

KATHAN

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ज्ञानम् यजामहे।

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Ankleshwar Rotary Education Society

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4th sem



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4th sem



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4th sem



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CT
4th sem



WINSTINCT- 2023

UPL University of Sustainable Technology celebrated sports days (**WINSTINCT-2023**) on 9th, 10th and 11th of March, 2022. The inauguration of the WINSTINCT-2023 was presided by honourable Chancellor of UPL University of Sustainable Technology Mrs. Sandra R. Shroff along with the presence of President Mr. Ashok Panjwani, Provost, Dean (Science and Sustainability), Dean (Engineering and COE), HOD's from other departments, teaching/non-teaching staff and students.

Sixteen sport events of sprint-100 metre, 400 metre relay, shot put ball, disc throw, table tennis, badminton, basketball, cricket, volleyball, carom, box cricket (for girls), chess, tug-of-war, football, long jump and Kabbadi were incorporated in this WINSTINCT 2023.



WINSTINCT- 2023

Every year UPL University of Sustainable Technology celebrates WINSTINCT in order to improve the sportsman spirit, mental strength and personality of every student and staff members. Another more important part of this event is to find out the best player from this University who may also participate in national or international level sports.



SUSTAINABLE STARTUPS FOR WOMEN – A GUIDANCE SEMINAR

With an aim of nurturing women with entrepreneurship ambitions and developing the skills and perspectives that will help them set up and run a sustainable start-up, a guidance seminar was organized. Mrs. Kalpana Jain (Founder and Director of Zeel Nrootyaniketan Academy) and Mrs. Rashmi Joshi (Founder of First Lady Salon and Founder of NGO - The Women's welfare Trust) shared their experiences and interacted with students explaining to them about the passion and purpose that drive businesses. They emphasized on the how passion and perseverance can make a business, a sustained one. The program was organized by the SSIP cell of UPL University of Sustainable Technology under the banner of G20 on the occasion of International Women's Day.



INTERNATIONAL CONVENTION ON COLORANTS-2023

The 9th International Convention on Colorants (COC-23) was held on 2nd and 3rd March 2023 at The Club, Andheri, Mumbai. This biennial event was organized jointly by Department of Specialty Chemicals Technology (formerly Department of Dyestuff Technology), Institute of Chemical Technology and The Dyes & Pigments Manufacturers Association of India (formerly The Dyestuff Manufacturers Association of India). The convention was a platform for discussing the current status and future trends in the colorants field.



INTERNATIONAL CONVENTION ON COLORANTS-2023



Adhering to the legacy of the earlier editions, COC-23 tried to address the issues related to the colorant industry by bringing some world experts as speakers. More particularly, safety aspects, the aspects of process intensification in colorants industry, sustainability, newer developments in the functional colorants, surfactants for colorants, colorants from renewables, effluent control etc. were the focus areas. The inauguration of the event was graced by the presence of Shri Rajubhai Shroff, Chairman, UPL Ltd. as a keynote speaker and Mrs. Sandra Shroff.

INTERNATIONAL CONVENTION ON COLORANTS-2023

About 200 delegates (India, UK, France and Japan) attended this convention thereby creating a very good opportunity to make new contacts and renew old ones. This convention was immensely beneficial to entrepreneurs, marketing and manufacturing professionals, R&D scientists and university researchers.

06 students from UPL University of Sustainable Technology from the 4th & 8th sem Dyes & Pigment Tech (CT) attended and participated in various activities of the convention.



The Poster presentation Session had been included, which offered a platform for students to present their work. Dyes & Pigment Tech (CT) students actively participated in poster presentation. They were guided by Dr. Nilesh Badgujar, Associate Professor & HoD, CT and Mr. Harshal Patil, Assistant Professor, CT department.

RANGOLI COMPETITION ON "G20 AND SDGS"

Under the AEGIS of G20, Azadi ka Amrit Mohostav (AKAM) & in association with IQAC, UPL University Of Sustainable Technology organized a RANGOLI competition on "G20 and SDGs" for all students on 17/3/23. All branches of engineering, diploma, B.Sc., M.Sc. students actively participated in the event. Beautifully designed RANGOLIs presented by the students were eye catching. Event was judged by Mr. Samik Bhatt, (Asst. Professor, DME), Ms. Divya Lad (Asst. Professor, EST) and Ms. Rupali Attarde (Asst. Professor, CO). Event has showcased student creativity, coordination and time management. Student coordinators perfectly organized the event and it was a grand success. Students got the platform to showcase their leadership quality and event management skill.

