



SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Approved by AICTE, New Delhi. Affiliated to JNTUK, Kakinada)

An ISO 9001 : 2008 Certified Institute

NANDAMURU, Pedana Mandal, Krishna Dist. - 521 369. (A.P.)

Ref :-

Date: 12.10.2022

To
The Deputy Director (E)
Doordarshan Kendra
Punnamathota
Vijayawada- 520010.

Respected Sir,


Subject: Approval for the permission of Industrial visit-reg.

The Department of ECE is planning to arrange industrial visit to Doordarshan Kendra Vijayawada preferably on 15th October 2022 for ECE IV year students with total strength of 40. This visit may help the students to enrich their technical knowledge in Electronic Communications field as well as they can explore their idea towards project.

In this connection, kindly consider our request and permit our students on 15.10.2022 for visit. I am looking ahead for your positive response.

Thanking you sir.

... *Empowering Minds*


Head of the Department ECE

Dr B. Raghavaiah
Head of the Department
Department of Electronics and Communication Engineering
Sri Vasavi Institute of Engineering & Technology
NANDAMURU - 521 369,
Pedana Mandal, Krishna Dt., A.P.

PRASAR BHARATI
(INDIA'S PUBLIC SERVICE BROADCASTER)
DOORDARSHAN KENDRA:: VIJAYAWADA

No. DDK/VJA/ Training-Visit/2022-23/

Dated:12.10.2022.

The Head of the Department,,
ECE,
Vasavi Institute of Engineering & Technology,
Nandamuru, Krishna Dist.

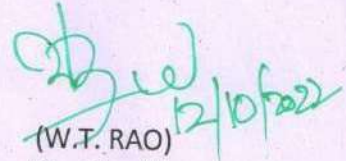
Sub: Permission to visit Doordarshan Studio- reg.
Ref: Your letter dated: 12.10.2022.

Sir,

As per the above reference, 40 IV Year B. Tech. (ECE) Students of your Institute along with 2 faculty members are hereby permitted to visit our Doordarshan Kendra on 17.10.2022 at DDK, Vijayawada subject to the following terms and conditions.

1. The fee for the visit of students of Engineering colleges / technical institutions etc. is Rs.300/- plus 18 % GST per student (i.e. Rs.354/- per each student). The fee will be accepted only in the form of DD against "DDO, Doordarshan Kendra, Vijayawada" payable at Vijayawada.
2. The faculty /Staff members and the wards of the Doordarshan and All India Radio staff are exempted from paying the Fee.
3. Each group of students will be allowed only 2 hrs inside the Doordarshan campus.
4. The in charge of the group is responsible for the discipline of the students during the visit and no unruly / mischievous activity permitted inside the campus. They have to follow the instructions given by the guide during the visit.
5. The students have to arrange their own conveyance during the visit to studio.
6. Hard copy of the permission letter and ID Cards issued by the college needs to be carried out while visiting studio.

Yours faithfully,


(W.T. RAO)
12/10/22

Director (E)

For Dy. Director General (E)

Copy to:
T.D. Studio.



... Empowering Minds

SRI VASAVI

INSTITUTE OF ENGINEERING & TECHNOLOGY

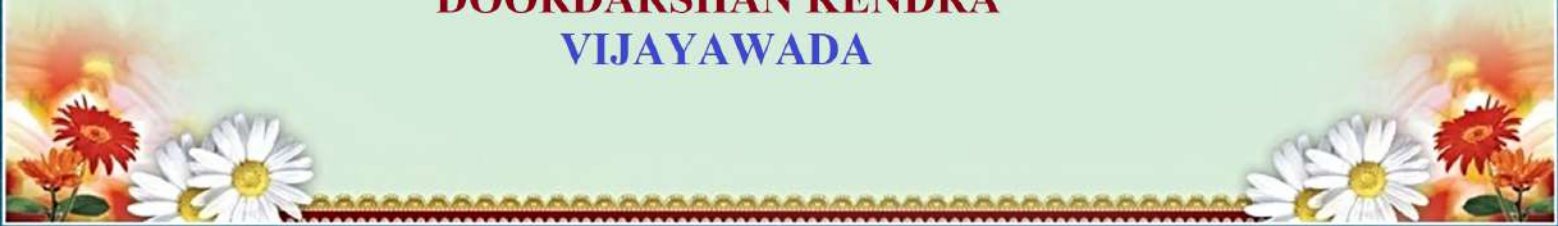
Nandamuru, Pedana Mandal, Krishna Dist – 521369.



