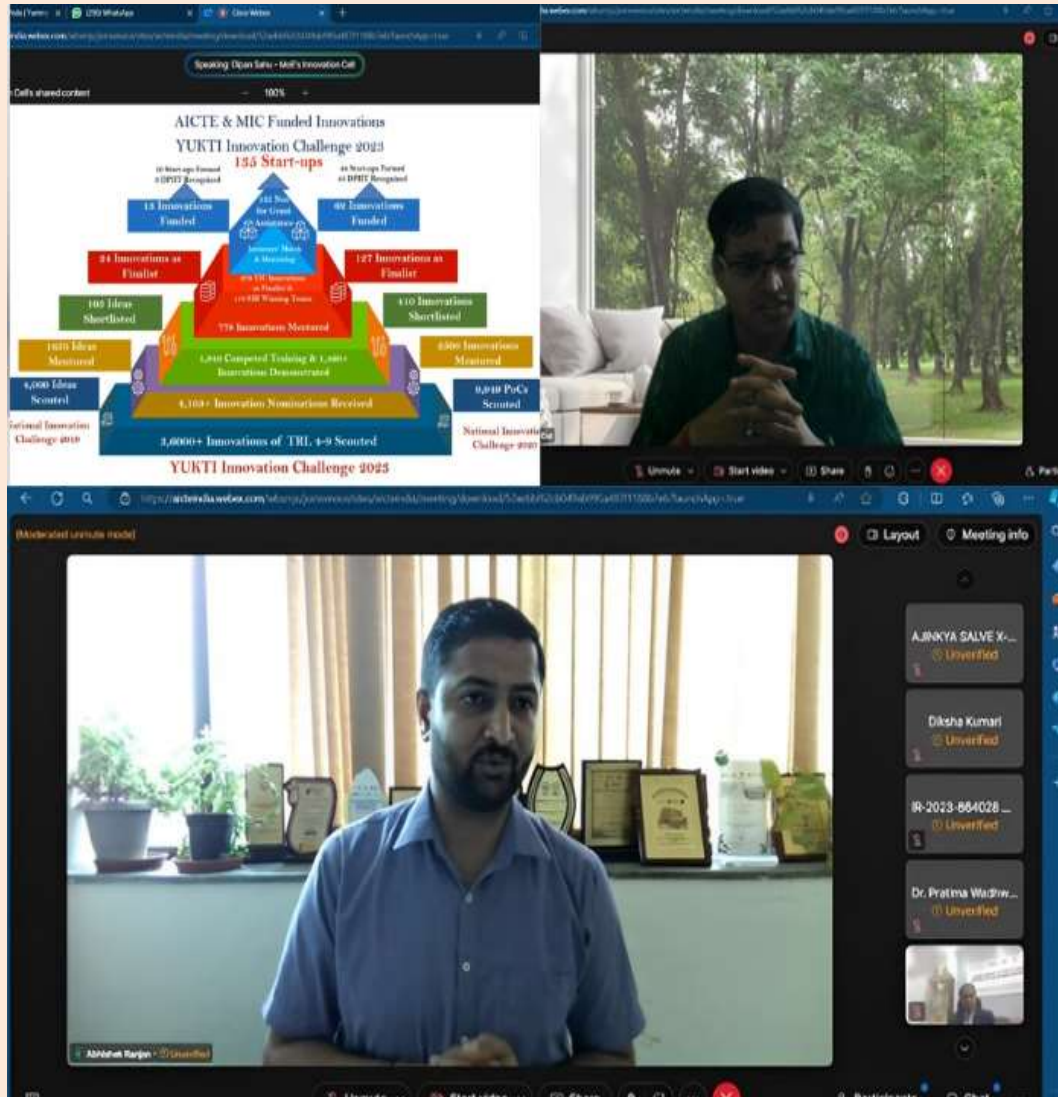Follow us @

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MECH | YUKTI INNOVATION CHALLENGE 2023-24

The orientation session on **Grant Utilization Guidelines for team members of YIC 2023** (YUKTI Innovation Challenge) funded innovations was held on 24th June 2024, at the Ministry of Education's Innovation Cell, AICTE HQ, New Delhi. The session was led by Dipan Sahu, Assistant Innovation Director, Ministry of Education's Innovation Cell.