The prize winners are:

1st Prize - Shithal Singh, Janvi Gangvekar, Darshn Prajapati (CO, DE)

2nd Prize - Kaushal Mehta, Uday Makwana, Parth Patel (CT, BE)

3rd Prize- Anjali Yadav, Krutika Patel, Bhavya Chaudhari (EE, EST, BE)

RANGOLI COMPETITION ON "G20 AND SDGS"



Glimpse

Glimpse

PROUD MOMENT

Students from Master of Engineering (M.E) in Environmental Management (Batch 2020) have received recognition certificate for their final year project from Gujarat Cleaner Production Centre (GCPC) under the Project “Interlinking of Academician / Technical Expert /Industries/Government Organization on Practically Implementable Research Project on Cleaner Production/Cleaner Technology/Waste minimization/Pollution Prevention/Resource Efficiency”.



Certificate of Recognition
by **Gujarat Cleaner**
Production Centre (GCPC)
to **M.E Environmental**
Management students for
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Congratulations

STUDENT CORNER

The STRENGTH of a WOMAN..

The strength of a woman is carrying the burden of family without any expectation that someone will feel her pain or cry her tears.

The strength of a woman is the first on to wake up and the last to go to bed.

The strength of a woman is my mother, a woman who says she is okay when you can tell she is in pain. A woman who smiles when the going gets tough and a woman who finds laughter after crying .

The strength of a woman is courage and independence. The strength of a woman is doing whatever it takes to survive.

The strength of a woman is the backbone that holds everyone together.

Behind every strong man, there is a strong woman.

The strength of a woman is her unconditional love for her children and others. The strength of a woman is to be a peacemaker. The strength of a woman is having faith in God. The strength of a woman we will always know, because her strength will always show.

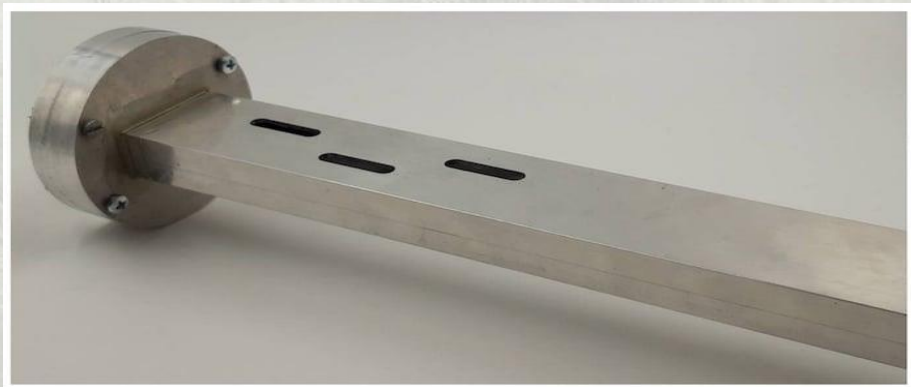
Ankit Singh
EST 5TH SEM

TECHNICAL ARTICLE

Slot Antennas—Old Tech for New Designs

Browsing the research literature gives the impression that the slot antenna is a recent innovation associated with the proliferation of compact, high-performance RF circuitry; however, slot antenna R&D actually began before World War II.

Slot antenna technology has long been associated with relatively high frequencies, but in the early days, “relatively high” could mean hundreds of megahertz, and antennas optimized for frequencies in that range were rather large. These types of antennas are more specifically known as slotted waveguide antennas (SWAs). As the 20th century continued, scientists and engineers gradually accumulated a large body of knowledge on the design, analysis, and implementation of slot antennas.



Aluminum prototype version of an SWA that is intended for use as a wearable made of conductive fabric.

TECHNICAL ARTICLE

Slot Antenna Key Characteristics

Slot antennas are common in high-frequency applications. Early SWAs were incorporated into radar systems operating at low microwave frequencies, and recent research involving slot antennas is exploring applications beyond 100 GHz.

