



NPR

COLLEGE OF ENGINEERING & TECHNOLOGY (AUTONOMOUS)

NBA Accredited (B.E. - CSE, ECE, EEE & Mechanical Engg.) | Accredited by NAAC with 'A' Grade | Recognized by UGC under 2 (f)
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Department of Science & Humanities Report for the Industrial Visit to 'Nalvetha Cast Steels Pvt.Ltd.' Permission Letter sent to Admin office

From

Dr. N. Pradekaran,
First year Coordinator,
Department of Science and Humanities,
NPR College of Engineering and Technology,
Natham, Dindigul.

| | |
|-----------------------------|----------------|
| NPR CET | |
| Received Letter: Pradekaran | |
| No : | 1614 |
| Date : | 22/05/2024 |
| Sign : | A. [Signature] |

To

The Administrative office,
NPR Group of Institutions,
Natham, Dindigul

| | |
|---------------------------|-------------|
| NPR GROUP OF INSTITUTIONS | |
| College Name | NPR CET |
| Letter No: | 2662 |
| Letter Date: | 22/05/24 |
| Signature: | [Signature] |

Through

The Proper channel.

Respected Sir,

Sub: Requesting to give permission and Transport to go for
Industrial Visit - Ref.

As per the academic calendar schedule on 24.05.2024,
we are planning to go for industrial visit to the company
Nalvetha Cast Steels private limited, Dindigul. This
visit will provide a conceptual idea to the students of
first year civil, EEE and mechanical related to the
studies. Out of 69, 62 students are interested for the
industrial visit. Four of our faculty will be the accompanying
for this industrial visit.

We are requesting you to give permission and
Transport to go for industrial visit on 24.05.2024 (Friday)
to Dindigul. kindly do the needful.

Thanking you

21.05.2024
Natham

5.5.21 to 4

5.5.21 to 4

FORWARDED TO ADMIN. OFFICE

PRINCIPAL

100/2
[Signature]

Yours Sincerely,

N. Pradekaran
DR. N. Pradekaran

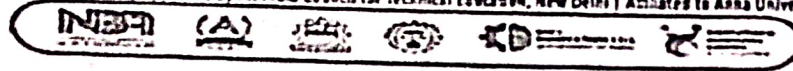




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Department of Science & Humanities

Report for the Industrial Visit to 'Nalvetha Cast Steels Pvt.Ltd.'

Requisition Mail sent to company

From: NPRCET MECH [mailto:nprcetmech@nprcolleges.org]
Sent: 17 May 2024 10:57
To: gm@nalvethasteels.com
Subject: Industrial visit-reg

Good morning sir,

We met and discussed Industry-Institute interaction on 8.4.24. Based on this, Our 1 year Mechanical Engineering Students are willing to visit your industry on 24-05-24 (Friday). Please grant the permission for Industrial visit on above date.

Expecting your reply.

Thanking you,

Dr.S.Patsingarayar.

<mailto:nprcetmech@nprcolleges.org> 1/2

10:21, 12th PM

NPR COLLEGES MAIL - For Industrial Visit-reg

Assistant Head of the Department

Department of Mechanical Engineering

NPR College of Engineering & Technology (Autonomous)

Natham - 624 401, Dindigul

Tamil Nadu, India

Department Vision:

To develop qualified mechanical engineers to compete with evolving industrial challenges.

Department Mission:

M1: To impart quality education by best teaching techniques.

M2: To enhance employability skills through training programs.

M3: To develop alliances with global industries to cognize prevailing technologies.

M4: To provide direction on life-long learning for constructive career.



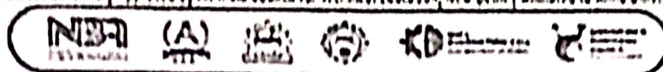


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Department of Science & Humanities

Report for the Industrial Visit to 'Nalvetha Cast Steels Pvt.Ltd.'

Company confirmation Mail

From: GM <gm@nalvethasteels.com>
Date: Tue, May 21, 2024 at 10:14 AM
Subject: RE: Industrial visit-reg
To: NPRCET MECH <nprcetmech@nprcolleges.org>
Cc: <ceo@nalvethasteels.com>

Dear Sir,

Good Morning.

Kindly plan your visit on below mentioned date along with necessary details as we discussed.

Thanks and Regards

Babu.P

General Manager

Nalvetha Cast Steels Private Limited

Dindigul

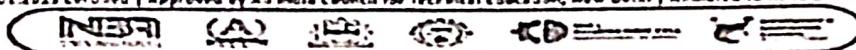




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Department of Science & Humanities

Report for the Industrial Visit to 'Nalvetha Cast Steels Pvt.Ltd.'

