

**WORKSHOP  
ON  
NON DESTRUCTIVE  
TESTING METHODS AND  
THEIR APPLICATIONS**

**RESOURCE PERSON  
MR. LAWRENCE,  
CEO, APLUS NDT SERVICES  
COIMBATORE**



**APLUS<sup>TM</sup>  
NDT SERVICES**  
SCHOOL OF TECHNICAL EDUCATION

**DATE: 31.03.2023**

**VENUE: VIDEO CONFERENCING HALL  
TIME: 10.00 AM- 3.30 PM**

**EVENT COORDINATORS  
DR. S. JOSEPH DOMINIC VIJAYAKUMAR  
PROFESSOR, MECHANICAL ENGG**

**CONVERNORS**  
DR. G. SANKARANARAYANAN  
HOD/MECHANICAL ENGG  
DR. D. SENTHIL KUMARAN  
PRINCIPAL



# SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi / Affiliated to Anna University / Accredited by NACC)  
Dindigul – Palani Highway, Dindigul – 624 002

## Department of Mechanical Engineering

### Workshop on Non-Destructive Testing Methods and their Applications

#### STUDENT NAME LIST

31/03/23

Year / Sem : IV / VI

Academic Year: 2022-2023 (Even Sem)

S.NO	REG NO	NAME
1	922120114001	ABDUL HARSHATH A
2	922120114002	ARISHRAJAN I
3	922120114004	BALAMURUGAN S
4	922120114005	DANUSHMANI S
5	922120114006	DINESH S
6	922120114007	EDISON S
7	922120114008	JAIKUMAR PANDIAN J
8	922120114009	JOHNSON M
9	922120114010	KARTHICK D
10	922120114011	KARTHICK RAJA R
11	922120114012	KARTHIKEYAN N
12	922120114013	LAKSHMI N
13	922120114014	MANIKANDAN G
14	922120114015	MOHAMED RIAZ S
15	922120114016	MUTHU PRAKALATHAN V
16	922120114017	MUTHU SANTHOSH M. S
17	922120114019	NITHESH S
18	922120114020	NITHIS KUMAR J
19	922120114023	RAJASEKARAN V
20	922120114025	SANJAY KUMAR S
21	922120114026	SANMUGAPANDI M
22	922120114027	SANTHOSH KUMAR M
23	922120114028	SARAVANA PANDI P
24	922120114029	SIVARAMAN S
25	922120114031	TAMIL SELVAN S
26	922120114032	VASANTH R
27	922120114033	VIDYASARAN P
28	922120114302	ABISHEK N
29	922120114303	ARUN KANNAN K
30	922120114304	ASWIN RAJ V
31	922120114305	BOMMURAJ K
32	922120114306	DEVAPRAKASH N
33	922120114308	DHIWAKAR C
34	922120114309	HARIHARASUDHAN M
35	922120114311	KARTHICK S
36	922120114312	KAVINRAJ P
37	922120114313	KOWSHIK BALAJI S
38	922120114314	LOKESH VARMA D
39	922120114316	MAUREESH K V R
40	922120114317	NAVIN JOE J
41	922120114318	PRASANNAKUMAR S
42	922120114319	RAJKUMAR P
43	922120114320	RAMKUMAR P R
44	922120114323	SANTHOSH KANNAN R
45	922120114324	SIVAYOGAPRABHU V
46	922120114325	SRIKRISHNA R

86 31/3/23  
Staff i/c  
(JN)

H. S. 31/03/2023  
HoD/ MECH

# SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi / Affiliated to Anna University / Accredited by NAAC)  
Dindigul – Palani Highway, Dindigul – 624 002

