



**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



**VINAYAKA MISSION'S  
RESEARCH FOUNDATION**  
(Deemed to be University under section 3 of the UGC Act 1956)



## **AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY**

### **DEPARTMENT OF CIVIL ENGINEERING**

#### **PROGRAM REPORT**

**for**

#### **Faculty Development Program in Paints and Coatings**

**Day 4 & 5- 28.08.2025 & 29.08.2025**

AVIT – Departments of Civil Engineering and Mechanical Engineering organized the Faculty Development Program titled “*Paints and Coatings*”, with the 4th and 5th day sessions held on 28th and 29th August 2025 at the Digital Classroom

#### **About the Event**

The Department of Civil Engineering and the Department of Mechanical Engineering, AVIT, in association with the Paints and Coatings Skill Council, organized the fourth and fifth day sessions of the Faculty Development Program (FDP) on “*Paints and Coatings*” on 28th and 29th August 2025 at the Digital Classroom, AVIT. The objective of these sessions was to impart technical knowledge and practical insights on paint systems, applications, colour technology, quality control and safety practices

The resource persons for the two days were Mr. N. K. Bhatia and Mr. Gowri Shankar Mahalingam (Advisor, Paints and Coatings Skill Council), who brought in-depth industrial expertise and shared hands-on demonstrations to enrich the sessions.

#### **Day 4 (28.08.2025)**

The fourth day of the FDP commenced with an overview of paint systems and specifications, where participants were introduced to different types of paint systems including architectural, industrial, wood, metal, and concrete coatings. Discussions also included product selection criteria, interpreting datasheets, and estimating cost and quantities.

The second session focused on waterproofing and floor coatings, covering epoxy, polyurethane (PU), PVC, laminated, ceramic, and tile-based coatings. Real-world case studies were presented to connect classroom learning with industry applications.

In the afternoon, participants gained hands-on exposure to surface preparation and texture application, learning about international standards (SSPC, ISO, NACE) inspection protocols, and practical use of tools like brushes, rollers, and spray equipment.

The day concluded with a session on troubleshooting and quality assurance, addressing common defects such as blistering, chalking, peeling, and colour mismatches, along with preventive and inspection methods.



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## **Day 5 (29.08.2025)**

The fifth day began with a recap of the previous day's sessions, followed by an interactive session on the basics of colour and colour technology. Participants learned about colour theory, psychology, matching, measurement, and the role of colour in branding and aesthetics. Demonstrations with shade cards and colour tools added practical value.

The second session was on quality control and testing, where participants were trained in dry film thickness (DFT), gloss, and adhesion tests, as well as surface inspection methods. International quality standards (SSPC, ISO, NACE) were highlighted, and faculty gained hands-on exposure to defect boards and quality control tools.

In the afternoon, the program focused on health, safety, and environmental practices. This included demonstrations on the use of personal protective equipment (PPE), safe handling of paints and solvents, and guidelines from MSDS and OSHA standards.

The session concluded with a Vote of Thanks delivered by Dr. R. Abirami, Assistant Professor II, Department of Civil Engineering, AVIT. In her address, she expressed sincere gratitude to the management of AVIT, the Principal, and the Vice Principal (Academics) and Head of the Department for their continuous support in organizing the Faculty Development Program. She also extended heartfelt thanks to the esteemed resource persons, Mr. N. K. Bhatia and Mr. Gowri Shankar Mahalingam, Advisor, Paints and Coatings Skill Council, for sharing their knowledge and expertise with the participants. Dr.R. Abirami acknowledged the active participation of the faculty members and the efforts of the organizing committee, which collectively contributed to the grand success of the fourth and fifth day sessions of the FDP



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**DEPARTMENT OF CIVIL ENGINEERING**

**Event Brochure**



In association  
with

**PAINTS AND  
COATINGS  
SKILL COUNCIL**



*Cordially invites you all to the*

**Faculty Development Program in**

## **Paints and Coatings**

### **Resource Persons**



**Mr. Gowri Shankar Mahalingam**

Advisor  
Paints and Coatings Skill Council



**Mr. Naveen Bhatia**

### **Session 1:**

**Paints for Different Surfaces:**

Decorative/Industrial Coatings, Product Specs, Estimation

### **Session 2:**

**Application Techniques:**

Waterproofing, Floor Coatings, Role of Applicators

**Hands-on demo:**

Brush, Roller, Spray, Troubleshooting

### **Session 3:**

**Case study:**

Selecting Products for Surfaces, Cost Estimation

### **Session 4:**

**Practical Demonstration:**

Identifying Substrates, Finishes, and Q&A.



**28<sup>th</sup> August 2025**



**09:30 AM – 05:00 PM**



**Digital Room, AVIT**



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**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY  
Vinayaka Missions Chennai Campus



**SAS**  
SCHOOL OF ARTS AND SCIENCE  
Vinayaka Missions Chennai Campus

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with

**PAINTS AND  
COATINGS  
SKILL COUNCIL**



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## Faculty Development Program in Paints and Coatings

*Resource Persons*



**Mr. Jagadish Acharya**  
Chief Executive Officer  
Paints & Coating Skill Council



**Mr. Gowri Shankar Mahalingam**  
Advisor  
Paints and Coatings Skill Council



**Mr. Naveen Bhatia**



**Mr. Joseph Gerald Paul**  
Paint Specialist

### Session 1

**Troubleshooting & Complaint Handling:** Common Defects, Customer Interaction, Quality Assurance

### Session 2

**Economics, Basics of Colour & Technology and Recommendation Protocols:** Costing, Colour Theory, Technology in Paints, Recommendation Protocols

### Session 3

**Group activity:** Role-play for customer engagement, defect analysis

### Session 4

**Final assessment:** Practical test and theory quiz



**29th August 2025**



**09:30 AM – 05:00 PM**



**Digital Room, AVIT**



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As part of the formal proceedings, Dr. S. P. Sangeetha, Vice Principal (Academics), AVIT, felicitated the distinguished resource persons Mr. N. K. Bhatia and Mr. Gowri Shankar Mahalingam, Advisor, Paints and Coatings Skill Council. The felicitation was a token of appreciation for their insightful sessions and valuable contributions in enriching the Faculty Development Program.



The key focus areas of the two day were:

- Paint Systems & Specifications – Types of paints, datasheet interpretation, and product selection.
- Waterproofing, Floor Coatings & Texture Applications – Practical methods, surface preparation, and defect handling.
- Colour Technology & Quality Testing – Colour theory, gloss, adhesion, and dry film thickness testing.
- Health, Safety & Environmental Practices – PPE, MSDS, safe storage, and industry safety protocols.

## Event Photos





### Participant List

S. No.	Name of the Participant	Designation	Department
1	Mr.S.Kalyanakumar	Assistant Professor II	MECHANICAL
2	Dr.P.Kumaran	Assistant Professor II	MECHANICAL
3	Mr.S.Sathiyaraj	Assistant Professor II	MECHANICAL
4	Dr.Pa.Suriya	Assistant Professor II	CIVIL
5	Dr.R.Abirami	Assistant Professor II	CIVIL
6	Dr.P.Subathra	Assistant Professor II	CIVIL
7	Dr.K.Naveen Kumar	Assistant Professor II	CIVIL
8	Mrs.S.Monisha	Assistant Professor II	CIVIL
9	Dr.R.Nagalakshmi	Associate professor	CHEMISTRY
10	Dr. Padma priya	Associate professor	CHEMISTRY
11	Dr. Suganya	Assistant Professor	CHEMISTRY
12	Dr. Parvati Narayanan	Assistant Professor	CHEMISTRY