



GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY



Seminar on

**Recent trends in Microwave
Antenna and Technology**
Organized by ETC,GNIET

Venue: T2
Auditorium

Date
22/05/2023
Time
10.30 am

Prof. Sandip Buradkar
Co ordinator

Dr . Sushama Telrandhe
HOD,ETC,GNIET

Dr. Hemant Hajare
Principal,GNIET



Guru Nanak Educational Society's
**GURU NANAK INSTITUTE
OF ENGINEERING & TECHNOLOGY**
APPROVED BY AICTE, DTE & AFFILIATED TO RTM NAGPUR UNIVERSITY, NAGPUR
Dahegaon, Opp IOC Petrol pump, Kalmeshwar Road, Nagpur- 441501 Ph. 07118-661400
Website: www.gniet.ac.in E-mail: gnietnagpur@gmail.com



Session 2022-23

Department of Electronics and Telecommunication Engineering

Date:-21/05/2023

NOTICE

All the & Students of GNIET (ETC, CSE, EE) are hereby informed that the Department of Electronics and Telecommunication Engineering is organizing a one day Seminar on “**Recent Trends in Microwave Antenna and Technology**” on 22/05/2023 at 10.30 am at Sardar Avtar Singh Kohli Memorial Auditorium, T2 – Building GNIET.

So it is mandatory for all the students to present over there.

Dr. . Sushama Telrandhe
HOD,ETC,GNIET

Venue: Sardar Avtar Singh Kohli Memorial Auditorium, T2 – Building GNIET

Copy to (information):-

1. Hon. Chairman, GNES
2. Hon. Principal, GNIET
3. Vice. Principal, GNIET
4. All HOD’S in various Department of GNIET

Report on Seminar

‘Recent Trends in Microwave and Antenna Design Technology’

Date 22/05/2023

Objectives:

To discuss emerging trends and innovations in microwave and antenna design.

To examine the impact of recent technological advancements on microwave and antenna systems.

Under the patronage of GNES, Electronics & Telecommunication Department of Guru Nanak Institute of Engineering and Technology successfully organized seminar on **‘Recent Trends in Microwave and Antenna Design Technology’**

On May 22, 2023, an enlightening seminar on "Recent Trends in Microwave & Antenna Technology" was conducted by Mr. Krishapal Singh, Director of Anant Ultra Lab Limited, Ghaziabad. The event took place at the esteemed Sardar Avatar Singh Auditorium, GNIET, Nagpur. Dr. Hemant Hajare, Principal, GNIET, a renowned figure in the field, graced the occasion as the Guest of Honour, adding prestige to the seminar. During the event, Dr. Hajare felicitated Mr. K.P. Singh, acknowledging his contributions to the field.



Prof. Sonia Milmile delivering her introductory speech in seminar ‘Recent Trends in Microwave and Antenna Design Technology’ dated 22/5/2023 at GNIET

The seminar commenced with an insightful introductory speech by Prof. Sonia Milmile, setting the tone for the discussions ahead. Her words highlighted the importance and relevance of microwave antenna design in contemporary technological landscapes. Attendees were drawn into the intricate world of antenna engineering, poised to explore its depths.

As the seminar unfolded, participants delved into various aspects of microwave antenna design, guided by Mr. K.P. Singh's expertise. His wealth of knowledge and practical insights illuminated the complexities of antenna design, captivating the audience's attention.



Dr. Hajare felicitating Mr. K.P.Singhduring seminar‘Recent Trends in Microwave and Antenna Design Technology’ dated 22/5/2023 at GNIET

Dr. Hajare's presence further elevated the event, symbolizing the convergence of academia and industry in the pursuit of knowledge and innovation. His felicitation of Mr. K.P. Singh underscored the significance of industry-academia collaborations in advancing technological frontiers.

The seminar culminated with a heartfelt vote of thanks delivered by Prof. Sandip Buradkar, the coordinator of the event. His expressions of gratitude resonated with the collective appreciation of the attendees towards the organizers, speakers, and participants.

The successful organization of the seminar was made possible under the astute guidance of Dr. Hemant Hajare, Principal of GNIET, along with the unwavering support of Prof. Rajendra Bhombe, Vice Principal, Dr. Sushama Telrandhe, Head of the Department of Electronics and Telecommunication Engineering (ETC). and Prof. Sadaf Gauhar,HOD,ASH& Head IIC. Their leadership and vision paved the way for a seamless and enriching experience for all involved.

Outcomes of the Event:

The seminar on Microwave Antenna and Design proved to be a transformative experience for attendees, fostering an exchange of ideas and insights at the forefront of antenna engineering. Participants gained valuable knowledge about the intricacies of microwave antenna design, its applications, and evolving trends in the field.

Moreover, the event served as a platform for networking and collaboration, bridging the gap between academia and industry. The interactions and discussions facilitated fruitful connections, paving the way for future collaborations and research endeavors.

Overall, the seminar left a lasting impression on participants, igniting a renewed passion for innovation and discovery in the realm of microwave antenna design. It reaffirmed the importance of continuous learning and exploration in shaping the future of telecommunications and beyond.

