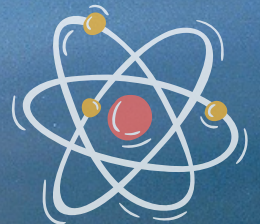


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Where talent meets opportunity
SRI SATYA SAI UNIVERSITY
OF TECHNOLOGY AND MEDICAL SCIENCES

Guided By :

डॉ. मुकेश तिवारी,

प्रोफेसर, वीसी

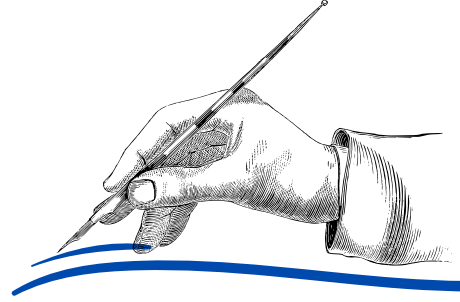
श्री सत्य साई यूनिवर्सिटी ऑफ़ टेक्नोलॉजी एंड मेडिकल साइंसेज

सीहोर, (मप्र)

Prepared By :

डॉ. अजय कुमार चौबे,

एसोसिएट प्रोफेसर



Activities , पेज 1-3



Article, पेज 4-10



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स्टूडेंट्स, फैकल्टी या यूनिवर्सिटी से जुड़े सभी, अपनी रचना, शोध, करियर, स्टार्टअप या एजुकेशन से जुड़े लेख को शेयर करने के लिए, नीचे दिए ईमेल पर संपर्क करे -



info@sssutms.co.in

Activity

Merathan Seminar - NOT OUT@100



SSSUTMS University's faculty members and students actively participated in the continuous 100-hour '**Man Ki Baat Program,**' contributing to the establishment of a global record for listening to Man Ki Baat. All students and faculty members of the University took part in this initiative. Moreover, the University's faculty members also presented their insights during the program. This event took place at Ravindra Bhavan, Bhopal, from August 23rd to 27th, 2023.

Activity

Merathan Seminar - NOT OUT@100



Research Activity

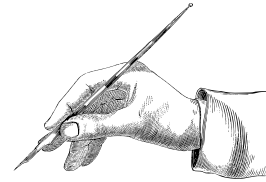


The faculty members of the university are consistently participating in research activities, and as a result of these efforts, a **patent application has been accepted by the Indian Patent Office (IPI).**

This patent is based on the '**Waste to Worth**' domain, which draws inspiration from the '**Swachh Bharat**' (Clean India) initiative. The benefit of this innovation is that it enables the conversion of various types of household waste into solid usable products, thereby contributing to a cleaner environment. Additionally, it has the potential to transform the traditional dustbin into an intelligent and efficient device.



Mr. Umesh Rohit,
EC Department,



Electrical Vehicles: A Bright Path towards a Sustainable Future

In the modern era, the rapid advancements in science and technology have bestowed upon us various conveniences. Among these, one notable development is the increasing popularity of electric vehicles (EVs). Due to their widespread promotion and significant advantages, electric vehicles have become a major step towards shaping the future of transportation. In this article, we will delve into the topic of electric vehicles, exploring their different types, benefits, and the positive impact they have on the environment and society.

Types of Electric Vehicles:

Electric vehicles are those vehicles that utilize electric motors powered by electricity instead of internal combustion engines. They can be categorized into various types, but the most prominent ones are:

Electric Cars: Electric cars are the most popular among electric vehicles. They operate on electricity and do not produce any tailpipe emissions, making them environmentally friendly alternatives to traditional gasoline and diesel-powered cars.



Electric Scooters: Electric scooters have gained popularity in urban areas, serving as a practical means of transportation for short distances. They also contribute to reducing pollution due to their emission-free operation.

Electric Buses: Electric buses have revolutionized public transportation. These buses are powered by electricity and offer an eco-friendly solution to urban commuting, significantly reducing air pollution in crowded cities.

Benefits of Electric Vehicles: Environmental Friendly: One of the primary advantages of electric vehicles is their lower carbon footprint compared to conventional vehicles. By producing zero tailpipe emissions, they play a vital role in curbing air pollution and reducing greenhouse gas emissions.



Encouragement for Research and Development: The increasing use of electric vehicles has driven significant research and development in the automotive industry. This has led to the innovation of new and improved technologies, making EVs even more efficient and sustainable.

Energy Efficiency: Electric vehicles are more energy-efficient than internal combustion engine vehicles. This translates to better utilization of energy resources and a reduced overall demand for fossil fuels.

Job Creation: The rise of electric vehicles has also created employment opportunities in various sectors, including manufacturing, charging infrastructure development, and research, thus contributing to economic growth.

Conclusions:

Electric vehicles represent a shining beacon of technological progress that can pave the way for a cleaner and greener future. By significantly reducing air pollution and minimizing our dependence on fossil fuels, electric vehicles offer a sustainable solution to the environmental challenges we face today. As their usage continues to expand, electric vehicles hold the potential to become an integral and environmentally friendly aspect of our society's journey towards sustainable development. Governments, industries, and individuals must collectively embrace electric vehicles to steer our world towards a brighter and more sustainable tomorrow.