EEE | WEBINAR ON SEMICONDUCTOR

Faculty members of **EEE** Department attended a webinar on **'Semiconductor Faculty/Student Training Program'** an initiative by **TZE-Chiang Foundation of Science and Technology (TCFST), Taiwan** endorsed by **All India Council for Technical Education (AICTE), New Delhi,** Government of India on 25.06.2024.

EEE | WEBINAR ON SEMICONDUCTOR

- **Session Takeaways:**

- Basic principles of semiconductors, including their properties, types, and the physics behind their operation

- Semiconductor Materials

- Device Fabrication Techniques

- Semiconductor applications

CIVIL | YOGA DEMONSTRATION PROGRAMME

Department of **Civil Engineering** in association with NSS organized a **Yoga Demonstration Programme** as a part of **10th International Yoga Day** to the students of **Kurumbapalayam Government High School** on 21.06.2024. The resource organizers were Kovai Manavalakalai Mandram Trust, BK Pudur, Coimbatore.

Training Takeaways:

- Physical Health
- Mental Well-being
- Emotional Balance
- Spiritual Growth
- Lifestyle Improvement

CSE| FACULTY DEVELOPMENT PROGRAM

cordially invites you for the
Two Day Faculty Development Programme
on

COMPUTER ARCHITECTURE

Resource Persons

Session 1	Session 2
Dr. J. Granty Regina Elwin	Dr. N. Kousika
Programme Coordinator/CSE	Assistant Professor/CSE
Session 3	Session 4
Dr. V. Vijeya Kaveri	Ms. V.R. Azhaguramyaa
Professor/CSE	Assistant Professor/CSE

Department of **Computer Science and Engineering** organized a **Two day** Faculty Development Program on **"Computer Architecture"** for the faculty members of SKCET on **June 24th and 25th**.

CSE| FACULTY DEVELOPMENT PROGRAM

Day 1
Session 1
Resource Person:
Dr.J.Granty Regina Elwin
Programme Coordinator-CSE, SKCET.
Topic**:** Basic Operational Concepts - Design of CPU
Session Takeaways:
- Introduction to Computer Architecture
- Instruction format
- Instruction set
- Addressing modes

Session 2
Resource Person:
Dr.N.Kousika
AP/CSE, SKCET.
Topic: Hardwired Control - Programmable Array Logic
Session Takeaways:
- Hardwired Control Unit
- Micro Programmed Control Unit
- Programmable Logic Array
- Programmable Array Logic

Session 3
Resource Person:
Dr.V.Vijeya Kaveri
Associate Professor/CSE, SKCET.
Topic: Cache Memory - Multicycle MIPS
Session Takeaways:
- Memory Organization
- Cache Mapping Techniques
- Virtual Memory
- Multicycle MIPS

Session 4
Resource Person:
Ms.V.R.Azhaguramyaa,
Assistant Professor / CSE,SKCET.
Topic**:** Pipelining-Influence on Instructions Sets
Session Takeaways:
- Pipelining Basic Concepts
- Data Hazards
- Instruction Hazards
- Influence on Instructions sets

Session 5
Resource Person:
Dr.S.Oswalt Manoj
Associate Professor/CSE,SKCET.
Topic: Datapath and Control Consideration - Multicore Architecture
Session Takeaways:
- Datapath and Control consideration
- Superscalar Operations
- Instruction Level Parallelism
- Multicore Architecture

Session 6
Resource Person:
Dr.M.Rohini
Assistant Professor/CSE, SKCET.
Topic: I/O communication – Interrupts

Session Takeaways:
- Handshaking
- Buffering
- I/O techniques
- Buses and Interrupts

CSE| GUEST LECTURE ON AI AND ML IN OPEN RAN

Department of CSE organized a Guest Lecture on **"AI and ML in ORAN" on 24.06.2024**.

Resource Person: Mrs.PramilaSekar , Business & Integration Arch Manager, Accenture.

