



GREAT DIE CASTING TECHNOLOGY FORUM

TWO DAYS TRAINING PROGRAMME ON

# Melting/Holding Furnaces, Fuels, Crucible Care, Molten Metal Treatment & Quality Assessment

22-23 April 2025 (Tue-Wed)

Time: 9.30 am to 5.30 p.m.

Venue : **Arkey Conference Hall**

'Guruprasad', 2nd Floor, 37/4/A, 6th Lane, Prabhat Road, Pune 411 004

## INTRODUCTION

This 2-days training programme is designed to arm you with knowledge required in facing future challenges in the Aluminium casting industry.

With the fast growing Indian Industry and the entry of Electric Vehicles, the Aluminium industry is experiencing a highly accelerated transformation never seen before. Casting customers (like OEMs) are expecting higher involvement from the casting suppliers (foundries); right from early stages of casting design, to achieving cost effective processes and production. Such involvement requires a deeper and upgraded knowledge. This training will provide you the edge needed in gaining new businesses. The key to success right now is good understanding of technology, process variables, process control and sound knowledge of metallurgy.

Small scale and medium scale Aluminium foundries usually experience a gap in the knowledge and often struggle to use proper technology to produce quality castings at competitive costs.

Keeping all this in mind, we have designed this training programme to increase your understanding of metallurgy and help you improve casting quality with consistency & competitiveness.

## CONTENTS

### Day 1

- Why Aluminium Alloys?
- Melting and Solidification behaviour
- Melting of Aluminium Alloys - Melting Furnaces, Fuels and Crucibles
- Crucible Care
- Holding Furnaces

### Day 2

- Molten metal treatment - Fluxing, Degassing, Refining and Modification
- Integrated molten metal treatment
- Quality Assessment and control of Aluminium Melting
- Advances in molten metal quality control

## WHO CAN PARTICIPATE?

- Engineers and managers working in Aluminium Casting Foundries – SAND, GDC, LPDC or HPDC - in various areas - Manufacturing, Methoding, NPD, Process Design, QA, purchase, etc.
- New entrants to foundries from the Middle or Senior management level.
- New generation entrepreneurs.
- Casting designers, QA persons in OEMs
- Vendor Development Engineers, Managers.

## GDC TECH FORUM

'Guruprasad', 1<sup>st</sup> Floor, 37/4/A, 6<sup>th</sup> Lane, Prabhat Road, Pune 411 004

Mobile: +91 97647 11315 | E-mail: [gdctech@arkeycell.com](mailto:gdctech@arkeycell.com), [arkeyconference@arkeycell.com](mailto:arkeyconference@arkeycell.com)



## QUIZ COMPETITION

22 April 2025

FREE REGISTRATION

Quiz Time  
2.00pm to  
3.30pm

## COURSE FACULTIES



### R. V. Apshankar

Mr. R V Apshankar passed his engineering from IIT Kanpur in 1984. He completed his M Tech in Mechanical Engineering from IIT Bombay and specialized in the subject of Heat Transfer. Since 1993, he has been running the firm Energy Systech in Pune.

Mr. Apshankar specializes in the subject of Energy Conservation in furnaces and is an expert in product building. The Electrical and Fuel-fired Furnaces developed by Mr Apshankar are known in the market for their efficiency and reliability. The present focus of Energy Systech is on service to the Aluminium casting industry through furnaces for melting and holding and for Heat Treatment of castings. Energy Systech also makes Melt Treatment equipment like Rotary Degassing and Density Index Unit.



### Shrikant Bhat

Head Non-Ferrous Foundry, FOSECO INDIA, B.E.(Metallurgy), PGDM (Mktg)

Currently working as Head Non-Ferrous Foundry, FOSECO INDIA for India and the ASEAN countries. Looking after Sales, Marketing and development activities for Non- Ferrous Foundries and Crucibles.

Worked in Foundry Production, Process Control, Sales, Marketing and Product development departments for more than 30 Years in various capacities.

## Registration Fees

Category	Members	Non-Members
• Individual	Rs. 7,080.00	Rs. 7,788.00
• Corporate (3 delegates)	Rs. 19,116.00	Rs. 21,028.00

Inclusive of GST

Delegate Fees includes Course Material, Tea & Lunch etc. during the program.

## RTGS / NEFT details

Account Name : Great Diecasting Technology Forum  
Bank Name : UCO Bank  
Branch Name : Deccan Gymkhana Branch  
Account No. : 06870210002889  
IFSC Code : UCBA0000687  
MICR : 411028009  
Type of A/c : Current  
Payment to be made in favor of 'Great Diecasting Technology Forum' payable at Pune.

We encourage & invite case studies/questions/issues concerning your organisation beforehand for discussion. No issue is too big or too small!

Please send your registration form and payment details by email.