Name list of students

| S.No. | Register Number | Name of the Student | Year and Class |
|-------|-----------------|---------------------|----------------|
| 1. | 583223103001 | Afsal Riyaz B | I CIVIL |
| 2. | 583223103006 | Hari Prasath S | I CIVIL |
| 3. | 583223103007 | Kamala Kannan P | I CIVIL |
| 4. | 583223103009 | Mathumitha S | I CIVIL |
| 5. | 583223103010 | Nanthika Harini B | I CIVIL |
| 6. | 583223103011 | Pandiya Vignesh S | I CIVIL |
| 7. | 583223103014 | Sanjay Sivan C | I CIVIL |
| 8. | 583223103017 | Sathya Moorthy R | I CIVIL |
| 9. | 583223103019 | Siva M | I CIVIL |
| 10. | 583223103020 | Siva Perumal Samy T | I CIVIL |
| 11. | 583223103021 | Sri Kamali M | I CIVIL |
| 12. | 583223114001 | Abdul Ashif M | I MECH |
| 13. | 583223114002 | Aravindharaj G | I MECH |
| 14. | 583223114004 | Bharathi Raja S | I MECH |
| 15. | 583223114005 | Bhuvaneshwari S | I MECH |
| 16. | 583223114006 | Chinnaiya M | I MECH |
| 17. | 583223114007 | Dorothy Bertina E | I MECH |
| 18. | 583223114010 | Kamalakannan S | I MECH |
| 19. | 583223114011 | Kavi Manoj P | I MECH |
| 20. | 583223114012 | Kavin S | I MECH |
| 21. | 583223114013 | Krishna Kanth M | I MECH |
| 22. | 583223114014 | Manikandan K | I MECH |
| 23. | 583223114015 | Manikandan P | I MECH |
| 24. | 583223114016 | Mohamed Haseem S | I MECH |
| 25. | 583223114017 | Praveen Kumar M | I MECH |
| 26. | 583223114018 | Rinesh S | I MECH |
| 27. | 583223114020 | Sri Raguram R | I MECH |
| 28. | 583223114021 | Subash P | I MECH |
| 29. | 583223114023 | Susan M S | I MECH |
| 30. | 583223114024 | Vel Murugan A | I MECH |
| 31. | 583223114025 | Yoga Vignesh S | I MECH |





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Department of Science & Humanities


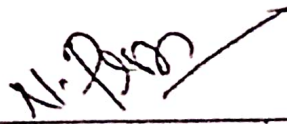

Report for the Industrial Visit to 'Nalvetha Cast Steels Pvt.Ltd.'

Name list of students

| S.No. | Register Number | Name of the Student | Year and Class |
|-------|-----------------|------------------------|----------------|
| 32. | 583223105001 | Abinesh R | I EEE |
| 33. | 583223105002 | Afra Mariyam N | I EEE |
| 34. | 583223105003 | Anwar Khan A | I EEE |
| 35. | 583223105005 | Balamurugan N | I EEE |
| 36. | 583223105006 | Barathkumar M | I EEE |
| 37. | 583223105008 | Char Mugesh B | I EEE |
| 38. | 583223105012 | Kaveen R | I EEE |
| 39. | 583223105013 | Kaviyavarshini S | I EEE |
| 40. | 583223105014 | Maruthachala Moorthy.C | I EEE |
| 41. | 583223105015 | Palpandi K | I EEE |
| 42. | 583223105016 | Praveen Kumar M | I EEE |
| 43. | 583223105017 | Premnath V | I EEE |
| 44. | 583223105020 | Ratheesh S | I EEE |
| 45. | 583223105022 | Sabari Sakthi K | I EEE |
| 46. | 583223105024 | Sathish Kumar M | I EEE |
| 47. | 583223105025 | Shifana N | I EEE |

Name list of accompanying Faculty

| S.No | Name of the Faculty | Designation | Department |
|------|---------------------|-------------|------------|
| 1. | Mr.K.Yogunath | AP | MATHS |
| 2. | Mrs.D.Lakshmi | AP | MATHS |

| | | |
|---|--|---|
|  Program Coordinator |  HOD |  Principal |
|---|--|---|





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Department of Science & Humanities

Report for the Industrial Visit to 'Nalvetha Cast Steels Pvt. Ltd' PHOTO GALLERY



Students are standing in front of Nalvetha Cast Steels Pvt. Ltd, Dindigul

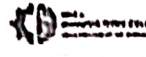




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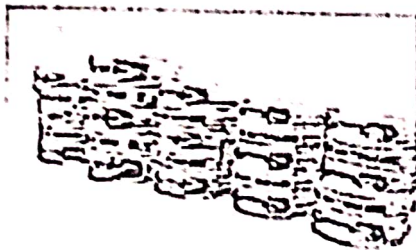
Sample Certificate



