HINDUSTHAN EDUCATIONAL AND CHARITABLE TRUST

HICET

HINDUSTHAN

COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF

COMPUTER SCIENCE AND ENGINEERING

CYBERLINES VOLUME:20

2023 – 2024

(EVEN)

EDITOR's DESK

From the Chief Editor Desk...

It gives me immense pleasure to bring out the issue of our magazine "CyberLines" as the name itself symbolize it marks the whole timeline of our department of Computer Science and Engineering.

The main motto of bringing out this magazine is to show the surrounding, our achievement, work and contribution to the society for every academic year. The magazine reveals all the hard work of our students, their extracurricular activities, and we complement their hard work under the winners and toppers in this magazine, and I am quite happy in sharing these details with the Heads of the Departments, our well wishers and all others who are bonded to CSE, through this magazine.

This magazine is also for us to look back to the past, the path we travelled together as a unit. The supports we got from our colleagues and subordinates. It reflects our complete journey of the past year. It gives us time to think about our beloved passed out students, and wish them all success in the corporate life they are undergoing now. The current volume has come out well, and the work from our students has made it more colourful. We hope our forthcoming volume will be enriched more delightful incidents, ideas and thoughts to share.

With Regards
Dr. S. Shankar Head of the Department

CONTENTs PAGE

Dept vision, Dept Mission

Vision

DV: To excel in developing technologically superior, highly competent and socially conscious professionals in computer science and engineering with cutting-edge research skills.

Mission

DM1: To equip the students with technical knowledge and expertise essential for success in their professional career.

DM2: To develop highly qualified and creative computer science and engineering professionals proficient in cutting-edge technologies with leadership qualities.

DM3: To empower students to develop innovative solutions for industrial and societal challenges upholding ethical values.

Dept PEOs, Dept PSOs

Program Educational Objectives (PEOs)

PEO1: To acquire knowledge in the latest technologies and innovations with an ability to recognize, analyze, and solve problems in computer science and engineering.

PEO2: To develop highly skilled computer science and engineering professional proficient in latest technologies with leadership qualities.

PEO3: To empower students to create innovative solutions for industrial challenges that meet societal needs.

Program Specific outcomes (PSOs)

PSO1: An ability to utilize modern tools and techniques for efficient system design and implementation for computer-based systems in solving engineering problems.

PSO2: An ability in developing robust and secure software systems for diverse applications.

ARTICLES BY STUDENTS

Environment and Nature

III CSE
VIKRAM
Department of CSE
HICET

Environment and Nature: Our Lifeline on Earth

The Earth, our home, is a remarkable tapestry of life, where every species and ecosystem plays a vital role. "Environment and Nature" is more than just a phrase; it encompasses the delicate balance and interconnectedness that sustains all life on our planet. As students aiming to participate in article writing competitions, let's embark on a journey to explore the profound significance, beauty, and urgency of preserving our environment and cherishing the wonders of nature.

The Beauty of Nature

Nature is a masterpiece of artistry and diversity. It paints the canvas of our world with awe-inspiring landscapes – from the towering majesty of mountains to the tranquil serenity of forests, and the vast expanse of oceans that cradle our continents. Each ecosystem, whether a rainforest teeming with biodiversity or a pristine desert, tells a unique story of adaptation, resilience, and coexistence.

The Importance of Biodiversity

Biodiversity, the variety of life forms on Earth, is the foundation of healthy ecosystems. It ensures the availability of resources, from the air we breathe to the food we eat. Diverse ecosystems also provide essential services like pollination,tells a unique story of adaptation, resilience, and coexistence.

The Role of Ecosystems

Ecosystems, comprising living organisms and their physical environments, are the engines that drive the planet's functions. Forests act as Earth's lungs, absorbing carbon dioxide and releasing oxygen. Wetlands filter pollutants and mitigate floods. Coral reefs shelter marine life and protect coastlines. Understanding and preserving these ecosystems is essential to safeguarding our environment.

Environmental Challenges

Despite the wonders of our environment, it faces unprecedented challenges. Climate change, driven by human activities, threatens ecosystems, weather

patterns, and sea levels. Pollution, deforestation, habitat loss, and overexploitation of resources exacerbate these issues. The delicate balance of nature is under siege.