Mr. Singh explained the importance of Microwave and Antenna Design in the in the field of Research & Development. This workshop was opportunity for students to know about advanced technology and tools used in the field of microwave, radar and Antenna Design.

During this seminar welcome speech was delivered by Prof. Sonia Milmile and Vote of thanks was given by Coordinator of program Prof. Sandip Buradkar .



Vote of thanks expressed by Prof. Sandip Buradkar during seminar ‘Recent Trends in Microwave and Antenna Design Technology’ dated 22/5/2023 at GNIET

This seminar was successfully organized under the support and guidance of Dr. Hemant Hajare, Principal, GNIET, Prof. Rajendra Bhombe, Vice Principle, GNIET, Dr. Sushma Telrandhe, HOD, ETC. Honorable Sardar Navneet Singh Tuli, Chairman , GNES, Honorable Sardarni Tanpreet Kaur Tuli, Secretary GNES appreciated efforts taken by the faculty of ETC , GNIET to organize this wonderful event.

Outcomes of Seminar

Recent trends in microwave antenna design technology have led to several notable outcomes:

Miniaturization: Antennas are becoming smaller while maintaining or even improving their performance. This trend is driven by the demand for compact devices in various applications such as wearable technology, IoT devices, and small satellite communication systems.

Multiband and Wideband Antennas: Antennas capable of operating over multiple frequency bands or with wide bandwidths are increasingly common. These antennas enable more flexible communication systems and support the growing number of wireless standards and frequency bands.

Metamaterial Antennas: Metamaterials are engineered materials with unique electromagnetic properties not found in naturally occurring materials. Antennas utilizing metamaterials can achieve improved performance, such as enhanced gain, bandwidth, and directivity, compared to traditional designs.

Beamforming and MIMO: Microwave antennas are increasingly incorporating beamforming and multiple-input multiple-output (MIMO) techniques to improve signal reception and transmission. These techniques enable better spatial utilization of the wireless channel, leading to increased data rates and improved system capacity.

Integration with RF Front-End: Antenna designs are being integrated more closely with the radio frequency (RF) front-end components, leading to compact and efficient communication systems. This integration enhances overall system performance and reduces power consumption.

Adaptive and Reconfigurable Antennas: Antennas with adaptive and reconfigurable characteristics are gaining popularity. These antennas can dynamically adjust their radiation properties in response to changing environmental conditions or communication requirements, improving system reliability and performance.

Overall, recent advancements in microwave antenna design technology have enabled the development of more efficient, compact, and versatile communication systems across various applications.

HOD,ETC



GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY



Workshop
on



Recent Trends in Microwave Antenna Technology

Organized by
Department of

- **Electronics and Telecommunication
Engg.**
-

Venue: T2
Auditorium

Date
22/08/2023
Time
10.30 am

Prof. Sandip Buradkar
Co Ordinator
ETC, GNIET

Prof. Soniya Milmile
Co Ordinator
ETC, GNIET

Dr. Sushama Telrandhe
HOD,ETC,GNIET

Prof. Rajendra Bhombe
Vice Principal
GNIET

Dr. Hemant Hajare
Principal
GNIET



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Department of Electronics and Telecommunication Engineering

Session 2023-24

Date:-21/08/2023

NOTICE

All the faculties & Students of GNIET (ETC, CSE, EE) are here by informed that the Department of Electronics and Telecommunication Engineering is organizing a one day workshop on “**Recent Trends in Microwave Antenna Technology**” on 22/08/2023 at 10.30 am at Sardar Avtar Singh Kohli Memorial Auditorium, T2 – Building GNIET.

So it is mandatory for all the students to present over there.

Dr. . Sushama Telrandhe
HOD,ETC,GNIET

Venue: Sardar Avtar Singh Kohli Memorial Auditorium, T2 – Building GNIET

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Website : www.gniet.ac.in E-mail : gnietnagpur@gmail.com



Report on workshop

‘Microwave Antenna Technology’

Dated:22/08/2023

Resource person :Mr. Krishapal Singh, Director of Anant Ultra Lab,Pvt.Ltd, Gaziabad

Objective: To study how microwave signals radiated into space

Under the patronage of GNES, Electronics & Telecommunication Department of Guru Nanak Institute of Engineering and Technology successfully organized on August 22, 2023, an enlightening workshop on "Microwave Antenna Technology" was conducted by Mr. Krishapal Singh, Director of Anant Ultra Lab,Pvt.Ltd, Ghaziabad. The event took place at the esteemed Sardar Avatar Singh Auditorium, GNIET, Nagpur. Dr. Hemant Hajare,Principal,GNIET, a renowned figure in the field, graced the occasion as the Guest of Honour, adding prestige to the workshop.



Prof. Sonia Milmile delivering introductory speech during seminar 'Microwave Antenna Technology' dated 22/08/2023 at GNIET

The seminar commenced with an insightful introductory speech by Prof. Sonia Milmile, setting the tone for the discussions ahead. Her words highlighted the importance and relevance of microwave antenna design in contemporary technological landscapes. Attendees were drawn into the intricate world of antenna engineering, poised to explore its depths.