S.No.	Reg.no.	Student Name	Signature
1.	922120114001	ABDUL HARSHATH A	Abdul harshath
2.	922120114002	ARISHRAJAN I	Arishrajan
3.	922120114004	BALAMURUGAN S	Bala
4.	922120114005	DANUSHMANI S	DANUSHMANI
5.	922120114006	DINESH S	Dinesh
6.	922120114007	EDISON S	Edison
7.	922120114008	JAIKUMAR PANDIAN J	Jaikumad
8.	922120114009	JOHNSON M	Johnson
9.	922120114010	KARTHICK D	Karthick
10.	922120114011	KARTHICK RAJA R	Karthick Raja
11.	922120114012	KARTHIKEYAN N	Karthikeyan
12.	922120114013	LAKSHMI N	Lakshmi
13.	922120114014	MANIKANDAN G	Manikandan
14.	922120114015	MOHAMED RIAZ S	Mohamed Riaz
15.	922120114016	MUTHU PRAKALATHAN V	Muthu Prakash
16.	922120114017	MUTHU SANTHOSH M. S	Muthu
17.	922120114019	NITHESH S	Nithesh
18.	922120114020	NITHIS KUMAR J	Nithish Kumar
19.	922120114023	RAJASEKARAN V	Rajasekaran
20.	922120114025	SANJAY KUMAR S	Sanjay
21.	922120114026	SANMUGAPANDI M	Sanmugapandi
22.	922120114027	SANTHOSH KUMAR M	Santhosh
23.	922120114028	SARAVANA PANDI P	Saravana Pandi
24.	922120114029	SIVARAMAN S	Sivaraman
25.	922120114031	TAMIL SELVAN S	Tamil Selvan
26.	922120114032	VASANTH R	Vasanth
27.	922120114033	VIDYASARAN P	Vidya
28.	922120114302	ABISHEK N	Abhishek
29.	922120114303	ARUN KANNAN K	Arun
30.	922120114304	ASWIN RAJ V	Aswin
31.	922120114305	BOMMURAJ K	Bommuraj
32.	922120114306	DEVAPRAKASH N	Devaprakash
33.	922120114308	DHIWAKAR C	Dhiwakar
34.	922120114309	HARIHARASUDHAN M	Hariharasudhan
35.	922120114311	KARTHICK S	Karthick
36.	922120114312	KAVINRAJ P	Kavinraj
37.	922120114313	KOWSHIK BALAJI S	Kowshik Balaji
38.	922120114314	LOKESH VARMA D	Lokesh Varma
39.	922120114316	MAUREESH K V R	Maureesh
40.	922120114317	NAVIN JOE J	Navin
41.	922120114318	PRASANNAKUMAR S	Prasanna
42.	922120114319	RAJKUMAR P	Rajkumar
43.	922120114320	RAMKUMAR P R	Ramkumar
44.	922120114323	SANTHOSH KANNAN R	Santhosh
45.	922120114324	SIVAYOGAPRABHU V	Sivayoga
46.	922120114325	SRIKRISHNA R	Srikrishna

15/11/23  
Faculty In-Charge  
(SDV)

HoD / Mech

### **1. Introduction:**

The workshop on Non-Destructive Testing (NDT) Methods and Their Applications, conducted by APLUS NDT Services, took place on 31.03.2023 at Video conference Hall. The workshop aimed to provide participants with comprehensive insights into various NDT methods and their practical applications across industries.

### **2. Objectives of the Workshop:**

The primary objectives of the workshop were as follows:

- ✓ To familiarize participants with a range of Non-Destructive Testing methods.
- ✓ To elucidate the principles behind each NDT technique.
- ✓ To demonstrate the applications and advantages of NDT in diverse industries.
- ✓ To provide hands-on training in selected NDT methods.