Session Takeaways:

- Understanding Open Radio Access Network ORAN
- 4G Network design
- Virtualization in real time
- Cloud Engineering applications
- Networking system design

CSY|FDP ON CONNECTED: ADVANCING NETWORKING AND COMMUNICATIONS

A Two-Day FDP on **ConnectEd: Advancing Networking and** faculty members was organized by the Department of CSY on 20.6.2024 and 21.6.2024.

Day 1(20.06.2024)

Resource Person:

Dr.K.Sivabalan, Professor/ IT, SKCET, Coimbatore

Topic: Introduction to Networks and Socket Programming

Session Takeaways:

- Basics of Networks
- Socket Programming in a LAN Network: Hands-on session
- IP addressing and subnetting.

CSY|FDP ON CONNECTED: ADVANCING NETWORKING AND COMMUNICATIONS

Day 2 (21.06.2024): Session 1

Resource Person:

Ms.Antonitta Eileen Pious, AP/ CSE (CY), SKCET

Topic: Advanced Networking
 Session Takeaways:

- System and Network administration commands

- Sliding Window Protocol

- Congestion control techniques

- Network Analyser-Wireshark

Session 2
Resource Person:
Ms.Majidha Fathima, AP/ CSE, SKCET
Topic: Advanced Networking
 Session Takeaways:

- Routing Algorithms

- Network Architecture and topology

- Error Control and detection

- Network Simulator-Cisco Packet Tracer

IT| AWARENESS PROGRAMME ON PREVENTION OF DRUG ABUSE

Department of **Information Technology** in association with **NSS** organized an **Awareness programme on Prevention of Drug Abuse** on 26.06.2024. The Resource person was **Timple Luloo**, Managing Director, Fugle Pharma Founder, Coimbatore.

Session Takeaways:

- Understanding Drug Abuse
- Why Prevention Matters
- Education and Awareness
- Strong Support Systems
- Promoting Healthy Lifestyles
- Community Involvement
- Early Intervention & Open Dialogue

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TUTOR WARD MEETING

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IT| TUTOR WARD MEETING

Mr.Shivashankar S, and **Ms.Vizhiarasi S,** Assistant Professors, **IT** conducted Tutor Ward Meeting for the First year IT students on 21.06.2024.
Pointers of Discussion:

- End Semester exam preparedness
- Importance of Placements and Problem of the Day
- Hostel Rules and Regulations and Willingness of the Hostel for the next Academic Year.
- Completion of the ICT Skillathon and NASSCOM courses.

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PLACEMENT AND

TRAINING

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SKCET- INFOSYS SPRINGBOARD – TAMILNADU SPOC MEET

Dr.JayasudhaSubburaj, Dean Placement and **Dr.M.Kavitha** ,Placement Coordinator attended Infosys springboard - TamilNadu SPoC Meet on 24.06.2024

Infosys Springboard Highlights

- New TN SPOC from Infosys
- Appreciated SKCET Course Completion status
- Discussed about upcoming FEPs in Infosys SpringBoard

EEE | PLACEMENT TESTIMONIALS

I am Kabilan A G, Final year student of Electrical and Electronics Engineering 2021 – 2025 batch. I profoundly thank SKCET family for guiding me to uplift my knowledge and strengthen my technical skills which made me more professional and smarter. I am very grateful to my Head of the Department, my tutors and the faculty members of EEE department who nurtured me with the great knowledge and polished me with their great teaching. The placement training tests helped me to crack interviews and company tests. Placement cell guided me fully to be placed in a good company. As a result of this I am now placed at KONE. I would like to express my heartfelt gratitude to the placement cell for providing me the solid foundation of my career.

Thank you once again for being a part of my journey and for helping me to reach this milestone.

KABILAN A G
EEE (2025 Batch)
Kone - 4.5 LPA

PLACEMENT TESTIMONIALS

Firstly, I would like to extend my heartfelt thanks to the entire Sri Krishna family for their unwavering support and dedication. Today, as I embark on this exciting journey in my career, I can confidently say that Sri Krishna has not just imparted education, but has also nurtured my overall development. The guidance and support provided by the faculty and placement team were exceptional. Not only did they equip me with the necessary skills and knowledge, but they also groomed me to be a confident and industry-ready professional. I am incredibly grateful to the professors and staff of my department for their rigorous training, which played a pivotal role in helping me secure a covered position at Zoho.I can say that SKCET has been the best part of my life and I admire the support and dedication I received from the management, faculty members and SKCET Placement Cell.

