

## PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY, DINDIGUL

*(An Autonomous Institution affiliated to Anna University, Chennai)*

### Department of Computer Science and Engineering

#### 1.1.1. Industrial visits

Industrial visits enhance experiential learning by integrating real-world experiences into education. They provide students with firsthand insights into industry operations, allowing them to observe, interact, and apply theoretical concepts in professional settings.

Each year, the Department of Computer Science and Engineering organizes one-day industrial visits for students from the second year to the final year, providing first-hand exposure to industry practices and cutting-edge technologies. Students visit reputed companies and government organizations such as ISRO Propulsion Complex (IPRC), Info Tech, Code Bind Tech, Knila IT Solutions, Pofi Tech, Tech Volt, and the Solar Observatory. These visits enhance their understanding of key concepts and bridge the gap between theoretical learning and practical applications, benefiting around 300 students annually.

On October 26, 2024, B.E. III Year Computer Science Engineering students visited the ISRO Propulsion Complex, where they explored advancements in space technology, propulsion systems, and research methodologies. This immersive experience enriched their technical knowledge, analytical skills, and career aspirations, offering a deeper understanding of aerospace engineering and scientific innovations.



**Figure B.5.14 III A CSE Industrial Visit at ISRO Propulsion Complex October 26, 2024**

## INDUSTRIAL VISIT To



**“IPRC, Mahendragiri”**

**Date: 16 October 2024**

# **PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY, DINDIGUL**

*(An Autonomous Institution affiliated to Anna University, Chennai)*

## **Department of Computer Science and Engineering**

### **Vision:**

To be centre of excellence in the field of Computer Science and Engineering education, producing globally competent professionals with social responsibilities.


### **Mission:**

1. Sustain an environment conducive to quality education in engineering and research.
2. Provide a learning ambience to enhance problem solving skills, leadership qualities and team spirit with ethical responsibilities.
3. Evolve with the recent trends in industry to develop inter-disciplinary innovative systems and entrepreneurship.

### **CONTENTS:**


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## COMMUNICATION



**PSNA**  
College of Engineering  
& Technology  
Estd : 1984

Accredited by NAAC with 'A++ Grade'.  
All Eligible UG Programmes are  
accredited by NBA, New Delhi.  
Approved by AICTE, New Delhi.



Thiru. K.S. Subramaniam  
Founder

(An Autonomous Institution Affiliated to Anna University, Chennai)

03.10.2024

From

III Year Representative,  
Department of CSE,  
PSNACET.

To

The Principal  
PSNACET.

Respected Sir,

Sub: Requisition to visit IPRC Mahendragiri on 16.10.2024-reg.,

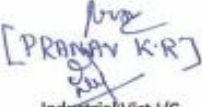
We are a group of 98 students accompanied by 04 faculty members from CSE department interested in visiting the Indian Space Research Organisation Propulsion Complex (IPRC) located in Mahendragiri on 16.10.2024.

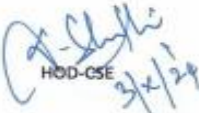
The primary objective behind this visit is to provide with a first-hand learning experience about space research and propulsion technologies. We believe that a visit to IPRC will greatly enhance our understanding of these concepts and inspire us to pursue careers in related fields. Additionally, we assure you that we will adhere to all the guidelines provided by IPRC during our visit.


We kindly request you to provide permission for the visit.

Thanking You,

Yours Faithfully,

  
[PRAVEEN K.R.]  
Industrial Visit I/C  
3/10/24

  
HOD-CSE  
3/10/24

  
PRINCIPAL  
3/10

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contact@psnacet.edu.in / principal@psnacet.edu.in

0451-2554032, 2554402  
0451-2554249

भारत सरकार  
अंतरिक्ष विभाग  
इसरो नोदन कॉम्प्लेक्स (आईपीआरसी)  
महेंद्रगिरि पो.ओ., तिरुनेलवेली जिला- 627 133  
तमिलनाडु, भारत  
दूरभाष : 04637 281900 (प्रचालक)  
फैक्स : 04637 281618 (प्रशासन)  
04637 232661 (क्रय)  
04637 281567 (सहायक)  
04637 281541 (लेखा)