Dr. Hajare felicitating Mr. K.P.Singh during seminar 'Microwave Antenna Technology' dated 22/08/2023 at GNIET

As the workshop unfolded, participants delved into various aspects of microwave antenna design, guided by Mr. K.P. Singh's expertise. His wealth of knowledge and practical insights illuminated the complexities of antenna design, captivating the audience's attention.

Dr. Hajare's presence further elevated the event, symbolizing the convergence of academia and industry in the pursuit of knowledge and innovation. His felicitation of Mr. K.P. Singh underscored the significance of industry-academia collaborations in advancing technological frontiers.



Dr. K.P. Singh during seminar' Microwave Antenna Technology' dated 22/08/2023 at GNIET

The workshop culminated with a heartfelt vote of thanks delivered by Prof. Sandip Buradkar, the coordinator of the event. His expressions of gratitude resonated with the collective appreciation of the attendees towards the organizers, speakers, and



participants.

during seminar' Microwave Antenna Technology' dated 22/08/2023 at GNIET



Mr. K.P.Singh explained Antenna operation during seminar' Microwave Antenna Technology' dated 22/08/2023 at GNIET

The successful organization of the workshop was made possible under the astute guidance of Dr. Hemant Hajare, Principal of GNIET, along with the unwavering support of Prof. Rajendra Bhombe, Vice Principal, Dr. Sushama Telrandhe, Head of the Department of Electronics and Telecommunication Engineering (ETC). and Prof. Sadaf Gauhar, HOD, ASH& Head IIC. Their leadership and vision paved the way for a seamless and enriching experience for all involved.

Workshop Outcome: Microwave Antenna and Design

Conducting a workshop on Microwave Antenna and Design presented a dynamic learning environment where participants actively engaged in hands-on exploration and practical application of concepts. Led by Mr. Krishapal Singh, Director of Anant Ultra Lab, Ghaziabad, and supported by industry experts, the workshop provided a platform for immersive learning and skill development.

Through interactive sessions and practical demonstrations, participants gained firsthand experience in designing and implementing microwave antennas. They learned to navigate the complexities of antenna design software, analyze performance metrics, and troubleshoot common challenges encountered in real-world scenarios.

The workshop fostered collaboration and knowledge sharing among participants, encouraging the exchange of ideas and best practices. Attendees had the opportunity to interact with industry professionals, gaining insights into emerging trends and technological advancements in the field.

Hands-on activities and case studies enhanced participants' problem-solving abilities and critical thinking skills, empowering them to tackle complex design challenges with confidence. The workshop also emphasized the importance of interdisciplinary collaboration, bridging the gap between theory and practice in antenna engineering.

Overall, the workshop on Microwave Antenna and Design was a resounding success, equipping participants with practical skills and insights essential for success in the dynamic field of telecommunications and beyond.



Vote of thanks given by Prof. Sandip Buradkar Mr. K.P.Singh during seminar' Microwave Antenna Technology' dated 22/08/2023 at GNIET

This workshop was successfully organized under the support and guidance of Dr. Hemant Hajare, Principal, GNIET, Prof. Rajendra Bhombe, Vice Principle, GNIET, Dr. Sushma Telrandhe, HOD, ETC.

Honorable Sardar Navneet Singh Tuli, Chairman , GNES, Honorable Sardarni Tanpreet Kaur Tuli, Secretary GNES appreciated efforts taken by the faculty of ETC , GNIET to organize this wonderful event.

HOD,GNIET



GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY



Seminar

on

**Restoration of ancient mural images
using image processing**

Organized by

Department of

- **Electronics and Telecommunication
Engg.**

In association with

Research and Development ,GNIET

**Venue: T2
Auditorium**

**Date
13/04/2023
Time
1.00 pm**



**Prof. Sandip Buradkar
Coordinator
ETC, GNIET**

**Prof. Sonia Milmile
Coordinator
ETC, GNIET**

**Dr. S. Telrandhe
Head
ETC, GNIET**

**Prof. Rajendra Bhombe
Vice Principal
GNIET**

**Dr. Hemant Hajare
Principal
GNIET**



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Website: www.gniet.ac.in E-mail: gnietnagpur@gmail.com



Department of Electronics and Telecommunication Engineering

Session 2022-23

Date:-11/04/2023

NOTICE

All the Students of GNIET (ETC, CSE, EE) are here by informed that the Department of Electronics and Telecommunication Engineering is organizing a one day seminar on "**Restoration of ancient mural images using image processing**" on 13/04/ 2023 at 1.00 p.m. at Sardar Avtar Singh Kohli Memorial Auditorium, T2 – Building GNIET.

So it is mandatory for all the students and staff to present over there.