### **3. Workshop Agenda:**

The workshop's agenda was meticulously designed to cover a broad spectrum of NDT methods, ensuring participants gained both theoretical knowledge and practical skills. The key sessions included:

- ✓ Introduction to Non-Destructive Testing
- ✓ Overview of Various NDT Methods (e.g., Ultrasonic Testing, Radiographic Testing, Magnetic Particle Testing)
- ✓ Principles and Applications of Each NDT Method
- ✓ Case Studies and Real-world Applications
- ✓ Hands-on Training and Demonstration of NDT Equipment
- ✓ Q&A Sessions with Industry Experts

### **4. Resource Person:**

Mr. Lawrance, Chief Executive Officer of APLUS NDT Services, served as the resource person for the workshop. With his extensive experience and expertise in the field of NDT, Mr. Lawrance brought a wealth of practical knowledge and real-world insights to the participants. His dynamic presentation style and ability to simplify complex concepts contributed significantly to the overall success of the workshop.

## **5. Participant Engagement:**

The workshop fostered active participation and engagement among the attendees. Participants had the opportunity to interact directly with Mr. Lawrance during Q&A sessions, gaining valuable insights into specific applications and challenges related to NDT. The hands-on training sessions allowed participants to operate NDT equipment under the guidance of industry experts, enhancing their practical skills.

## **6. Workshop Materials:**

Participants received comprehensive workshop materials, including presentation slides, case studies, and reference materials. These resources served as valuable references for further exploration of NDT methods and applications beyond the workshop.

## **7. Feedback and Participant Impressions:**

Feedback from participants was overwhelmingly positive. Attendees praised the workshop's organization, the depth of content covered, and Mr. Lowrance's effective delivery. Many highlighted the practical nature of the sessions as particularly beneficial in understanding the nuances of NDT applications.

## **8. Conclusion:**

The Workshop on Non-Destructive Testing Methods and Their Applications, conducted by APLUS NDT Services and facilitated by Mr. Lawrance, proved to be a resounding success. It provided participants with a holistic understanding of NDT, blending theoretical knowledge with practical applications. The workshop not only met its objectives but also inspired participants to apply NDT techniques more effectively in their respective industries.





# SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi / Affiliated to Anna University / Accredited by NAAC)  
Dindigul – Palani Highway, Dindigul – 624 002

## Department of Mechanical Engineering

Date: 31.03.2023

### Feedback form

Name of the Program: **Workshop on Non-Destructive Testing Methods and their Applications**

Name of the guest:

[1]. Resource Person's knowledge on the delivered content

☐ Excellent

☒ Good

☐ Fair

[2]. Content delivered.

☒ Excellent

☐ Good

☐ Fair

[3]. Response of the speakers to the questions

☒ Excellent

☐ Good

☐ Fair

[4]. Time management of the speakers

☐ Excellent

☒ Good

☐ Fair

[5]. Applicability of the workshop sessions to you

☐ Excellent

☒ Good

☐ Fair

[6]. Overall experience

☒ Excellent

☐ Good

☐ Fair

[7]. Any Suggestions/comments to improve:

The sessions provided is useful for as



# SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi / Affiliated to Anna University / Accredited by NAAC)  
Dindigul – Palani Highway, Dindigul – 624 002

## Department of Mechanical Engineering

Date: 31.03.2023

### Feedback form

Name of the Program: **Workshop on Non-Destructive Testing Methods and their Applications**

Name of the guest:

[1]. Resource Person's knowledge on the delivered content

- ☐ Excellent
- ☒ Good
- ☐ Fair

[2]. Content delivered.

- ☐ Excellent
- ☒ Good
- ☐ Fair

[3]. Response of the speakers to the questions

- ☐ Excellent
- ☒ Good
- ☐ Fair

[4]. Time management of the speakers

- ☐ Excellent
- ☒ Good
- ☐ Fair

[5]. Applicability of the workshop sessions to you

- ☐ Excellent
- ☒ Good
- ☐ Fair

[6]. Overall experience

- ☐ Excellent
- ☒ Good
- ☐ Fair

[7]. Any Suggestions/comments to improve:

*S. K. S.*



# SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi / Affiliated to Anna University / Accredited by NAAC)  
Dindigul – Palani Highway, Dindigul – 624 002

## Department of Mechanical Engineering

Date: 31.03.2023

### Feedback form

Name of the Program: **Workshop on Non-Destructive Testing Methods and their Applications**

Name of the guest:

[1]. Resource Person's knowledge on the delivered content

- ☐ Excellent
- ☒ Good
- ☐ Fair

[2]. Content delivered.

