



SHRI SANT GAJANAN MAHARAJ COLLEGE OF ENGINEERING, SHEGAON
DEPARTMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING

A Report on **Industrial Training and ISRO Visit at** **Hyderabad**

(Date: 25th Feb. to 4th Mar. 2024)

Participants: 3U1/3U2 students & Faculty/Staff
Dept. of Electronics & Telecommunication Engineering
(Session 2023-24)

Industrial Training and Industrial Visit :

1) National Skill Training Institute(NSTI)-Ramanthapur(R).

Uppal Road, Ramanthapur, Rahat Nagar, Amberpet, Hyderabad,
Telangana 500013

Contact Person: Mr. C. M. Diggewadi, Principal NSTI-R

2) ISRO NRSC Outreach Facility.

6, Medak Rd, IDA Jeedimetla, Chinthal, Jeedimetla, Hyderabad,
Telangana 500055

Contact Person: Mr. Shrinivas R., Sr. Scientist ISRO

3) Wonderla Solar and Water Purification Plant.

Hyderabad, Nehru Outer Ring Road Exit No.13, Raviryal, Telangana
501510

Contact Person: Mr. Abdul, Regional Head , Maharashtra

Industrial Tour Members:

- **Faculty and Staff**

- 1) Dr. D. P. Tulaskar
- 2) Prof. A. N. Dolas
- 3) Dr. N. S. Dharmale
- 4) Dr. J. S. Gawande
- 5) Mr. Supadu Sonawane

- **Students**

- 1) 3U1 students – 56(Boys:25; Girls: 31)
- 2) 3U2 students – 52(Boys:25; Girls: 27)

Training Report: NSTI Ramanthapur, Hyderabad

Duration: 25th Feb to 4th March 2024

Introduction: An educational training at NSTI Ramanthapur, Hyderabad, proved to be a transformative experience for 108 students and 5 faculty members. The training encompassed an array of enriching activities, including immersive training sessions and insightful tours to prominent educational and cultural landmarks. This report provides a detailed account of the training, visit emphasizing its educational significance, and the diverse learning opportunities it offered.

Arrival to the Training Cente: Departing from SSGMCE Shegaon premises in early morning on 25/02/2024, we embarked on our journey, traveling in two buses to the Akola railway station. Boarding the train to Kachiguda railway station, we traversed the landscape with anticipation. Finally, upon reaching Kachiguda, our destination drew near as we were swiftly transported by two prebooked buses, arriving at NSTI Ramanthapur by early night on same day.

Training Sessions: The primary focus of the visit was the hands-on training sessions conducted at NSTI Ramanthapur. Participants engaged in intensive learning experiences covering following 05 short term programs.

- PLC programming.
- HMI and SCADA
- Network Security
- Soldering and PCB assembly
- IoT and its applications.

These sessions from 26/02/2024 to 01/03/2024 provided a practical foundation in industrial automation and technology, equipping students with essential skills for future endeavors.

Industry Visit: NRSC Outreach Facility, ISRO: A highlight of the educational visit was the tour to the NRSC Outreach Facility of ISRO on 29/02/2024 in morning session. Here, participants gained profound insights into the operations of the Indian Space Research Organization (ISRO). Expert presentations elucidated the intricacies of satellite technology and rocket launches, fostering a deeper understanding of space exploration and its applications in scientific research and communication.

Exploration of Solar and Water Purification Plant at Wonderla Amusement Park: The educational itinerary also included a visit to Wonderla Amusement Park on 02/03/2024, offering students the opportunity to study various technologies employed in amusement park attractions. Here students also got training cum visit to 750 MW Solar Plant and Water Purification Plant. Through interactive experiences and guided tours, participants gained firsthand knowledge of mechanical, electrical, and electronic systems utilized in creating exhilarating rides and entertainment experiences.