Conservation Efforts

The urgency of addressing environmental challenges has led to a global movement for conservation and sustainability. Conservationists and scientists work tirelessly to protect endangered species, restore ecosystems, and combat climate change. Governments, organizations, and individuals collaborate to reduce carbon emissions, promote sustainable practices, and preserve natural treasures.

The Role of Students

Students hold a unique position in the fight for our environment and nature. Education and awareness are potent tools for change. By participating in writing competitions and advocating for environmental issues, students can amplify the message of conservation. Research, innovation, and sustainable practices developed by young minds contribute to a brighter future for our planet.

Real-world Examples

1. Yellowstone National Park: This iconic park in the United States is a testament to nature's resilience. After facing near-extinction, the gray wolf was successfully reintroduced, restoring balance to the ecosystem.

2. The Great Barrier Reef: This natural wonder in Australia is a vibrant ecosystem, but it faces threats from coral bleaching due to rising sea temperatures. Conservation efforts aim to protect and restore this vital marine habitat.

3. Sustainable Agriculture: Initiatives worldwide promote sustainable farming practices that protect soil health, reduce chemical use, and conserve water, ensuring food security and environmental sustainability.

4. Renewable Energy: The transition to renewable energy sources, such as solar and wind power, represents a significant step towards reducing carbon emissions and mitigating climate change.

How do we protect the environment?

Protecting the environment involves reducing pollution, conserving resources, promoting sustainable practices, and supporting conservation efforts to preserve biodiversity and natural ecosystems.

What is the importance of environment and nature?

The environment and nature provide essential resources, maintain ecological balance, support human well-being, and inspire awe and wonder, emphasizing their vital importance for our survival and quality of life.

What is the role of nature in the environment?

Nature plays a central role in maintaining the health of the environment by supporting biodiversity, regulating climate, purifying air and water, and providing valuable resources essential for life on Earth.

"Environment and Nature" are the threads that weave the fabric of life on Earth. Crafting an article on this subject offers a platform to emphasize their intrinsic value, importance, and the urgency of conservation. As you write, remember that our actions today shape the future of our planet, making each word a call to protect and cherish the wonders of nature and our environment.

Women Empowerment

AAGESH VEL . R
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Women Empowerment

In recent years, the concept of women's empowerment has gained significant traction in global discourse, evolving from a rallying cry for feminists to a central goal of international development agendas. For students in the United States, understanding and articulating the nuances of women's empowerment is not only crucial for academic and personal development but also for contributing positively to societal progress. This article aims to delve into the multifaceted aspects of women empowerment, exploring its importance, challenges, and the ongoing efforts to achieve gender equality.

Importance of Women Empowerment

The importance of women's empowerment, especially when targeting an audience of students in the U.S. region for an article writing competition, can be explored through various perspectives. Here are some key points to consider:

1. Promotion of Gender Equality: Empowering women is critical in achieving gender equality. It challenges the traditional norms and roles that often limit women's rights and opportunities. Gender equality contributes to the overall development of society by ensuring that both men and women can contribute equally in all spheres of life.

2. Economic Benefits: When women are empowered, they become active participants in the economy. This leads to diverse business perspectives and can drive economic growth. Studies have shown that companies with more gender diversity among their leadership tend to perform better financially.

3. Educational Impact: Educating and empowering women often leads to a ripple effect, improving the education and health of future generations. Women who are educated are more likely to invest in their children's education, creating a cycle of opportunity and advancement.

4. Political Representation: Women's empowerment is crucial for fair and representative governance. Increased participation of women in politics leads to more inclusive

policies that take into account the needs of the entire population.

5. **Social Change and Community Development:** Empowered women play a key role in advocating for social changes that benefit all members of society. They are often at the forefront of movements for social justice, environmental protection, and community development.

6. **Future Generations:** Finally, empowering women sets a positive example for future generations, promoting a culture of equality,respect, and opportunity for all, regardless of gender.

Economic Benefits

Empowering women in the economy and closing gender gaps in the world of work are key to achieving the 2030 Agenda for Sustainable Development and sustainable development goals, particularly Goal 5, to achieve gender equality, and Goal 8, to promote full and productive employment and decent work for all; and also key to addressing labor market challenges. The economic benefits of empowering women are vast and include:

- Boost to Economic Growth
- Diversification of the Workforce
- Reduced Poverty Levels
- Greater Economic Stability
- Higher Productivity
- Addressing Skill Shortages
- Improved Corporate Performance
- Enhanced Company Reputation
- Social and Environmental Benefits
- Long-term Demographic Benefits

Government Policies

·Equal Pay Legislation: Mandates equal pay for equal work, aiming to close the gender wage gap.