**AICTE SPICES
SPONSORED**



**INDUSTRIAL VISIT
DOORDARSHAN KENDRA
VIJAYAWADA**





SRI VASAVI INSTITUTE OF ENGINEERING & TECHNOLOGY

Accredited by NAAC 'A' Grade & NBA

(Approved by AICTE, New Delhi & Affiliated to JNTU Kakimada),
(An ISO 9001:2015 Certified Institute)



Nandamuru, Pedana Mandal - 521 369

Department of Electronics & Communication Engineering

LIST OF STUDENTS ATTENDING DOORDARSHAN KENDRA INDUSTRIAL VISIT

| S.NO. | ROLL NUMBER | NAME OF THE STUDENT | Signature |
|-------|-------------|--------------------------|-----------------------|
| 1 | 19MQ1A0405 | BOTLA POOJITHA | B. Poojitha |
| 2 | 19MQ1A0406 | CHITTIBOMMA HEMA | Ch. Hema |
| 3 | 19MQ1A0407 | CHANDANA SRAVANI NAG | C. Sravani Nag |
| 4 | 19MQ1A0412 | P V BHANU PRASANNA | P.V. Bhanu Prasanna |
| 5 | 19MQ1A0425 | MOHAMMED MUNEEB | MD. Muneeb |
| 6 | 19MQ1A0434 | GAJJALA GAYATHRI | G. Gayathri |
| 7 | 19MQ1A0443 | MUNNAM GNANA SRI | M.N.G. Sri |
| 8 | 19MQ1A0445 | PUPPALA NAGA KAVYA | P. Kavya |
| 9 | 19MQ1A0451 | BANDREDDI SHANMUKHA SAI | B. Shanmukha Sai |
| 10 | 19MQ1A0454 | LANKE RAKESH BABU | L. Rakesh Babu |
| 11 | 19MQ1A0460 | THOTA SIVA RAMA KRISHNAN | T. S.R. Krishnan |
| 12 | 20MQ5A0402 | BALLA SIRISHA | B. Sirisha |
| 13 | 20MQ5A0403 | BALLA VENU MADHAVI | B. Venu Madhavi |
| 14 | 20MQ5A0406 | BUSAM VASUDHA RANI | B. Vasudha Rani |
| 15 | 20MQ5A0407 | CH SRI NAGA CHANDRIKA | Ch. S. Naga Chandrika |
| 16 | 20MQ5A0408 | MARAKA TEJASWI | M. Tejaswi |
| 17 | 20MQ5A0409 | GOLAGANI AKHILA | G. Akhila |
| 18 | 20MQ5A0413 | K V BABY BHAGYALAKSHMI | K.V. B. B. Lakshmi |
| 19 | 20MQ5A0414 | KAGITHA RUPA DEVI | K. Rupadevi |
| 20 | 20MQ5A0415 | KONAKALLA ANKA HIMANYA | K. Anka Himanya |
| 21 | 20MQ5A0417 | MADAMALA LAVANYA | M. Lavanya |
| 22 | 20MQ5A0420 | BATTU DHEERA VENKATASAI | B.D.V. Sai |
| 23 | 20MQ5A0421 | CHALAPATI NAVEEN | Ch. Naveen |
| 24 | 20MQ5A0429 | MAJETI NAGA PRIYA | M. Naga Priya |

| S.NO. | ROLL NUMBER | NAME OF THE STUDENT | |
|-------|-------------|-----------------------------------|----------|
| 25 | 20MQ5A0438 | THOTA TEJA SYAMALA | S.S. |
| 26 | 20MQ5A0443 | VEMULA HEMA SRI | T. Teja |
| 27 | 20MQ5A0447 | MOHAMMED RABBANI | V. H. S. |
| 28 | 19MQ1A0401 | ALAPATI SAI SOWMYA | m. p. |
| 29 | 19MQ1A0403 | BALLA HEMA PADMA HYMAVATHI | A. S. |
| 30 | 19MQ1A0413 | PRATHI RAMYA BHARGAVI | B. H. P. |
| 31 | 19MQ1A0430 | ADAPALA NIKHILA GAYATHRI | P. P. |
| 32 | 19MQ1A0437 | JAKKA SAI PRASANNA | A. T. |
| 33 | 19MQ1A0440 | MADDULA RAMYA SRI | J. S. |
| 34 | 19MQ1A0441 | MEEGADA JAYA NAGA VENKATA DEEPIKA | M. R. |
| 35 | 19MQ1A0442 | METLA PAHNAVI VARA NAGA LAKSHMI | M. J. |
| 36 | 20MQ5A0432 | PALANCHU NAGA SAILAJA | M. P. V. |
| 37 | 20MQ5A0434 | RANI AKURI | P. N. S. |
| 38 | 20MQ5A0435 | SAMUDRALA TEJASWI | A. R. |
| 39 | 20MQ5A0444 | VUMMITI HIMA SRI | S. Teja |
| 40 | 20MQ5A0450 | PUPPALA MANI BABU | V. Hima |

Faculty Coordinator

1 D.SRIDHAR

2 J.J SWAROOP

3

33 girls + 7 boys


HOD

Head of the Department
Department of Electronics and Communication
Sri Vasavi Institute of Engineering & Technology
NANDAMURU - 521 002
Pedana Mandal, Krishna District