Government of India  
Department of Space  
ISRO Propulsion Complex (IPRC)  
Mahendragiri P.O., Tirunelveli District - 627 133  
Tamil Nadu, India  
Telephone : 04637 281900 (Operator)  
Fax : 04637 281618 (Administration)  
04637 232661 (Purchase)  
04637 281567 (Stores)  
04637 281541 (Accounts)

IPRC/PPED/SDSM/171/24

09.10.2024

Sub : Visit to IPRC/ISRO Mahendragiri : Permission-reg.  
Ref : Your letter No. & dtd : 03.10.2024

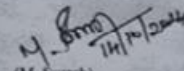
Sir/Madam,

With reference to your request on the 98 Students and 4 Staff members of PSNA College of Engineering & Technology, Dindigul are permitted to visit IPRC, Mahendragiri, at 10.00 hrs on 16.10.2024. Wishing the team a fruitful visit.

Carrying of camera, mobile phones or any other personal belongings, inside the campus is strictly prohibited. Students are expected to observe strict discipline inside the campus, and to follow safety protocols.

Visitors are requested to report to Main security gate of IPRC by 9.30 Hrs, with their College / School ID card, for security check and further guidance.

With regards,

  
(M. Suresh)  
GH, MSA

To

The Principal  
PSNA College of Engineering & Technology  
Dindigul -624 622

Cc

- |                               |   |
|-------------------------------|---|
| 1. Sr. Admin Officer, IPRC    |   |
| 2. EIC, TOMF                  | : Kindly arrange to provide 2 buses to facilitate pickup from main gate, internal trip & drop back to main gate from 9.45 Hrs to 13.00 Hrs on 16.10.2024. |
| 3. Dy. Commandant, CISF, IPRC | : The visitors shall be permitted, escorted by CISF personnel, to visit Space Museum and Major Facilities.  |
| 4. Director, IPRC             | : for kind information.   |

## PARTICIPANT LIST

**PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY**  
(An Autonomous Institution Affiliated to Anna University, Chennai)  
Department of Computer Science & Engineering

**IPRC Students Name List**

S.No.	Reg.No.	Name of the Student
1.	92132213002	AARTHI S
2.	92132213003	ABARNA S
3.	92132213004	ABINAYA MS
4.	92132213008	AISHWARYA MS
5.	92132213010	AJAY P
6.	92132213015	ANITHA M
7.	92132213016	ANITHA MARY S
8.	92132213017	ANTONY STEVE A
9.	92132213018	APARNA A
10.	92132213021	ARCHANA JEYANTHI S
11.	92132213022	ARIKARA SUDHAN M
12.	92132213025	ASHWINI A
13.	92132213026	ASWIN S
14.	92132213028	BALAKRISHNAN M
15.	92132213031	CHITRA DEVI M
16.	92132213033	DANIYA A
17.	92132213035	DHANU SHREE N
18.	92132213036	DHANUSHA R
19.	92132213037	DHANUSIYA R
20.	92132213038	DHARSHANA PRIYA R
21.	92132213052	GOWSHIKA S
22.	92132213054	GURUDAYAL U
23.	92132213059	HARINI P
24.	92132213060	HARINI S
25.	92132213061	HARI PRASATH K
26.	92132213063	HARIHARAN R
27.	92132213301	AJAY PRASATH B
28.	92132213302	ATHISH ARAVIND S
29.	921322130303	HARIHARAN S
30.	92132213130	PERCY JONE N
31.	92132213136	PRANATHI SRI R
32.	92132213138	PRANAV KR