·Paid Family Leave: Provides paid leave for both parents, promoting gender equality in caregiving responsibilities.

·Anti-Discrimination Laws: Prohibit gender discrimination in the workplace, education, and other areas.

·Education Incentives for Girls: Offers scholarships and programs to encourage girls to pursue higher education.

·Women's Health Initiatives: Focuses on improving healthcare access and education for women, including reproductive health.

·Childcare Support Policies: Provides affordable childcare services to help working mothers.

·Political Representation Acts: Encourages and supports women's participation in political leadership roles.

·Business Grants for Women Entrepreneurs: Offers financial aid and resources to women starting their own businesses.
·Legal Protection against Domestic Violence: Enforces laws and provides resources to protect women from domestic abuse.
·STEM Encouragement Programs: Promotes the participation of women in science, technology, engineering, and mathematics fields.

Five Points on Women Empowerment

Women's empowerment involves increasing their power and control in all spheres of life. It's achieved through education, economic independence, legal rights, political representation, and social equality.

Seven Principles of Women Empowerment

The principles include establishing high-level corporate leadership for gender equality, treating all genders fairly at work, ensuring health, safety, and well-being, promoting education, training, and professional development, implementing enterprise development, supply chain, and marketing practices that empower women, advocating for gender equality through community initiatives, and measuring and publicly reporting on progress to achieve gender equality.

How Can Women Be Empowered?

Empowering women requires multi-faceted approaches: providing equal education opportunities, promoting economic independence through employment and entrepreneurship, ensuring legal rights, fostering an environment of non-discrimination, and encouraging women's participation in decision-making at all levels.

implementing women empowerment policies yields significant economic benefits. These policies not only enhance workforce diversity and innovation but also lead to a more equitable and productive society. By investing in women's education, health, and leadership, we unlock a vast potential that drives economic growth, fosters a balanced workforce, and ensures a sustainable future for all.

ARTICLES BY FACULTY MEMBERS

Wearable Technology and Its Health Applications

Mrs. A. Gomathy
Assistant Professor
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HICET

Wearable Technology and Its Health Applications

In the modern world, where technology and health intersect more than ever, wearable technology has emerged as a pivotal player. This article delves into the realm of wearable technology and its health applications, offering insights into how these innovations are reshaping our approach to personal wellness and healthcare.

Understanding Wearable Technology

Wearable technology encompasses electronic devices that can be comfortably worn on the body. These gadgets are designed to collect data about the user's health and exercise habits, offering real-time insights into various physiological metrics. From smartwatches to fitness bands, and even advanced clothing embedded with sensors, wearable technology is revolutionizing how we interact with health data.

Health Applications of Wearable Technology

1. **Fitness Tracking:**
   - **oOverview: The most common application is fitness tracking, where devices monitor physical activity, steps taken, calories burned, and workout intensity.**
   - **oImpact: This data helps users set and achieve fitness goals, fostering a more active lifestyle.**

2. **Heart Rate Monitoring:**
   - **oOverview: Many wearables come equipped with heart rate sensors, providing continuous heart rate data.**
   - **oImpact: This is crucial for detecting heart-related health issues early and maintaining cardiovascular health.**

3. **Sleep Monitoring:**
   - **oOverview: Wearables can track sleep patterns, including the duration and quality of sleep.**
   - **oImpact: This data is vital for understanding and improving sleep habits, which is essential for overall health.**

4. **Stress Management:**
   - **oOverview: Some devices offer stress level monitoring through various metrics like heart rate variability.**

- oImpact: This helps in managing stress more effectively, promoting mental wellbeing.