Industrial Tour Report

Organized by : SRI VASAVI INSTITUTE OF ENGINEERING AND TECHNOLOGY
Name of the Station : DOORDARSHAN KENDRAPRASARABHRATI
(INDIA'S PUBLIC SERVICE BROADCASTER)
Location : VIJAYAWADA
Krishna Dist A.P.
Date & Time : 17.10.2022 at 09.30AM

| Branch | Year | Semester | No of Students Attended |
|--------------------------------------|------|----------|-------------------------|
| ECE | IV | I | Boys + Girls |
| Total No of Students Attended | | | 40 |

About DOORDARSHAN KENDRA

- The DD Kendra consisting of mainly two sections.
1.DDK Studio Section
2.Transmission Section
- At Studio Section: Consists of indoor shooting stage for news and general discussion spot with three major cameras.
- Processing section for both Audio and Video signals in the second room.
- Amplification and signal processing section in the third room.
- Transmission of programs according to their respective pre-planned schedule in the fourth room completed at the studio section.

Report

1. Report in brief by Organizer / Coordinator / Convener:

The tour is planned on 17-10-2022 after receiving permission letter from DDK on 12-10-2022. Tour Scheduled on 17-10-2022, We reached DD Vijayawada by 11.30 AM and had a very detailed explanation from the department staff about each and every part of the DD Kendra and the equipment used to evaluate the different parameters of the processing.

In the Doordarshan Kendra Vijayawada station covered following things

1. DD Studio which can be used to create program with user convenient after developing video content video data can be mixed with Audio signals is known as video processing which can be done in next room it is known as video and audio processing unit, this process can be repeated for different channels for different program all the channels can be applied to the transmitter module

2. The transmitter module or antenna consist of following specifications

Transmitters Details:

- 1 .Name of Station : DD Vijawada
2. Location of the Transmitters : LAT- N 28° 41'51.0"LON- E 77° 09'01.8MSL-218 Meter
3. Description of terrain around the :Urban, dense population, high Site of Transmitters rise buildings, heavy Traffic
4. Classification(Large city/urban/rural) : Large City
5. Rated power of the Transmitter : 10kW
6. Forward radiated Power : 9.0kW
7. Reflected Power : 21-30W
8. VSWR : 1.09
9. Make : RVR
10. Model No. : TXF 10K 0161
11. Frequency of operation : 100.1MHz
12. Date of Commissioning : 14/04/ 2015

Transmitting Antenna Details:

13. Type of Antenna : NA
14. Height of Tower : 241 Meter
15. Effective height of antenna(Midbay) : NA
16. Type of Polarization : Circular
17. Antenna Gain(in dB) : NA

By using the above specification Earth stations are designed and Signal will be uplinked to Satellite. .Satellite system will be re send the earth station receivers after performing amplification signal will downlinked to different earth station receiver in this way signal will telecasted from DD Vijawada to different receivers .

We have spent there for almost four hours to know about the complete units and then we left to the Transmission station after finishing our lunch is very useful for the students since they havecommunication coursefrom the present semester.

All the students are very happy after watching the real equipment which they are listening in the class room.

Photos:After Explanation about Doordarshan Kendra Vijawada small photograph with the resource person KALI PRASAD Garu



GJ4P+W27, TTD Kalyana Mandapam Rd,
Buckinghampeta, Vijayawada, Andhra Pradesh
520002, India

Latitude

16.50706166666667°

Longitude

80.63486166666667°

Local 01:43:53 PM

GMT 08:13:53 AM

Altitude 8.67 meters

Monday, 17.10.2022

Note : Industrial Visit Doordarshan Kendra Vijayawada



Photos:Doordarshan Kendra Vijawada Video and Audio Processing Units ,High Power Earth station Transmitter unit



3. Feedback from students:

- Your overall experience: Excellent
- The comprehensiveness, clarity and accuracy of the information provided on DD: Excellent
- DOORDARSHAN KENDRA representative's knowledge, cooperation and level of assistance: Excellent
- The transportation vehicle: Good
- Trip safety: Good
- This trip in terms of value for money: Good
- Guide's enthusiasm: Excellent

- Guide's knowledge: Excellent
- Guide's Communication: Excellent

4. Remarks from Resource Person:

- The students are showing very anxious to know about the equipment and their operation.
- All are very much disciplined in their behaviour.
- We feel Very happy in receiving and giving information about our plant
- The Staff members who accompanied them also very co-operative to us.

Coordinator

HoD



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Department of Electronics & Communication Engineering

Doordarshan Kendra Vijayawada

Budget Utilization

| S.No | Items | Quantity | Unit Price | Estimated Total Cost |
|------|-----------------------|----------|--------------|----------------------|
| 1 | Fee for the DDo visit | 40 | 354 | 14,160 |
| | | | Total | 14,160 |

भारतीय स्टेट बैंक

State Bank of India

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DEMAND DRAFT

Key: YUHJAP

Sr. No: 131771

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AUTHORISED SIGNATURE

Santhi Sudha
SANTHI SUDHA

Br. Manager S.S.No S-18149

₹ 1,50,000/- एवं अधिक के लिए दो अधिकारियों द्वारा हस्ताक्षर करने पर ही वैध है।
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