33.	92132213145	PRISCILLA S
34.	92132213146	PRIYA DARSHINI P
35.	92132213142	PREETHI SRI T
36.	92132213167	SABRAISH M
37.	92132213168	SACHIN VB
38.	92132213177	SANJU JOSE J
39.	92132213183	SARATHIRAJA M
40.	92132213164	RESHMAA
41.	92132213188	SHALINI N
42.	92132213189	SHANKARI R
43.	92132213190	SHANMATHI M
44.	92132213192	SHANMUGAVEL V
45.	92132213193	SHARMILA A
46.	92132213194	SHARVESH R
47.	92132213195	SHIFANA D
48.	92132213196	SHIVANI G
49.	92132213197	SHOBICA S
50.	92132213198	SHREYA P
51.	92132213199	SHUNMUGA SUBRAMANIAN MA
52.	92132213200	SHYAM SUNDAR M
53.	92132213201	SIMSON ROACH S
54.	92132213202	SIVA BHARATHI M
55.	92132213203	SIVA RANJANI S
56.	92132213204	SIVANESAN R
57.	92132213205	SIVARANJANI R
58.	92132213206	SIVAYAZHINI P
59.	92132213207	SNEKA R
60.	92132213208	SOBA S
61.	92132213209	SOBEKA C
62.	92132213211	SOWMIYASRI N R
63.	92132213213	SRI MATHI B
64.	92132213214	SRI NIVETHA P
65.	92132213216	SRINITHI R
66.	92132213217	SRIRAM ADITHYA S
67.	92132213218	SUBHASHININACHIAR S
68.	92132213219	SUMITH SOPAN S
69.	92132213220	SUNDARA PANDI K
70.	92132213221	SURIYA NARAYANAN B
71.	92132213222	SUSHMITHA R
72.	92132213223	SUSILA K
73.	92132213224	SWAASTHIKA U
74.	92132213225	SWETHA S
75.	92132213226	SWETHA V

76.	92132213227	SYED RAED R
77.	92132213228	SYEDALI FATHIMA S
78.	92132213229	THARUN CHEZHIAN M
79.	92132213230	THIRIYOGAPERUMAL R
80.	92132213231	TUHIN B
81.	92132213232	UDHAYAPRAKASH S
82.	92132213233	VAIBAVAKSHMI M
83.	92132213234	VASANTHAKUMAR S
84.	92132213235	VIDYA S
85.	92132213236	VIJAY PRIYADHARSAN S
86.	92132213237	VIKAAS SRINIVAS M K
87.	92132213191	SHANMUGA PANDIYAN B
88.	92132213240	VISHWAA T K
89.	92132213241	YASHWANTH N G
90.	92132213242	YAZHINI PRIYAA R
91.	92132213243	YAZHINI R
92.	92132213244	YOGESH S
93.	92132213246	YUVANESHWARAN G
94.	92132213317	SHARON JEYAKUMAR D
95.	92132213318	SUBISH KANNAN R
96.	92132213319	SUGANTHANA RISHI A
97.	92132213320	YUVARAJA P
98.	92132213501	RAKSHAAN BEGUM H

**Accommodating Staffs:**

1. Ms.L.Dharshana Deepthi, AP/CSE *LDG2*
2. Ms.N.Indumathi, AP/CSE *N.Indu*
3. Mrs.L.Hemalatha, AP/CSE *L.Hemalatha*
4. Ms.S.Aadhitya, AP/CSE *SA*.

*IV*  
IV /c

*HOD*  
HOD-CSE

*Principal*  
PRINCIPAL



## AGENDA

PSNA COLLEGE OF ENGINEERING AND TECHNOLOGY, DINDIGUL  
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING  
Industrial Visit to ISRO Propulsion Research Complex (IPRC)

CSE Third Year

Visit date: 16/10/2024

Travelling Agenda

Time	Activity
05:00 am	Departure from PSNACET
05:00 – 07:00 am	PSNACET to Virudhunagar
07:00 – 07:30 am	Breakfast at Virudhunagar
07:30 – 09:30 am	Virudhunagar to IPRC
9:30 – 12:00 pm	Visit to IPRC ✓ only
12:00 – 01:30 pm	IPRC to Tirunelveli
01:30 – 02:30 pm	Lunch at Tirunelveli
02:30 – 05:00 pm	Tirunelveli to Madurai
05:00 – 05:30 pm	Tea break
05:30 – 06:30 pm	Madurai to PSNACET

IV-IN-CHARGE

YEAR INCHARGE

HOD-CSE

PRINCIPAL

## GALLERY



# REPORT

## ABOUT THE INDUSTRIAL VISIT:

- The Department of Computer Science Engineering organized a one-day industrial visit to the ISRO Propulsion Complex on 26 October 2024 for B.E. III Year Computer Science Engineering students. The visit was conducted with the prior permission and guidance of the Head of the Department. With the support of faculty members, students from the CSE-A and CSE-D class put in hard work and initiative, which contributed to the success of this visit.
- Accompanying the students were Dr. D. Suresh, Ms.N.Indumathi, Ms. S. Aadithya, and Ms. L. Dharshana Deepthi from the Computer Science Department.