Advancements in Wearable Health Technology

The field of wearable health technology has seen remarkable advancements in recent years, significantly enhancing how individuals monitor and manage their health. Below are key steps highlighting these advancements:

- ·Smart Fabrics and Interactive Textiles:
- ·Enhanced Biometric Monitoring
- ·Incorporation of AI and Machine Learning
- ·Longer Battery Life and Improved Energy Efficiency
- ·Integration with Telehealth and Remote Monitoring
- ·Enhanced User Interface and Customization
- ·Expansion in Health Ecosystem Connectivity
- ·Development of Non-Invasive Monitoring Techniques
- ·Inclusion of Mental Health Monitoring
- ·Custom Health Reports and Analysis

Choosing the Right Wearable Technology

When selecting a wearable device, consider the following:

- ·Accuracy: Look for devices known for their precision and reliability.
- ·Comfort and Style: Choose a device that suits your comfort level and personal style.
- ·Battery Life: Opt for devices with longer battery life for uninterrupted health tracking.
- ·Compatibility: Ensure the device is compatible with your smartphone or other digital devices.

Tips for Maximizing Benefits from Wearable Technology

- ·Consistent Usage: Wear the device consistently to collect comprehensive health data.
- ·Set Personal Goals: Use the data to set and track personalized health goals.
- ·Integrate with Lifestyle: Make the wearable a part of your daily routine for holistic health monitoring.
- ·Stay Informed: Keep abreast of the latest updates and features of your device to maximize its potential.

What are the applications of wearable devices in healthcare?

Wearable devices in healthcare track vital signs, monitor chronic

conditions, support rehabilitation, aid in early disease detection, and offer remote patient monitoring capabilities.

What are 3 health benefits of wearable technology for patients with health conditions?

Wearable technology offers real-time health data, improves disease management, and enhances patient engagement and compliance in treatment plans for chronic condition management.

How wearable technology is used in health and safety?

Wearable technology in health and safety includes monitoring work-related risks, alerting to hazardous conditions, and ensuring compliance with health and safety protocols.

Wearable technology and its health applications are transforming the landscape of personal health and fitness. By providing valuable data and insights, these devices empower individuals to take charge of their health. As technology continues to evolve, the potential for wearable technology in healthcare is boundless, offering a promising future for personalized health monitoring and management.

Electric and Autonomous Vehicles

The Future of Electric and Autonomous Vehicles

In the realm of transportation, the future is unfolding at an unprecedented pace, and at the heart of this evolution are electric and autonomous vehicles (EVs and AVs). This article delves into the transformative journey of these vehicles, offering insights into how they will reshape our commutes, cities, and carbon footprint.

Understanding Electric and Autonomous Vehicles

Electric Vehicles (EVs): EVs are vehicles powered by electric motors, using energy stored in rechargeable batteries. They are known for their efficiency, reduced emissions, and lower operating costs compared to traditional internal combustion engine vehicles.

Autonomous Vehicles (AVs): AVs, or self-driving vehicles, use a combination of sensors, cameras, radar, and artificial intelligence to travel without human intervention. Their development aims at increasing safety, reducing traffic congestion, and providing new mobility options.

Technological Advances Driving the Change

The progression of EVs and AVs is underpinned by rapid technological advancements. Battery technology, for instance, is continually improving, offering longer ranges and shorter charging times for EVs. Simultaneously, advancements in AI, machine learning, and sensor technology are making AVs more reliable and safer for everyday use.

Environmental Impact and Sustainability

A significant advantage of EVs is their potential to reduce the environmental impact of transportation. By utilizing electricity, often generated from renewable sources, EVs emit far fewer greenhouse gases compared to conventional vehicles. Furthermore, as battery recycling and production become more efficient, their overall environmental footprint is set to decrease even further.

1. Reduced Greenhouse Gas Emissions: Electric vehicles (EVs) emit significantly fewer greenhouse gases compared to traditional vehicles, especially when charged with renewable energy sources, aiding in climate change mitigation.

2. Improved Air Quality: EVs contribute to cleaner air by eliminating tailpipe emissions, which are a major source of urban air pollution.

3. Energy Efficiency: Electric vehicles are more energy-efficient than conventional vehicles. They convert a higher percentage of electrical energy from the grid to power at the wheels.

4. Sustainable Battery Production and Recycling: Advances in battery technology include the 1.development of more sustainable production practices and recycling methods, reducing the ecological footprint of EVs.

5. Reduced Traffic Congestion: Autonomous vehicles can optimize driving patterns and reduce traffic congestion, leading to lower overall emissions from idling in traffic.

6. Smart City Integration: Autonomous and electric vehicles can be seamlessly integrated into smart city infrastructures, promoting more efficient transportation networks and energy usage.