Venue: Sardar Avtar Singh Kohli Memorial Auditorium, T2 – Building GNIET

Dr. Sushama Telrandhe
HOD,ETC

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3. Vice. Principal, GNIET
4. All HOD'S in various Department of GNIET

Report on Seminar

Restoration of Ancient Mural Images Using Image Processing

Dated: 13/04/23

Target audience : Students and Faculty of GNIET

Objective: The objective of the seminar on the "Restoration of Ancient Mural Images" is to explore and understand the techniques, challenges, and significance of restoring and preserving ancient mural images for cultural heritage conservation. Specifically, the seminar aims to:

Preservation Techniques: Examine the various methods and technologies used for the preservation of ancient mural images, including cleaning, consolidation, stabilization, and protective coatings, to ensure their long-term survival and prevent further deterioration

Historical and Cultural Context: Provide insights into the historical and cultural significance of ancient mural images, highlighting their artistic, religious, and social importance within different civilizations and periods of history.

Technical Expertise: Enhance participants' understanding of the specialized skills and expertise required for the restoration of ancient mural images, including art conservation, materials science, imaging techniques, and documentation methodologies.

Ethical Considerations: Discuss the ethical considerations and principles guiding the restoration and conservation of ancient mural images, such as authenticity, reversibility, and respect for cultural heritage values and traditions.

Collaborative Approaches: Explore collaborative approaches to mural image restoration involving multidisciplinary teams comprising art historians, conservators, scientists, archaeologists, and local communities, fostering knowledge exchange and capacity building.

Case Studies and Best Practices: Present case studies and examples of successful mural image restoration projects from around the world, highlighting best practices, innovative techniques, and lessons learned for future conservation efforts.

Public Awareness and Engagement: Raise public awareness about the importance of preserving ancient mural images as cultural heritage assets, promoting community involvement, and fostering a sense of ownership and stewardship.

Sustainable Conservation Strategies: Explore sustainable conservation strategies and initiatives aimed at safeguarding ancient mural images for future generations, including risk assessment, monitoring, and maintenance plans.

By achieving these objectives, the seminar aims to contribute to the conservation and appreciation of ancient mural images as valuable cultural heritage assets, fostering a deeper understanding of their historical, artistic, and societal significance while promoting best practices in their restoration and preservation.

The Department of Electronics and Telecommunication Engineering (ETC) at GNIET Nagpur organized a seminar on "Restoration of Ancient Mural Images Using Image Processing." The event took place on 13/04/2023 at the GNIET campus in Nagpur. Dr. Sushama Telrandhe, the Head of the ETC department, spearheaded the organization of the seminar, with Dr. Hemant Hajare, an esteemed expert in the field, serving as the Guest of Honor. The session was chaired by Prof. Rajendra Bhombe, the Vice Principal of GNIET.



Dr. Telrandhe felicitated by Prof. Kajol Dhawale on occasion of seminar ‘Restoration of Mural images ‘dated 13/04/2023 at GNIET,Nagpur

The seminar aimed to explore the intersection of technology and art, specifically focusing on the application of image processing techniques in the restoration of ancient mural images. With advancements in image processing algorithms and tools, researchers and professionals have been able to revive and preserve invaluable pieces of cultural heritage represented in ancient murals.

Dr. Sushama Telrandhe commenced the seminar by highlighting the significance of preserving cultural artifacts and the challenges faced in restoring ancient mural images. She emphasized the role of image processing in enhancing the visibility, clarity, and overall preservation of these historical artworks.

Dr. Hemant Hajare, in his address as the Guest of Honor, shared insights into the latest developments in image processing algorithms tailored for the restoration of ancient mural

images. He discussed various techniques, including noise reduction, contrast enhancement, and color restoration, employed in the restoration process.

The session chaired by Prof. Rajendra Bhombe provided a platform for participants to engage in discussions, share experiences, and exchange ideas on the application of image processing techniques in cultural preservation.

Outcomes:

Enhanced Understanding: Participants gained a deeper understanding of the challenges associated with the restoration of ancient mural images and the role of image processing techniques in addressing these challenges.

Awareness of Technological Solutions: The seminar raised awareness about the advanced image processing algorithms and tools available for restoring and preserving cultural heritage, sparking interest among researchers and enthusiasts alike.

Interdisciplinary Collaboration: The seminar facilitated interdisciplinary collaboration between experts in the fields of technology and art, encouraging synergistic efforts to develop innovative solutions for cultural preservation.

HOD,ETC



Academic Year-2022-2023

National Technology Day

Organized

By

**Department of Computer Science and Engineering,
GNIET, Nagpur.**

On

11 May 2023

Sr.No	Name of Competitions	Coordinator	Date	Venue
1	Project Competition	Prof. Shubhangi Ghadinkar	11-05-2023	EDC Lab
2	Technical Quiz	Prof. Ankita Shende		Auditorium
3	Coding Contest	Prof. Mayuri Shrungare		Computer Lab-1

Number of Participants Branch wise and College wise

Sr.No	Semester / Branch	Name of Institute	Number of Participants
1	CSE 4 th Sem.	GNIET, Nagpur	12
2	CSE 6 th Sem.	GNIET, Nagpur	18
3	CSE 8 th Sem.	GNIET, Nagpur	27
4	EE 8 th Sem	GNIET, Nagpur	15
5	ET 8 th Sem.	GNIET, Nagpur	13
		Total Participants	85