## SUMMARY OF EXPERIENCE:

- We started our journey from the college campus at 4.45 AM on 26 October 2024, accompanied by our coordinating faculty. After an engaging trip, we arrived at the ISRO Propulsion Complex by 12.00 PM.
- Upon arrival, we were warmly welcomed by the ISRO team, who provided us with an overview of the facility and the groundbreaking work conducted there. The visit focused on the testing of liquid rocket engines and cryogenic rocket engines, two critical components of modern space exploration.
- One of the highlights was a presentation delivered by an ISRO engineer, who shared insights into the complexities of rocket propulsion systems and the rigorous testing processes involved. We learned about the challenges of developing efficient liquid and cryogenic engines, as well as the innovative technologies being utilized to enhance performance and reliability.
- The experience not only broadened our understanding of aerospace engineering but also inspired us to consider the exciting possibilities within the field of space technology.

## STUDENT FEEDBACK

PSNA College of Engineering and Technology, Dindigul  
Department of Computer Science & Engineering

### Industrial Visit Feedback Form

Name of Student : R. Harishan  
Course & Branch : BE Computer Science Engineering  
Register No : 92132213063  
Name of Industrial Visited & Date : ISRO 16/10/24  
Address of Industrial Visit Organization : ISRO Propulsion complex, Thiruvananthapuram

1. State two important experiences that had been gained from the industrial visit

Gained knowledge about Rocket Engines

2. How do you evaluate your overall training visit?

☐

Excellent

☐

Satisfactory

☒

Not Satisfactory

3. Types of exposure given:

Area interest	Please Specified
Design	Yes
Analysis	
Research Skill	✓
Administration	
Others	

4. Your satisfaction level after industrial Visit (only tick): (5: Highest: 1: Lowest)

1	2	3	4	5
---	---	---	---	---

5. Improvements to be needed during the next industrial visit

Improve Interactive Sessions

R. Harishan  
15/10/24  
Signature with Date

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PSNA College of Engineering and Technology, Dindigul  
Department of Computer Science & Engineering

Industrial Visit Feedback Form

Name of Student : Antony Stene. A  
Course & Branch : BE - CSE  
Register No : 92132213017  
Name of Industrial Visited & Date : ISRO 21/10/24  
Address of Industrial Visit Organization : Mahendragiri, Tirunelveli

1. State two important experiences that had been gained from the industrial visit

..... Learnt about Rocket engines.....  
.....

2. How do you evaluate your overall training visit?

☐ Excellent ☒ Satisfactory ☐ Not Satisfactory

3. Types of exposure given:

Area interest	Please Specified
Design	
Analysis	
Research Skill	✓
Administration	
Others	

4. Your satisfaction level after industrial Visit (only tick): (5: Highest: 1: Lowest)

1	2 ✓	3	4	5
---	-----	---	---	---

5. Improvements to be needed during the next industrial visit

..... More hands on training can be given.....  
.....

Antony Stene. A  
Signature with Date

5/11/24

PSNA College of Engineering and Technology, Dindigul  
Department of Computer Science & Engineering

Industrial Visit Feedback Form

Name of Student : Arikasa Sudhan .M  
Course & Branch : BE - CSE  
Register No : 92132213022  
Name of Industrial Visited & Date : ISRO & 16/10/24  
Address of Industrial Visit Organization : ISRO Mahendragiri, Tirunelveli

1. State two important experiences that had been gained from the industrial visit

.....Employed about robot.....fueled.....  
.....

2. How do you evaluate your overall training visit?

☐ Excellent ☒ Satisfactory ☐ Not Satisfactory

3.Types of exposure given:

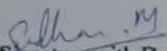
Area interest	Please Specified
Design	
Analysis	
Research Skill	✓
Administration	
Others	

4. Your satisfaction level after industrial Visit (only tick):(5: Highest: 1: Lowest)

1	2	3	4	5
---	---	---	---	---

5. Improvements to be needed during the next industrial visit

.....Proper food arrangement can be done.....  
.....

  
Signature with Date

5/11/24