7. **Noise Pollution Reduction:** Electric vehicles operate much more quietly than conventional vehicles, contributing to a reduction in noise pollution in urban environments.

8. **Promotion of Renewable Energy:** The growth of the EV market can drive the demand for renewable energy sources, further enhancing environmental sustainability.

9. **Lifecycle Emission Reduction:** The entire lifecycle of electric and autonomous vehicles, from manufacturing to disposal, is increasingly becoming more sustainable, further reducing their environmental impact.

10. **Innovation in Transportation Systems:** The combination of EVs and AVs fosters innovation in transportation systems, leading to more sustainable and environmentally friendly mobility solutions in the long term.

The Economic Perspective

Transitioning to EVs and AVs presents a promising economic opportunity. It can stimulate job creation in new sectors, such as EV charging infrastructure and autonomous technology development. However, it also poses challenges, such as the need for workforce retraining and the potential impact on industries tied to traditional automotive manufacturing.

Safety and Regulatory Considerations

Safety is paramount in the development of AVs. With the potential to significantly reduce accidents caused by human error, AVs could transform road safety. However, this necessitates rigorous testing and robust regulatory frameworks to ensure these vehicles can safely coexist with traditional vehicles.

Urban Planning and Social Implications

The rise of EVs and AVs will have profound implications for urban planning. Cities may need to rethink infrastructure, from road layouts to parking spaces. Moreover, AVs could greatly enhance mobility for elderly and disabled individuals, offering new independence and accessibility.

The Road Ahead

The journey towards a future dominated by EVs and AVs is not without its challenges. It requires considerable investment, both in

terms of infrastructure and technology. Additionally, public acceptance and trust in autonomous technology are crucial for widespread adoption.

What is the future potential of autonomous vehicles?

Autonomous vehicles promise enhanced road safety, reduced traffic congestion, and improved mobility for all, potentially revolutionizing personal and public transportation systems globally

What is the future of the electric vehicle industry?

The electric vehicle industry is poised for significant growth, driven by advancements in battery technology, increasing environmental awareness, and supportive government policies worldwide.

What are the future predictions for electric vehicles?

Electric vehicles are expected to dominate the automotive market, with predictions of increased range, affordability, and widespread adoption, leading to a substantial decrease in carbon emissions.

In conclusion, the future of electric and autonomous vehicles is not just promising but transformative. With advancements in technology, environmental benefits, and evolving societal needs, this sector is set to redefine transportation. Embracing these changes requires informed understanding and proactive adaptation, ensuring a sustainable, efficient, and safer future for all. This guide aims to equip readers with the knowledge and insights to navigate this exciting era.

Healthy Eating

Healthy eating is not just a diet, it's a lifestyle. It involves choosing foods that are beneficial to our body and mind, and understanding the impact of nutrition on our overall well-being. This comprehensive guide aims to explore the various aspects of healthy eating, offering practical advice, and debunking common myths.

What is Healthy Eating?

Healthy eating means consuming a variety of foods that give you the nutrients you need to maintain your health, feel good, and have energy. These nutrients include protein, carbohydrates, fat, water, vitamins, and minerals. It's about balance, variety, and moderation.

The Benefits of Healthy Eating

1. Weight Management: Maintaining a healthy diet helps in weight control, reducing the risk of obesity.

2. Improved Mental Health: Nutrients affect brain function. Eating healthily can improve mood and mental clarity.

3. Disease Prevention: A balanced diet reduces the risk of chronic diseases like heart disease, diabetes, and cancer.

4. Better Digestive Health: Foods rich in fiber promote a healthy digestive system.

5. Increased Energy Levels: Balanced meals ensure a steady supply of energy throughout the day.

Building a Healthy and Balanced Diet

Building a healthy and balanced diet is crucial for students, especially those in the United States, who face unique dietary challenges and opportunities. A balanced diet provides the essential nutrients needed for growth, development, and academic performance, while also reducing the risk of chronic diseases. This article aims to guide students on how to construct a healthy diet that aligns with their active and often demanding lifestyles.