A
Report
On
National Technology Day
Celebration

Year- 2022-23

Date: 11 May 2023

Event Convener

Dr. Balram Timande
HOD (CSE)

Event Coordinator

Prof. Shubhangi Ghadinkar
Prof. Ankita Shende
Prof. Mayuri Shrungare



OBJECTIVES:

- The primary objective of National Technology Day is to promote scientific temper and inspire the younger generation to pursue careers in science, technology, and engineering fields. It serves as an occasion to raise awareness about the importance of technology in addressing societal challenges and fostering economic growth.
- Across the country, numerous events and activities like exhibitions, seminars, conferences, and lectures are organized on this day. These platforms facilitate the exchange of ideas, knowledge sharing, and discussions on emerging trends in technology among scientists, entrepreneurs, and Industry experts.

TARGET AUDIENCE:

All Engineering students from different branches.

PREREQUISITES / PARTICIPANTS ELIGIBILITY CRITERIA IF ANY:

All Engineering students from different branches are eligible.

ABOUT THE EVENT

National Technology Day is celebrated every year on May 11, to mark Indian technological advancement. The day, May 11, has been declared National Technology Day by the Government of India in order to memorialize the history of India's technological capability and expertise. The day holds importance of its own, since the first, indigenous aircraft "Hansa-3" was test flown from Bangalore on this day. This is regarded as one of the significant moments of Indian history. As India achieved a huge technological progression on this day, it is celebrated as National Technology Day. The Department of Computer Science and Engineering, GNIET Nagpur has celebrated "NATIONAL TECHNOLOGY DAY" on May 11, 2023 by organizing a Project Competition and Technical Quiz Competition among the students of different branches of Engineering of GNIET, Nagpur. The program was inaugurated by Dr. Hemant V. Hajare, Principal GNIET, Nagpur. He shared his views on technological advancement going on in India.



Prof. Rajendra Bhombe, Vice Principal, GNIET, Nagpur has motivated students and faculty members for research and innovation. Honorable Chairman GNES, Nagpur, Sardar Navneet Singh Tuli congratulates organizer for this wonderful event.

EVENT OUTCOMES:

- Students are able to communicate new emerging technology.
- Students are able to apply the technological concepts learnt to solve societal problems and to develop innovative solutions.
- Students are able to work effectively in multidisciplinary projects as an individual and as a team member.
- Students are able to present their ideas without ambiguity with employers, peers etc.
- Students are able to apply ethical principles and commit to professional ethics
- Students are able to "think outside the box" or from diverse perspectives by participating in quiz tournaments.
- Improving computing skills of students via coding competition.
- Participation in coding competition assists students' understanding of where they stand amongst their peers and the requirements of the competition help them understand few software engineering practices.

PROGRAM OUTCOME (POs) ATTAINMENT:

PO Mapping and Attainment of the Event (Rubrics: High=3; Medium=2;Low=1)

Name of Event	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12
Error Handling	√	√	√	√	√	√	-	√	√	√	√	√
	2	2	2	2	2	2	-	1	2	3	1	1
% Attainment	67%	67%	67%	67%	67%	67%	0%	33%	67%	100%	33%	33%



PO-1	Engineering knowledge	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
PO-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.
PO-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.
PO-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.
PO-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.
PO-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.
PO-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.
PO-8	Ethics	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO-9	Individual and teamwork	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO-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.
PO-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.
PO-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.



ATTENDANCE PROOF:

1.	AACHAL D. MESHRAM	<u>Ameshram</u>
2.	AMISHA ROSHAN RAMTEKE	<u>Amsale</u>
3.	ANAM M.AARIF SHEIKH	<u>Anam</u>
4.	ANJUM SHEIKH	
5.	ASHWINI VIJAY CHAUHAN	<u>Ashwini</u>
6.	DIVYANI P. PATURDE	<u>Paturde</u>
7.	DIVYANI SUJIT NITNAWARE	
8.	HRUTU SHISHSUPAL WALDE	<u>Hrutuwalde</u>
9.	ISHA MURLIDHAR GOTMARE	<u>Gotmare</u>
10.	JAYASHRI KISHORE PAHADE	<u>Pahade</u>
11.	JYOTI YOGESH BAWANE	
12.	KALLYANI ASHOK GEDEKAR	
13.	KETKI SANJAYRAO WASULE	<u>K.S.Wasule</u>
14.	MEGHANA DILIP BHUPAL	<u>Meghana</u>
15.	PAYAL PRABHU MANGATE	<u>P.Mangate</u>
16.	PIYUSHA SANTOSH KALE	<u>Ps.Kale</u>
17.	POOJA RAMESH ARODIYA	<u>PArodiya</u>
18.	PRANITA CHAKRADHAR PATIYE	
19.	REKHA RAMESH RAHANGDALE	<u>Rekha</u>
20.	ROJI TEJRAM WAGHMARE	<u>Rojiwaghmare</u>
21.	RUCHIKA KESHAV KANGALE	<u>Rkangale</u>
22.	RUTUJA R. YERANDE	<u>Rutuja</u>