KISHORE N R - EEE
ZOHO

PLACEMENT TESTIMONIALS

My name is Ashwanth S, and I am from the Civil Engineering department, Batch of 2020. My experience at SKCET was outstanding. The faculty and staff were incredibly encouraging and motivating, offering moral support in every aspect and helping me gain knowledge in both academics and non-academics. Being a core department, we received clear and thorough conceptual learning, which significantly aided us in securing positions with core companies during the placement drives organized by the college's placement cell. I am deeply grateful to my parents, the SKCET management, the Principal, and the faculty members for this wonderful opportunity.

ASHWANTH S – CIVIL
BLUESCOPE STEEL INDIA PRIVATE LIMITED

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RESEARCH AND DEVELOPMENT

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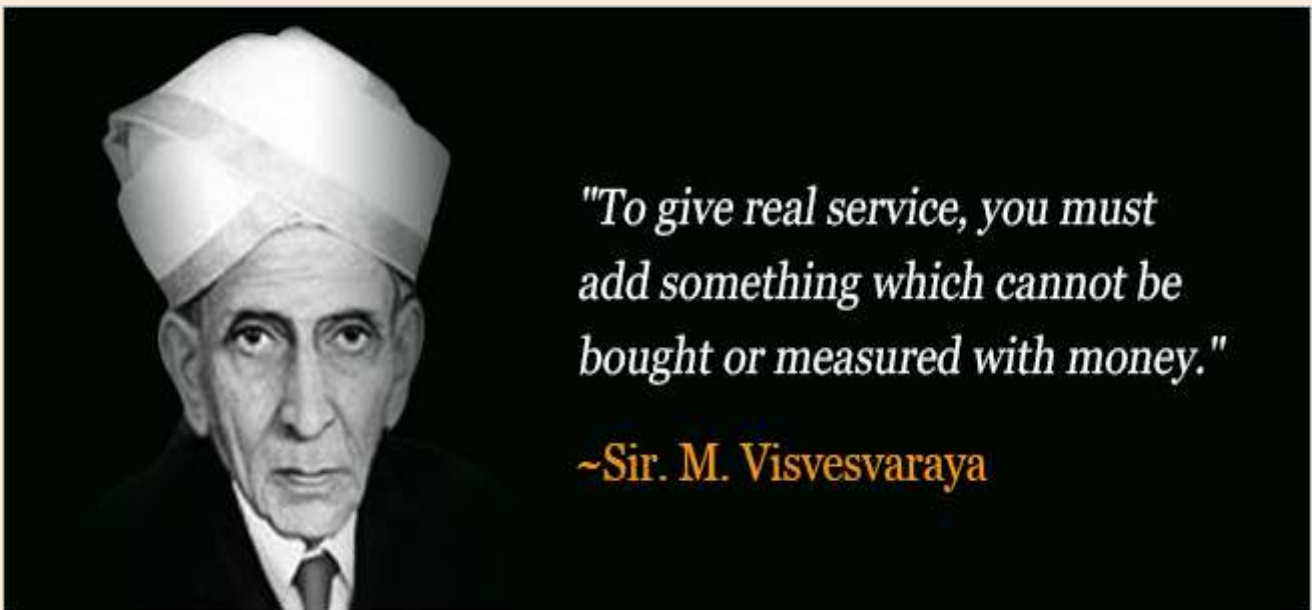f
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IT| JOURNAL PUBLICATION

Dr.T.Keerthika, Associate Professor, **IT** has published a paper titled **"Virtual Reality And Augmented Reality: Future Trends In Technology And Education"** in the Journal of ACTA SCIENTIAE (Q2) Volume 7. It is a Scopus Indexed Publication.

LEGENDARY INSIGHTS

"To give real service, you must add something which cannot be bought or measured with money."