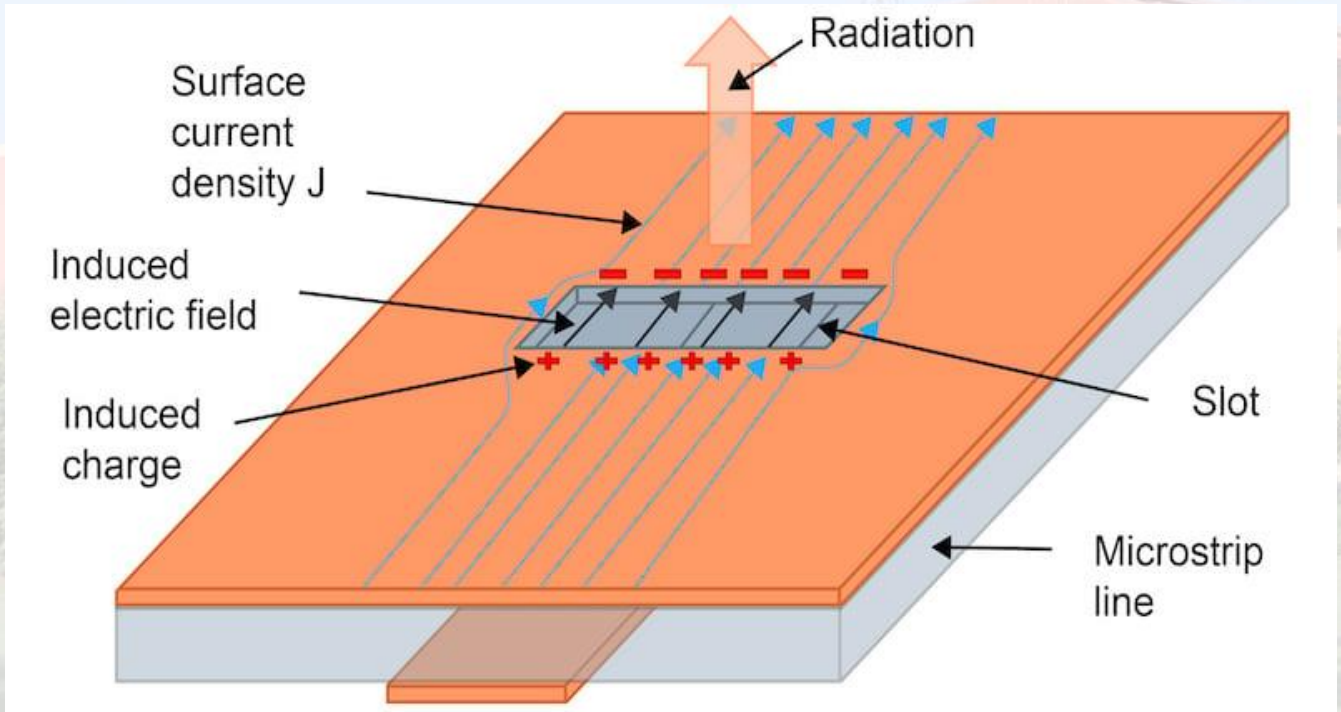
The performance of a slot antenna is dependent on various factors, such as geometry and whether the slot has a back-cavity. In general, though, slot antennas are attractive for advanced RF devices because they can typically offer:

- Wide bandwidth
- Good efficiency
- Versatility
- Low cost
- Ease of manufacturing
- Low-profile form factor

The Electromagnetic Behaviour of Slot Antennas

A theoretical, rudimentary slot antenna is simply a rectangular aperture in a conductive plane. If an RF (radio frequency) voltage signal is applied to opposite sides of the aperture, current will flow around the perimeter, and the structure will radiate.

TECHNICAL ARTICLE



Example slot antenna behaviour diagram.

In this case, the slot antenna is implemented as an aperture in a micro-strip transmission line. Note the orientation, where the slot, directly above and perpendicular to the micro-strip, is oriented so as to disrupt the current flow. This disruption leads to both capacitive and inductive effects, and when the geometry of the slot (relative to signal wavelength) favours inductive-capacitive resonance, the transmission line functions as an effective radiator.

Rishi Sotua
DEE 4th SEM-BE

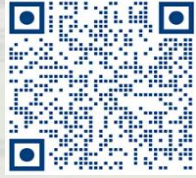


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