NALVETHA CAST STEELS PVT LTD

CERTIFICATE

This is to Certify that Mr/Mrs N. Shifana
Student of Department of B.E(EEE), NPR COLLEGE OF ENGINEERING AND TECHNOLOGY,
(Autonomous), Dindigul has attended an Industrial visit at Nalvetha Cast Steels Pvt Ltd,
Dindigul on 24/05/2024



Authorized signatory
Nalvetha Cast Steels Pvt Ltd
Dindigul.



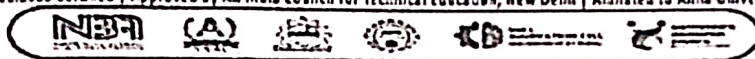


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Department of Science & Humanities

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SUMMARY REPORT

An industrial visit was organized by the Department of Science & Humanities of NPR College of Engineering & Technology to Nalvetha Cast Steels Pvt Ltd, Dindigul on 24th May, 2024. The visit was attended by 47 first-year students from the Electrical & Electronics Engineering, Mechanical Engineering, and Civil Engineering departments, accompanied by two faculty members. The objective was to provide students with practical exposure to casting technology.

Schedule:

- **Departure:** Students were picked up from NPRCET on 24.5.24 at 9:45 a.m and traveled by bus to Dindigul.
- **Arrival:** The group reached Dindigul at 10.30a.m the following day.
- **Visit to Nalvetha Cast Steels Pvt. Ltd:** Students visited Nalvetha Cast Steels Pvt.Ltd., from 11:00 a.m to 12:45 p.m and toured the facility, gaining insights into the company's various departments and operations.
- **Meeting with Director:**

Mr. S.P. Babu, the authorized representative, provided a comprehensive introduction to the company, outlining its mission, vision, and areas of expertise.

Students learned about the company's history, significant contributions to the casting field, and toured the research and development facilities.

- **Activities:**

Students observed live demonstrations of iron molding and casting processes. Workers and industry heads explained the intricacies of pouring molten metal into molds via hollow channels, followed by controlled cooling processes. Details about materials like sodium silicate and resin sand used in casting were shared, emphasizing the critical molding temperature for iron.

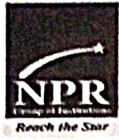
During the visit, students witnessed the production of fittings such as nuts, bolts, pipes, and gauges, while observing strict adherence to safety protocols. Opportunities were provided for students to engage with workers, discussing technological challenges and safety measures.

- **Discussion on Future Trends:**

The visit concluded with a discussion on future trends and advancements in molding and casting technology. Students actively participated, discussing potential collaborations and opportunities for further research and development in the field.

At the conclusion of the visit, students and faculty extended their gratitude to the authorities of Nalvetha Cast Steels Pvt., Ltd., for their support in making the visit informative and successful.





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Department of Science & Humanities

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SUMMARY REPORT

- **Return:** After lunch at Gold Star Biryani restaurant from 12:45 p.m to 2:00 p.m, the students began their return journey at 2:15 p.m and reached NPRCET on 24.5.24 at 3:00 p.m the same day.

Outcome

The industrial visit to Nalvetha Cast Steels Pvt., Ltd., provided students with:


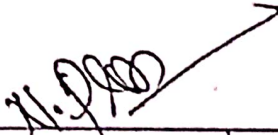
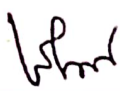
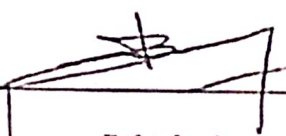
- Insights into the latest developments in molding and casting technology.
- Understanding of real-world applications across various industries.
- Inspiration and practical knowledge beneficial for their academic and professional growth.

Conclusion

Overall, the visit was a valuable experience for the students, enhancing their understanding of molding and casting technologies. It provided a platform to bridge theoretical knowledge with practical applications, preparing them for future endeavors in the field of engineering. This industrial visit not only enriched the students' learning but also strengthened their appreciation for industrial practices and innovations in casting technology.

Relevance to POs and PSOs

| PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PO12 | PSO1 | PSO2 | PSO3 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|------|
| ✓ | ✓ | ✓ | | ✓ | ✓ | | ✓ | ✓ | ✓ | ✓ | ✓ | | | |

| | | | |
|---|---|--|---|
|  |  |  |  |
| Program Coordinator | HOD | IQAC Coordinator | Principal |