Cultural and Historical Visits: In addition to technical training and industry visits, the educational journey encompassed visits to significant cultural and historical landmarks in Hyderabad. Participants had the privilege of exploring the architectural splendor of Birla Temple, marveling at the exquisite collections housed in Salar Jung Museum, and experiencing the grandeur of Chaumallah Palace. These excursions provided valuable insights into the rich cultural heritage of India, complementing the technical aspects of the visit.

Schedule:

Date	Activity
25/02/2024	Departure from SSGMCE Shegaon to NSTI-R Hyderabad(6.00 a.m.)
25/02/2024 – 01/03/2024	Inaugural and Intensive Training Sessions at NSTI-R
29/02/2024	Training cum Visit at NRSC Outreach Facility, ISRO(Morning Session)
02/03/2024	Visit to Solar and Water Purification Plant at Wonderla Amusement Park
03/03/2024	Birla Temple Visit
03/03/2024	Salar Jung Museum Visit
03/03/2024	Chaumallah Palace Visit
04/03/2024	Arrival to SSGMCE Shegaon from NSTI-R Hyderabad (11.30 p.m.)

Glimpses of our Industrial Training and Industrial Visit:



Departure from College



NSTI Course Registration



NSTI Orientation



Dinner at NSTI



IOT & Appl.-NSTI



HMI & SCADA-NSTI



Group Girls-NSTI



Meeting-NSTI



Group Boys-NSTI



Facility visit-NSTI



Faculty/Staff -SSGMCE & NSTI



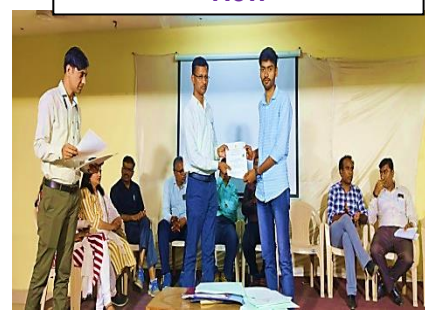
NSTI



NSTI



IOT & Appln-NSTI



Cert. distribution -NSTI



NSTI



Certificate Distribution-NSTI



PLC-NSTI



Network Security-NSTI



Certificate Distribution-NSTI



Certificate Distribution-NSTI



Certificate Distribution-NSTI



Interaction-NRSC ISRO



Group-NRSC ISRO



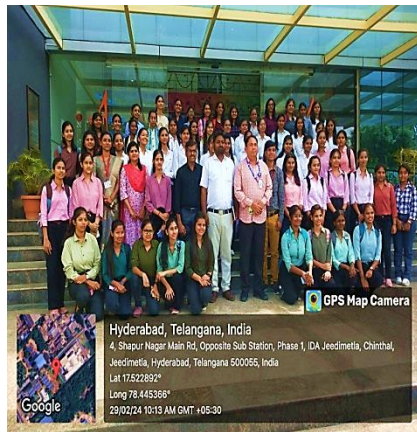
Shriniwas R.-NRSC ISRO



Training-NRSC ISRO



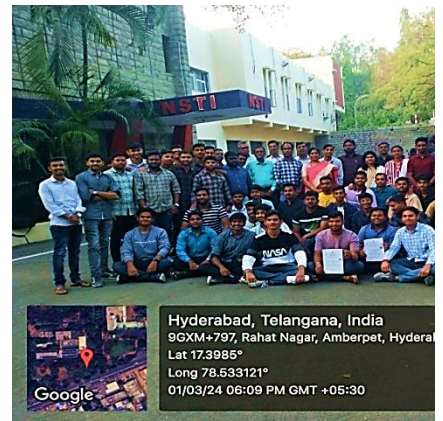
Facility Visit-NRSC ISRO