	SANGHAPRIYA V. MOHOD	<i>Sanghat</i>
	SHIVANI UMESH SUKHADEVE	
	SIMMI BHAGWAN SINGH GILL	
26.	VARSHA GRDIHAR SAHU	<i>Vahy</i>
27.	ABHIJEET C. SUMAN	<i>(A) Suman</i>
28.	ABHIJIT SATISHRAO PURI	<i>Abiji</i>
29.	ADARSH BAPURAO SARDAR	<i>Adarsh</i>
30.	ADARSH AJAY SAWAIMUL	<i>Adarsh</i>
31.	ADITYA RAJESH NARKHEDE	<i>Aditya</i>
32.	AMAN MANJUNATH SHINDE	
33.	AMANSHU DILIP TAKLIKAR	
34.	ANSHUL SURESH MANWATKAR	<i>Anshul</i>
35.	ANURAG ANIL GANVEER	<i>Anurag</i>
36.	ANURAG ASHOK SHUKLA	<i>Anurag</i>
37.	ANURAG YOGENDRA SAWARKAR	
38.	ARYASH DILIP BHALERAO	<i>Aryash</i>
39.	DINESH PRAKASH JIBHKATE	<i>Dinesh</i>



40.	DIPAK PANJAB POLE	<i>DK</i>
41.	HARSH RAJENDRA TAKIT	<i>Harsh</i>
42.	HARSHAL BHAURAO GANVIR	
43.	HEMANT RAJENDRA SHIRBHATE	
44.	MANTHAN SHRIKANT SAKHARE	<i>MS</i>
45.	MANISH MOHANLAL UKEY	
46.	NEERAJ AJAY SHRIVASTAVA	<i>AB</i>
47.	NITESH B. KHOBRAGADE	
48.	OM SHRIKRUSHNA KOLHE	<i>AK</i>
49.	OMKESH S. MOWADE	<i>Mowade</i>
50.	PAWAN KAILASH MATLANE	<i>Matlane</i>
51.	PIYUSH YOGESH SAMUNDRE	<i>Piyush</i>
52.	PRAJWAL B. BALPANDE	<i>Prajwal</i>
53.	PRASHANT A. MISHRA	<i>Prashant</i>
54.	PRATHMESH P. JOSHI	<i>Prathmesh</i>
55.	RAHUL P. SHAMBHARKAR	<i>Rahul</i>



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	RAMESHWAR P. CHAVHAN	
	RITIK SHAMRAO DHARANE	
	ROHIT SANTOSH SHARMA	
50.	SAURABH SUDHAKAR PRANJALE	
61.	SHARDAPRASAD S. KAWALE	
62.	SHOBIT BHIMRAO SOMKUWAR	
63.	SHUBHAM S. NASARE	
64.	SIDDHANT GAJANAN PATLE	
65.	SOURABH ASHOK WAHANE	
66.	TUSHAR PRAKASH MESHRAM	
67.	UMESHWAR S. DEWASE	
68.	VAIBHAV KUMAR POHANKAR	
69.	VEDANT PADMAKAR KADWE	
70.	VAIBHAV UGE	
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1.	ACHAL ANANDRAO VIGHNE	
2.	ADITI SANTOSH SONULE	
3.	ASHWINI HARIDAS TARWARE	
4.	AYUSHI VINOD MESHARAM	
5.	BHAWANA VINOD IKHAR	
6.	DARSHANA SUBHASHRAO NASARE	
7.	DEEPALI TEJLAL MANE	
8.	DEVYANI CHNDRASHKAR DHOLE	
9.	GAYATRI GAJANAN GAWANDE	
10.	JAYASHRI HARICHANDRA KHOPE	
11.	JAYASHRI CHINDHUJI CHIKHALE	
12.	KARISHMA NIRMAL MANEKAR	
13.	KARISHMA WASUDEO GHONGE	
14.	KOMAL CHANDRASHEKAR HERODE	
15.	MAYURI TIKARAM SONKUSARE	
16.	MOHINI DHANRAJ PATIL	
17.	NISHA WASUDEO KARNAKE	
19.	PALLAVI MANOHAR SATAO	
20.	PALLAVI SILON MESHARAM	
21.	POURNIMA MORESHWAR KATWE	
22.	PRANALI VINAYAKRAO SAWWALAKHE	
23.	PRIYANKA DILIP MANMODE	
24.	PUNAM NANDO BUDHE	
25.	RESHMA SURESHRAO LAMSE	
26.	RUPALI RAMU HEDAU	
27.	SAKSHI SHALIKRAM SAWARKAR	
28.	SAMPADA RAVINDRA BHOSALE	