Understanding Nutritional Needs

1. Macronutrients: These are the nutrients needed in larger amounts and include carbohydrates, proteins, and fats.

- **Carbohydrates: Focus on whole grains like brown rice, whole wheat, oats, and quinoa. These provide sustained energy and are rich in fiber.**
- **Proteins: Essential for muscle repair and growth. Include lean meats, poultry, fish, beans, lentils, tofu, and low-fat dairy products.**
- **Fats: Opt for healthy fats found in avocados, nuts, seeds, olive oil, and fatty fish like salmon.**

2. **Micronutrients: Vitamins and minerals are vital for immune function, bone health, and more. Eat a variety of fruits and vegetables to cover these needs. Dark leafy greens, berries, citrus fruits, and carrots are excellent choices.**

3. **Hydration: Proper hydration is essential. Aim for 8-10 glasses of water per day, more if you're physically active.**

Building Your Plate

The USDA's MyPlate is a useful guide:

- **Half your plate should be fruits and vegetables.**
- **A quarter should be proteins.**
- **A quarter should be whole grains.**
- **Include a serving of dairy or a dairy alternative.**

Snacking Smart

Healthy snacking is important. Options like yogurt, fruit, nuts, or whole-grain crackers can be both satisfying and nutritious.

Special Dietary Considerations

- **·Vegetarian or Vegan Diets: Ensure adequate protein intake from plant sources and consider vitamin B12 supplements.**

Micronutrients

1. **Vitamins: Essential for various body functions. Fruits and vegetables are rich sources.**
2. **Minerals: Important for bone health, and regulating body processes. Found in a variety of foods including meat, cereals, and dairy.**

Water

Staying hydrated is crucial. Water aids digestion, absorption, circulation, and even excretion.

Myths and Facts

- **Myth: Carbs are bad for you.**
- **Fact: The body needs carbohydrates for energy. The key is to choose complex carbs like whole grains.**
- **Myth: Fat makes you fat.**

- **Fact: Healthy fats are essential. The type of fat and the quantity consumed is what matters.**
- **·Myth: You need to eat meat for protein.**
- **oFact: Plant-based proteins can provide enough protein even for athletes.**

Department Related Information

1. Webinar on "Power of Youth"

One day webinar on "Power of Youth" was conducted on 12th of January 2024. It was inaugurated by Dr. S. Shankar, Head of the Department. To provide opportunities to youth for self-development and character building and also for imbibing quality of leadership, mutual tolerance and fellow feeling.

A party of around 98 students from CSE department have benefited through this program. It was handled by Mr Kausik Agastyaraj ACE Engineering Academy

2. Seminar on "Opportunities After Engineering Through Gate"

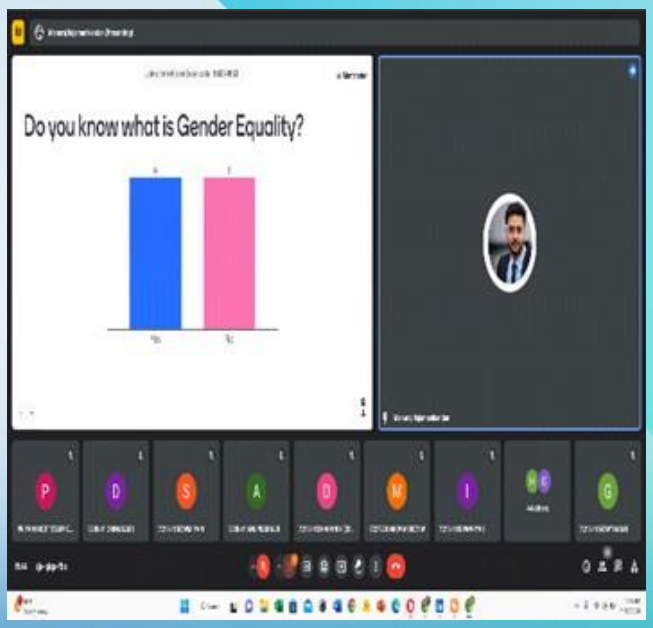
One day Seminar on "Opportunities After Engineering Through Gate" was conducted on 28th of January 2024. It was inaugurated by Dr. S. Shankar, Head of the Department.

The GATE exam provides access to elite Master's and PhD programs, as well as other higher education options. It also provides opportunities for technical jobs in public sector undertakings (PSUs) and improves job chances in the public and private sectors, particularly in engineering, technology, and research.