~Sir. M. Visvesvaraya

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SKCET | MY BHARAT TRAINING PROGRAMME

Dr B.Karthikeyan, Associate Professor**,** Department of **Electrical and Electronics Engineering,** was invited as a Resource Person for **My Bharat Portal Training program**, Ministry of Youth Affairs and Sports, organized by KPR Institute of Engineering and Technology, Coimbatore, on 21.06.2024.

Session Focus:

▪Significance of My Bharat Portal.

▪Youth and Partner registration procedures in My Bharat Portal.

▪CV building and publishing the same as Public Profile in Youth Login.

▪Experimental Learning Opportunities - Application, Acceptance, Task Assignment, Evaluation and Certification Process.

▪Empowerment of Youth through 'Volunteer for Bharat' activities.

M.Tech CSE | FACULTY DEVELOPMENT PROGRAM

Mr.J.Senthil , Assistant Professor, Department of **M.Tech CSE** has successfully completed an online certification titled "**Python for Data Science**" by Infosys Spring Board on 25.06.2024.

MECH | QUALITY MANAGEMENT ONLINE PROGRAM

Mr.S.Balu Mahandiran, Assistant Professor, Department of **Mechanical Engineering,** completed **Quality Management online Program** on 20.06.2024, from Institute for Industrial Development (IID) under the mission of Entrepreneurship & Industry Ready Programs.

MECH |NPTEL MENTOR CERTIFICATE

Mr.S.Balu Mahandiran, Assistant Professor, Department of **Mechanical Engineering,** received **Top Performing Mentor** Certificate in recognition of his role as mentor for the NPTEL Online Certification Course from JAN to APR 2024.

CSE | FACULTY DEVELOPMENT PROGRAM

Dr.Latha Maheswari T, Associate Professor, **CSE** has participated in 10 hours of Faculty Development Program on **Presentation Skills** (Online Live FDP) conducted by ICT Academy on 10 Jun 2024 to 14 Jun 2024.

CIVIL| NPTEL CERTIFICATION

Dr. R. Chandra Devi, Associate Professor along with **Dr. S. Sadheesh** and **Mr. S.C. Boobalan,** Assistant Professors, Department of **Civil Engineering** has been awarded a certificate for his contribution as a mentor for the NPTEL certification course on **"Emotional Intelligence".**

CSE | R&D SYMPOSIUM

Ms. V.R. Azhaguramyaa, Assistant Professor, **CSE** participated in the **MAGIC R&D Symposium** organized by Multicoreware at IIT Palakkad on June 17th, 2024. In recognition of her question about portability, she received a goodie from Mr. Shashikanth Jayaraman, Chief Human Resources Officer at MulticoreWare Inc.

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CIVIL | ALUMNI ACCOLADES

Mr. Jecenth Alfred , an alumnus of Civil Engineering of **Batch 2014 - 2018**, after finishing one year programme on Metro Rail Engineering jointly offered by **IITM & CMRL**, posted as Assistant Manager , Elevated and Underground corridor in **CMRL** (2019 - 2024) . Now he has been admitted into **IIM Bangalore** to pursue PG programme in Management (PGP) 2024 - 2026. The department appreciates and wishes for all his future endeavors.

CAN YOU SOLVE

6 + 9 = 61
5 + 8 = 46
4 + 7 = 33
3 + 6 = 22
1 + 4 = ?

SKCET Buzz

CREATIVE CORNER

Creative Corner

ECE |INTERNATIONAL DAY OF YOGA: JUNE 21

International Day of Yoga: June 21
The International Day of Yoga, celebrated annually on June 21, was established by the United Nations General Assembly in 2014. This day recognizes the ancient physical, mental, and spiritual practice that originated in India over 5,000 years ago. Yoga, derived from the Sanskrit word 'Yuj' meaning union, symbolizes the union of body and consciousness.

Significance

The main aim of the International Day of Yoga is to raise awareness worldwide about the many benefits of practicing yoga. Yoga is more than just physical exercise; it is a holistic approach to health and well-being. Practicing yoga can lead to improved physical fitness, stress relief, inner peace, and enhanced mental clarity. It encourages a balanced lifestyle and fosters harmony between individuals and their surroundings.