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29.	SEJAL GAUTAMRAO BHAGAT	
30.	SILKY SANTOSH PANDEY	
31.	TRUPTI DILIRAM CHOURAGADE	
32.	VAISHNAVI DILIP CHANNE	
33.	VAISHNAVI GAJANAN BHALERAO	
34.	VAISHNAVI RAMESH HIWASE	
35.	ABHISHEK PADMAKAR KSHIRSAGAR	
36.	ABHISHEK PRKASH NIKAM	
37.	ABHISHEK SUDAM SOLANKE	
38.	ADITYA DAYARAM WAGHMARE	
39.	ANIKET MADHUKAR THOTE	,
40.	ANUJ BHOJLAL THAKUR	
41.	ASHISHKUMAR WAMANRAO WAHANE	
42.	ASHWAJIT ARJUN CHAHANDE	
43.	ATHARVA PRAKASH WANKAR	
44.	ATHARVA SANJAYRAO DONDAL	
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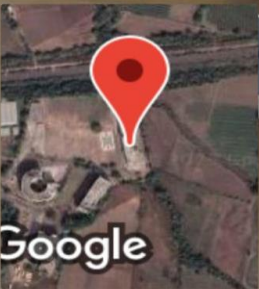


46.	HARSHAL RAJU PATIL	
47.	KARTIKEYA SINGH THAKUR	
48.	KRUNAL VINAYAK DEVTALE	
49.	KRUSHNA ARUNRAO GANJARE	
50.	LILADHAR TULARAM ITOLE	
51.	NIRBHAY DADADRAM BHOYAR	
52.	PRATEEK SADANAND BHELAVE	
53.	PRAVIN JUNGILAL UIKE	
54.	RAVINDRA RAMESH JAWARKAR	
55.	ROHIT RAMSING THAKRE	
56.	SAGAR PRABHAKAR NIMKAR	
57.	SAURABH ARUN RAMTEKE	
58.	SUVENDU DIPENDU SAHA	
59.	SWAPNIL PADMAKAR KANIRE	
60.	TARUN BALLURAM HINGWE	
61.	VAIBHAV DILIP ITANKAR	
62.	YUGAL NARAYAN RAUT	



Glimpses:









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Date:03/03/23

A Report on National Science Day 2023

Ever since 1987, our country has been celebrating the National Science Day on **28 th February** to commemorate the discovery of the 'Raman Effect' by one of the renowned Physicist of India- Sir CV Raman. This year, The theme for National Science Day, NSD 2023 is '**Global Science for Global Wellbeing**'. As a part of its enterprise to conduct a wide range of activities to sensitize the students on social, cultural and ethical issues, The **Institution's Innovation Council** had organized a Project Competition on the same topic. Students from various under graduate and post-graduate courses had participated enthusiastically in these events. As the final event of these celebrations, the IIC invited Dr. Hemant Hajare Principal GNIET and Dr. Shushma Telrande Dean (R&D) as the guest of honour in the Project Competition. The Convenor of the Competition-Prof..Sadaf Guahar President IIC delivered the opening remarks. He formally welcomed all the participants gathered for the celebration.It was inaugurated by Dr. Hemant Hajare Principal. Prof. S. Bhongade, Prof. Y. Chopkar, Prof. P. Kharwade and Prof. S. Somkuwar, Prof. P. Markand from Sciences and Humanities department, had addressed the gathering with their stimulating thoughts on Science & Technology. Prof. D. Lande spoke on the importance of National Science Day and the life and works of noble laureate Sir C V Raman. Prof.P.Kharwade reflected on how Science and Technology should walk hand in hand to solve the current societal problems. Prof.Sadaf Gauhar HoD ASH and President IIC had highlighted the importance of Materials science and the role of Atomic Energy in India. Prof. S. Bhongade highlighted on how the generation of new ideas is possible through the organization and celebration of such events. More than 60 participants from all over attended the Project

Competition program. Dr. Hemant Hajare gave a thought provoking speech on the application of Engineering Sciences. Several interesting facts regarding the applications of these Engineering Sciences wider functionalities were discussed . The speaker concluded by explaining the future research possibilities and also discussed about the various internship projects that students might undertake at BARC- Mumbai. Faculty members, research scholars, various under-graduate and post-graduate students were not only benefitted but also highly overwhelmed by the speech. After the talk, an interactive session was held where the guest had patiently attended and answered each and every question. At the end of it,the results of Project competitions and presentation were announced by Prof.Sadaf Gauhar.The higher authority congratulated all the prize-winners. Finally, Prof. Pranjali Markand ASH delivered the vote of thanks.



GURU NANAK INSTITUTIONS

Dahegaon, Kalmeshwar Road, Nagpur



GNIET

GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY



INSTITUTION'S
INNOVATION COUNCIL
(Ministry of HRD Initiative)



Ministry of Education's
INNOVATION CELL
(GOVERNMENT OF INDIA)

Institution's Innovation Council (IIC)