- ☒ Excellent
- ☐ Good
- ☐ Fair

[3]. Response of the speakers to the questions

- ☐ Excellent
- ☒ Good
- ☐ Fair

[4]. Time management of the speakers

- ☒ Excellent
- ☐ Good
- ☐ Fair

[5]. Applicability of the workshop sessions to you

- ☐ Excellent
- ☒ Good
- ☐ Fair

[6]. Overall experience

- ☒ Excellent
- ☐ Good
- ☐ Fair

[7]. Any Suggestions/comments to improve:

Practical oriented applications





# SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi / Affiliated to Anna University / Accredited by NAAC)  
Dindigul – Palani Highway, Dindigul – 624 002

## Department of Mechanical Engineering

Date: 31.03.2023

### Feedback form

Name of the Program: **Workshop on Non-Destructive Testing Methods and their Applications**

Name of the guest:

[1]. Resource Person's knowledge on the delivered content

- ☐ Excellent
- ☒ Good
- ☐ Fair

[2]. Content delivered.

- ☒ Excellent
- ☐ Good
- ☐ Fair

[3]. Response of the speakers to the questions

- ☐ Excellent
- ☒ Good
- ☐ Fair

[4]. Time management of the speakers

- ☒ Excellent
- ☐ Good
- ☐ Fair

[5]. Applicability of the workshop sessions to you

- ☒ Excellent
- ☐ Good
- ☐ Fair

[6]. Overall experience

- ☐ Excellent
- ☒ Good
- ☐ Fair

[7]. Any Suggestions/comments to improve:

delivered the word (or) content improve by attracting  
one.



# SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi / Affiliated to Anna University / Accredited by NAAC)  
Dindigul – Palani Highway, Dindigul – 624 002

## Department of Mechanical Engineering

Date: 31.03.2023

### Feedback form

Name of the Program: **Workshop on Non-Destructive Testing Methods and their Applications**

Name of the guest:

[1]. Resource Person's knowledge on the delivered content

- ☒ Excellent
- ☐ Good
- ☐ Fair

[2]. Content delivered.

- ☐ Excellent
- ☒ Good
- ☐ Fair

[3]. Response of the speakers to the questions

- ☒ Excellent
- ☐ Good
- ☐ Fair

[4]. Time management of the speakers

- ☐ Excellent
- ☒ Good
- ☐ Fair

[5]. Applicability of the workshop sessions to you

- ☒ Excellent
- ☐ Good
- ☐ Fair

[6]. Overall experience

- ☐ Excellent
- ☒ Good
- ☐ Fair

[7]. Any Suggestions/comments to improve:

K. Sivakumar

**Department of Mechanical Engineering**

Date: 31.03.2023

**Feedback form**

Name of the Program: **Workshop on Non-Destructive Testing Methods and their Applications**

Name of the guest:

- [1]. Resource Person's knowledge on the delivered content
- ☐ Excellent
  - ☒ Good
  - ☐ Fair
- [2]. Content delivered.
- ☐ Excellent
  - ☒ Good
  - ☐ Fair
- [3]. Response of the speakers to the questions
- ☒ Excellent
  - ☐ Good
  - ☐ Fair
- [4]. Time management of the speakers
- ☐ Excellent
  - ☒ Good
  - ☐ Fair
- [5]. Applicability of the workshop sessions to you
- ☒ Excellent
  - ☐ Good
  - ☐ Fair
- [6]. Overall experience
- ☐ Excellent
  - ☒ Good
  - ☐ Fair
- [7]. Any Suggestions/comments to improve:

Request, please give the demo and practical  
for workshop on non-destructive testing method

S. Karthick