NRSC ISRO



NSTI



NSTI



NRSC ISRO



NRSC ISRO



Salarjung Museum visit



Salarjung Museum visit



Salarjung Museum visit



Salarjung Museum visit



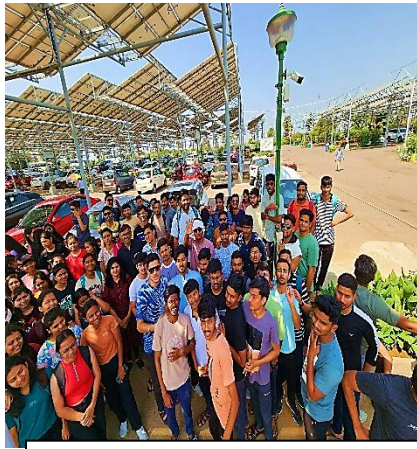
Salarjung Museum visit



Salarjung Museum visit



Salarjung Museum visit



Wonderla H.L. Solar Plant



Lunch-Wonderla H.L



Wonderla H.L.



Exit Meeting NSTI



Wonderla Waves



Wonderla



Chowmahalla Palace



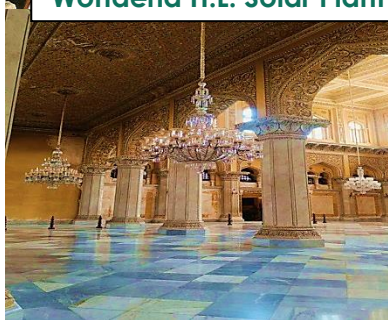
Wonderla H.L. Solar Plant



Chowmahalla Palace



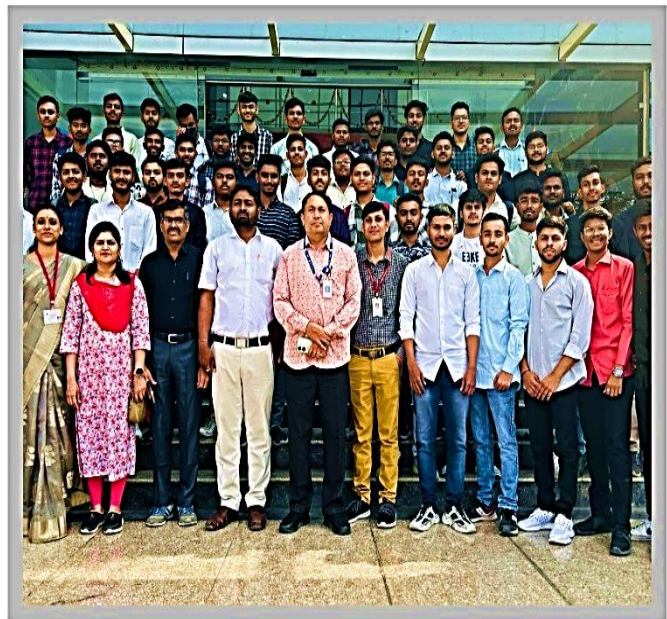
Chowmahalla Palace



Chowmahalla Palace



Birla Temple



NRSC, ISRO Hyderabad

We extend our gratitude to NSTI Ramanthapur, ISRO's NRSC Outreach Facility, Wonderla Amusement Park, and all other entities involved at Hyderabad for their hospitality and contributions to this educational endeavor.

We express our sincere thanks to Hon. Director Shri Shrikantdada Patil, Hon. Principal Dr. S. B. Somani and Hon. HOD Dr. M. N. Tibdewal, Shri Sant Gajanan Maharaj College of Engineering Shegaon. Dist Buldhana-444203 for permitting the visit.

Conclusion: The educational training at NSTI Ramanthapur, Hyderabad, was a resounding success, fostering holistic learning and personal growth. Through hands-on training, industry insights, and cultural exploration, participants gained invaluable knowledge and experiences that will undoubtedly shape their academic and professional journeys. This visit exemplifies the transformative power of experiential learning, underscoring the importance of immersive educational experiences in preparing students for the challenges and opportunities of the future

Dr.D.P.Tulaskart / Prof.A.N.Dolas
Training and IV Co-ordinators

Dr.M.N.Tibdewal
H.O.D., EXTC Engg.

Prepared by

Dr. D. P. Tulaskar /Prof. A. N. Dolas

Date:16/03/2024

-----End of Report-----