(Established under aegis of MHRD'S Innovation Cell, Govt. Of India)

of

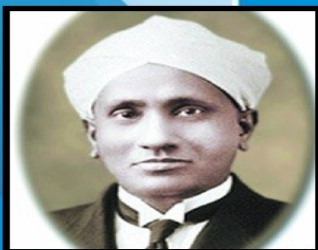
GNIET

• Organizes •

Project Competition
on

NATIONAL SCIENCE DAY

28th FEBRUARY 2023

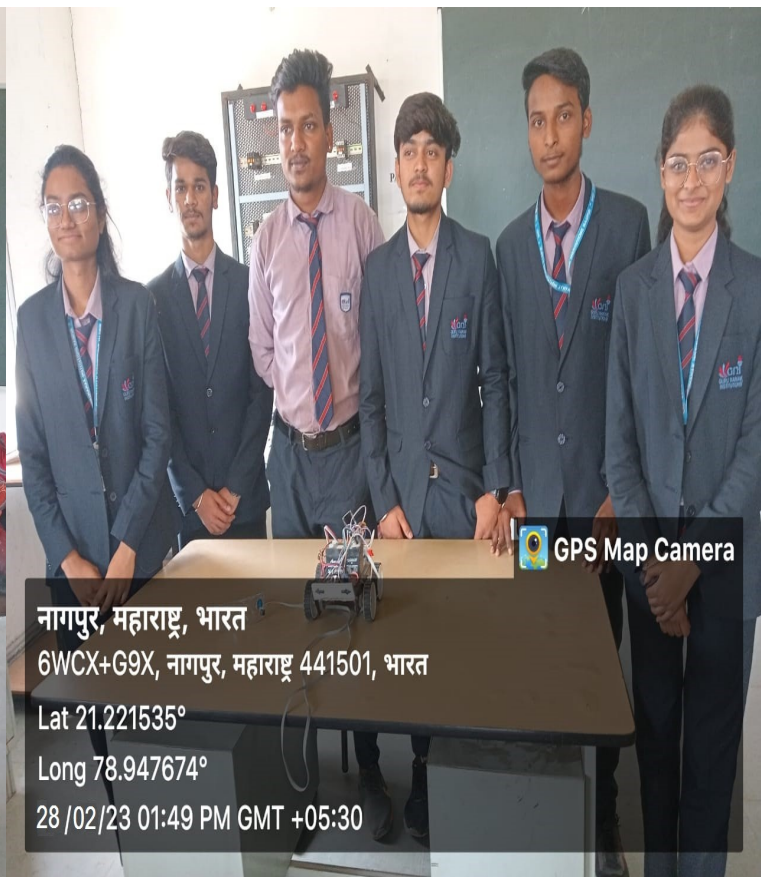
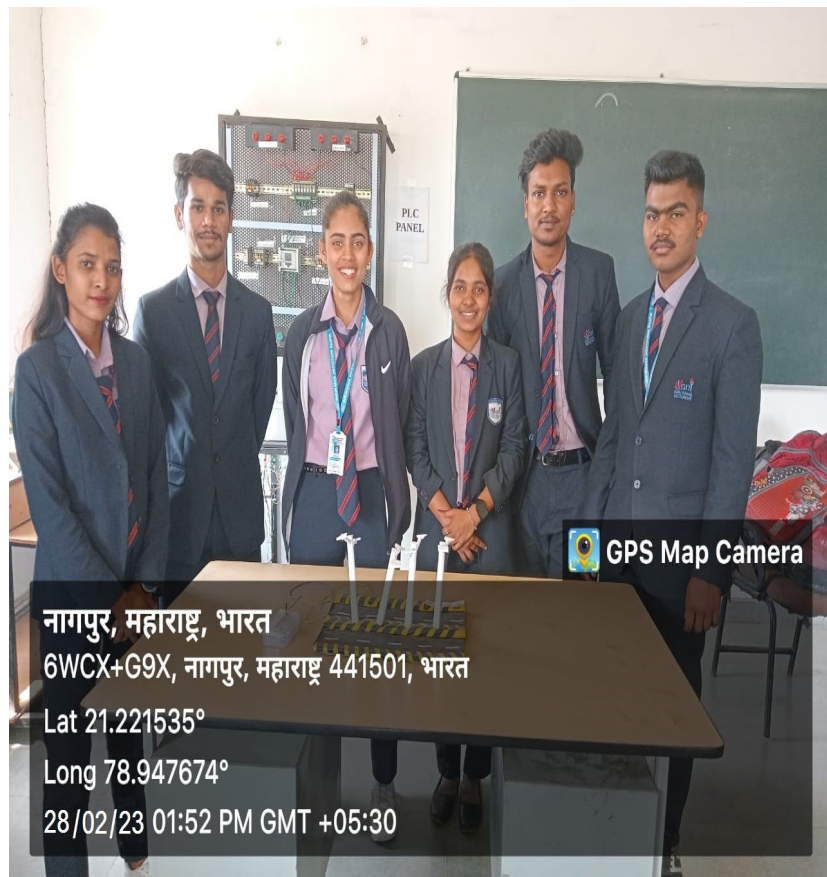


Sir C. V. Raman

Prof. Sadaf Gauhar
Associate Dean (IIC)

Prof. Rajendra Bhombe
Vice Principal, GNIET

Dr. Hemant Hajare
Principal, GNIET



Prof. Sadaf Gauhar
ASH HoD
IIC President

Dr. Hemant Hajare
Principal
GNIET