The Role and Impact of Antibiotic Medicines



Mr. Pradeep Kumar Patra
Associate Professor,
Department of Pharmacy



Antibiotic medicines, often hailed as medical marvels, have revolutionized healthcare by combatting bacterial infections that once posed grave threats to human health. These drugs, which originated from natural sources or were synthesized in laboratories, have played an indispensable role in saving countless lives.

Antibiotics work by targeting bacteria, either by directly killing them or inhibiting their growth. This mechanism has been pivotal in treating a wide range of infections, from minor skin infections to life-threatening conditions like pneumonia and sepsis. However, the indiscriminate and excessive use of antibiotics has led to the rise of antibiotic-resistant bacteria, a global concern that threatens the efficacy of these vital drugs.

The importance of **judicious antibiotic** use cannot be overstated. Antibiotics should be prescribed only when necessary and in the appropriate dosage. Taking antibiotics unnecessarily, such as for viral infections like the common cold, not only proves ineffective but also contributes to the development of drug-resistant bacteria. It's essential for healthcare providers and patients alike to recognize that antibiotics are not a panacea for all ailments.

Antibiotic resistance occurs when bacteria evolve and adapt, rendering antibiotics ineffective against them. This phenomenon emerges due to factors such as incomplete courses of antibiotics, overuse, and suboptimal hygiene practices. The proliferation of resistant bacteria is alarming as it limits our ability to treat infections effectively. Thus, responsible antibiotic use is paramount to preserve the efficacy of these medications for both current and future generations.

To combat antibiotic resistance, a multipronged approach is crucial. Healthcare professionals must prescribe antibiotics prudently, emphasizing accurate diagnosis and targeted treatment. Patients should adhere to prescribed dosages and complete the entire course, even if symptoms subside earlier. Public awareness campaigns can educate individuals about the risks of antibiotic misuse and the importance of preventing infections through hygiene and vaccination.

In conclusion, antibiotic medicines have been a cornerstone of modern medicine, transforming our ability to treat bacterial infections. Yet, the rise of antibiotic resistance poses a significant challenge that requires collective action. By using antibiotics responsibly, healthcare providers and individuals can ensure that these life-saving medications remain effective weapons in our ongoing battle against infectious diseases.

The Significance of Ayurveda in the Modern Era



Dr. BHUMIKA SAXENA
Assistant Professor
School of Ayurveda and
Siddha studies



In the fast-paced and stressful lives of the modern era, the **importance of Ayurveda** has grown immensely. Ayurveda, an ancient Indian system of medicine, not only focuses on physical health but also on mental and spiritual well-being, offering a holistic approach to wellness.



The term "**Ayurveda**" derived from two words namely "**ayur**" means life and "**veda**" means knowledge. This medical system advocates the use of natural and herbal remedies to maintain health with a holistic approach.

In Ayurveda, various diagnostic methods and personalized treatments are employed based on an individual's body constitution and nature of ailments. It emphasizes the importance of a balanced lifestyle, including proper diet, exercise, meditation, and natural remedies, to enhance the body's natural resistance against diseases.

Unlike the contemporary practices **Ayurveda aims** to treat the root causes of diseases rather than just alleviating symptoms. This approach not only promotes a deeper level of healing but also reduces the risk of harmful side effects.



In the current era, where the overuse of antibiotics and the prevalence of drug-resistant infections are growing concerns, Ayurveda offers an alternative path. It emphasizes on building the immunity of an individual, hence providing a sustainable way to maintain health and prevent diseases. This is especially important in the face of various environmental challenges and lifestyle-related health issues that are on the rise.

Ayurveda has gained renewed attention due to its ability to provide a comprehensive solution to the modern health challenges. It encourages individuals to understand their PRAKRITI (individual body type), and adopt healthier habits accordingly, By integrating Ayurveda principles into our lives, we can strike a balance between our physical, mental, and spiritual dimensions, and experience a higher quality of life.

In conclusion, Ayurveda's relevance in the current era cannot be overstated. As we navigate the complexities of modern living, embracing Ayurveda's holistic wisdom can guide us towards a harmonious and healthier existence. Its emphasis on natural remedies, personalized treatments, and holistic well-being make it an invaluable asset for achieving wellness in the contemporary world.



**Sri Satya Sai University of
Technology and Medical
Sciences, IIC (Institution's
Innovation Council)
organising poster
competition for university
students.**



Institute Innovation Cell

**Sri Satya Sai University of Technology and
Medical Sciences, Sehore**

Idea Competition

**Poster are invited from aspiring
students having novel and
commercially viable ideas to
establish their idea / project / unit
in the IIC, SSSUTMS.**



Eligibility

Individual student/student team of SSSUTMS

Prizes & Certification

- **Top 3 Winners got Winner Certificate + Cash Prizes Rs. 1,000/-, Rs.700/-, & Rs. 500/- .**
- **All Participants will facilitates by Certificates.**

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जरूरी - इस पुस्तिका में सभी लेख और तथ्य, कई सामग्रियों के अध्ययन के बाद लिए गए हैं, साथ ही ये लेखक की अपनी सोच है, पाठक इस पर अपनी राय अपने विवेक से लें . - **धन्यवाद**

