



Learn Beyond

**KPR Institute of Engineering and Technology**

(Autonomous, NAAC "A")

Avinashi Road, Arasur, Coimbatore.

**Phone:** 0422-2635600**Web:** kpriet.ac.in**Social:** kpriet.ac.in/social**IIF001****NBA Accredited**  
(CSE, ECE, EEE,  
MECH, CIVIL)**ADVANCEMENT IN FOUNDRY TECHNOLOGY**

<b>Event No</b>	IIF001
<b>Organizing Department</b>	Indian Institute of Foundrymen
<b>Associate Dept.   NSC</b>	Mechanical Engineering
<b>Date</b>	31/10/2022
<b>Time</b>	02:00 PM to 03:00 PM
<b>Event Type</b>	Club Activity
<b>Event Level</b>	Club Society
<b>Venue</b>	VEENA HALL
<b>Total Participants</b>	145
<b>Faculty - Internal</b>	5
<b>Students - Internal</b>	140

**Related SDG****Resource Persons**

Sl	Type	Name	Designation	Company	Email	Phone
1	Resource Person	Dr V S Saravanan	Junior Vice President	Indoshell Cast PVT LTD, Coimbatore	saravananvs@indoshellcast.com	xxxxxxxxxx

**Involved Staffs**

Sl	Name	Role
1	Bhuvaneswari V	Convenor

**Outcome**

Students came to know the Evolution of Casting Technology.

**Event Summary**

Dr.V.Saravanan, Junior Vice President from Indoshell Cast PVT LTD, Coimbatore handled a Seminar for our Second Year Mechanical "A" and "B" section students under the title of "Advancement in Foundry Technology" on October 31st, 2022. He initially starts with the Foundry and said how our country had an important role in the view of casting in earlier period. He also made the students to realize that how we are expecting other country for casting an intricate product even we were expert in that area. He also shared his views how now a days Non-Destructive Technique is involved to detect the casting defects. He also revealed that, Ultrasonic testing and radiography testing and Magnetic particle testing are most widely applied NDT technique in Coimbatore Casting Industries. He explained how level of automation take a part in Casting Industry with Videos. Necessity of Automation programming in Casting Industry was also discussed. Software's required to complete the design and development of Casting patterns and Mould also discussed. Role of Computational Fluid Dynamics - CFD is also discussed by an expert how the mould flow takes place during casting.

The following topics were discussed during the seminar.

1. About foundry
2. Role of Casting
3. Advancement in Casting Technology
4. Casting defects using NDT techniques.
5. Salient features of Magnetic particle testing and Ultrasonic testing.
6. Level of Automation in casting technology, with video.
7. Programming for automation in and around Coimbatore casting industries.
8. Solid modeling of mould cavity, Mould flow (Computational Fluid Dynamics-CFD).



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**Seminar on Advancement in Foundry Technology**

**Resource Person:**

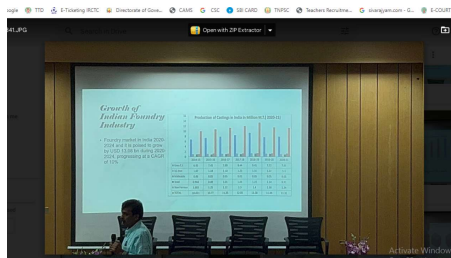
**Dr. V. S. Saravanan**  
 Junior Vice President  
 Indoshell Cast Pvt. Ltd.,  
 Coimbatore

**31 October 2022**  
 02:00 PM to 03:00 PM  
 Veena Hall

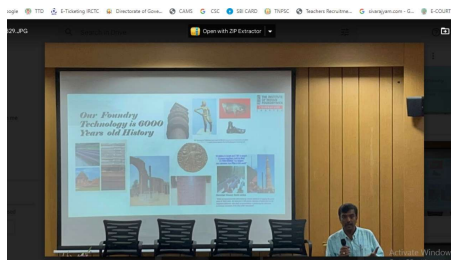
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