Benefits of Yoga

Yoga offers numerous benefits, making it a practice suitable for people of all ages and fitness levels. Here are some key benefits:

Physical Health: Enhances flexibility, strength, and balance. Reduces the risk of chronic diseases and improves cardiovascular health.
Mental Well-being: Reduces stress and anxiety. Promotes mental clarity and emotional stability.
Spiritual Growth: Encourages self-awareness and inner peace.

Global Impact

Since its inception, the International Day of Yoga has been celebrated with great enthusiasm around the globe. Various events, including yoga sessions, workshops, and discussions, are organized in different countries to mark this day.

SAHANA SREE S
III ECE

ECE |EMPOWERING WIDOWS: INTERNATIONAL WIDOWS' DAY

Empowering Widows: International Widows' Day

June 23 is recognized as International Widows' Day, a day dedicated to addressing the issues and challenges faced by widows around the world. This day, established by the United Nations in 2010, seeks to raise awareness about the plight of widows and to galvanize the support needed to help them overcome economic, social, and cultural hardships.

Background

Widows often face significant challenges that affect their quality of life. In many societies, they are subjected to discrimination, stigma, and social isolation. These challenges are exacerbated by economic hardships, as many widows lose their primary source of income upon the death of their spouses. The lack of access to resources and opportunities further hinders their ability to support themselves and their families.

Significance of International Widows' Day

International Widows' Day aims to highlight the urgent need to address the rights and well-being of widows globally. The day provides an opportunity to advocate for policies and programs that empower widows, ensuring they have access to education, employment, healthcare, and social protection. It also encourages communities to challenge harmful traditions and practices that perpetuate the marginalization of widows.

Support and Empowerment

Supporting widows requires a multifaceted approach. Governments, non-governmental organizations, and communities play crucial roles in creating an inclusive environment for widows. Key initiatives include:

1. **Legal Protection**
2. **Economic Empowerment**
3. **Social Support**
4. **Advocacy and Awareness**

Conclusion

International Widows' Day is a call to action for all of us to support and empower widows in our communities. By addressing the systemic issues that contribute to their marginalization, we can help ensure that widows lead dignified, fulfilling lives. Let us use this day to reaffirm our commitment to justice, equality, and support for all widows around the world.

MADHURA N
III ECE

ECE | SALUTING OUR MARITIME HEROES: DAY OF THE SEAFARER

Saluting Our Maritime Heroes: Day of the Seafarer

June 25 is celebrated globally as the Day of the Seafarer, a day dedicated to recognizing the invaluable contributions of seafarers to international trade, the global economy, and society at large. This day, established by the International Maritime Organization (IMO) in 2010, honors the hard work, sacrifices, and dedication of seafarers who navigate the world's oceans, ensuring the smooth movement of goods and resources.

Importance of Seafarers

Seafarers are the backbone of the global shipping industry, which is responsible for transporting more than 80% of the world's trade. Their role is crucial in maintaining the flow of goods, from everyday essentials to critical supplies. Despite facing challenging conditions, long periods away from home, and the inherent risks of maritime work, seafarers continue to perform their duties with unwavering dedication.

Challenges Faced by Seafarers

Seafarers often encounter numerous challenges, including adverse weather conditions, isolation, and the threat of piracy. The COVID-19 pandemic further highlighted their struggles, with many seafarers stranded on ships due to travel restrictions, unable to return home for extended periods. Mental health and well-being are significant concerns, underscoring the need for greater support and improved working conditions.

Celebrating Day of the Seafarer

The Day of the Seafarer provides an opportunity to express our gratitude to seafarers and to raise awareness about their vital role. It is a call to action for governments, shipping companies, and the public to recognize the contributions of seafarers and to advocate for their rights and welfare. Celebrations include events, social media campaigns, and educational programs aimed at highlighting the significance of maritime workers.

Conclusion

As we celebrate the Day of the Seafarer, let us acknowledge the essential work of these maritime heroes who keep the wheels of global trade turning. Their dedication and resilience deserve our utmost respect and support. Together, we can ensure a safer, fairer, and more sustainable future for all seafarers.

MADHANGIDEVI K
III ECE B