A party of around 180 students from CSE department have benefited through this program. It was handled by Mr.M.Ramesh, Sr.Faculty at ACE, Osmania University Alumnus

3. Webinar on "Gender Equity"

Webinar on "Gender Equity" was conducted on 11th of May 2024. It was inaugurated by Dr. S. Shankar, Head of the Department.



The overall objective of gender equality is a society in which women and men enjoy the same opportunities, rights and obligations in all spheres of life.

A party of around 87 students from CSE department have benefited through this program. It was handled by Manuraj rajamanikandan Senior Consultant Cognizant

4. Seminar on "LANGUAGE MODELS IN PYTHON"

Seminar on "LANGUAGE MODELS IN PYTHON" was conducted on 28th of February 2024. It was inaugurated by Dr. S. Shankar, Head of the Department.

Language modeling is the process of training models to predict the probability of a sequence of words occurring. The probability is then used to glean meaning and context in the case of natural language

understanding (NLU) and generate grammatically correct text in natural language generation (NLG)

A party of around 226 students from CSE department have benefited through this program. It was handled by Mr GOBINATH ARMUGAM, Head- Training & Delivery, Xploreitcorp

5. Seminar on "Overseas Education- Study abroad"

One day Seminar on "Overseas Education- Study abroad" was conducted on 4th of April 2024.

Engage more of our students in international opportunities abroad to enhance their personal growth, educational experience, and professional . Academic and Intellectual Enrichment · Personal Growth and Development. Study abroad should encourage students Gain a deeper knowledge and understanding of other cultures and their environments It was inaugurated by Dr. S. Shankar, Head of the Department.

A party of around 80 students from CSE department have benefited through this program. It was handled by Balakumar Founder and CEO of KS consultancy

Awards and Recognition of Staffs and Students

S. No.	NAME OF THE STUDENT	NAME OF THE EVENT	ORGANIZED BY	PRIZE/ AWARD WON
1.	Harshith Babu	National Cadet Corps	NCC	AWARD of MEDALLION
2.	Harshith Babu	2Tamilnadu AIR SQN NCC	Annual NCC Republic Day Camp	F/C
3.	Francleena C J	Tech Magnetz 2024	Hindusthan institute of technology	II Position
4.	Dinakar S	Knock-it '24	Sri Ramakrishna Mission Vidhyalaya College Of arts and science	1st position

Participation of Faculty members in events outside college

S. No	FACULTY NAME	NAME OF CONFERENCE / SEMINAR / WORKSHOP / FDP/STTP	DURATION	HOSTING COLLEGE / INSTITUTION
1	Dr. Priya A	NEP 2020 Orientation & Sensitization Programme	01.02.2024 to 10.02.2024.	UGC-Malaviya Mission Teacher Training Centre (UGC-MMTTC), Gandhigram Rural Institute - DTBU, Gandhigram, Dindigul,
2	M.Amuthavalli	One week fdp on microsoft Azure AI Engineer Associate	19/02/2024 to 23/2/2024	ICT Academy
3	Mr.T.K.P.RAJAGOPAL	4th International Conference on Artificial Intelligence, 5G Communications and Network Technologies (ICA5NT 2024)	21 & 22, March 2024.	Velammal Institute of Technology, Chennai
4	Subramanium Dhanabal	5th international conference on innovative trends in information technology (ICITIIT24)	15 & 16, March 2024.	Indian Institute of Information Technology, Kottayyam, Kerala

Sports activities

COIMBATORE INSTITUTE OF TECHNOLOGY
(An Autonomous Institution Affiliated to Anna University)

DR. S. R. K. PRASAD MEMORIAL ALUMNI TROPHY 2024

CERTIFICATE OF MERIT

This is to certify that SARANYA. K register number _____ branch _____ of HINDUSTHAN EDUCATIONAL INSTITUTIONS participated in the event CHESS as a team/individual and secured 3rd place in " Dr. S. R. K. Prasad Memorial Alumni Trophy 2024" held at Coimbatore Institute of Technology from _____ to 24.03.2024 .

Sports activities

First prize in volley ball tournament held at Coimbatore institute of technology on 24.03.24.

First prize in volley ball tournament held at Park college of engineering on 10.04.24.

EDITORIAL BOARD

2023 – 2024 (EVEN)

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DESIGN

K V DHIRAAJ III year
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