



GDCTECH 2023

International Conference & Exhibition on

Aluminium Diecasting Industry

1st, 2nd, 3rd December 2023

(Friday to Sunday)

ORGANISED BY



GREAT DIECASTING TECHNOLOGY FORUM



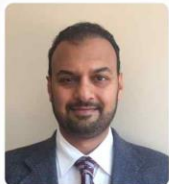
Venue
Chennai Trade Centre
Chennai, India

CONCURRENT EVENT



FORGING 2023

APPEAL



Dr. Aniruddha Karve

Managing Director, Molten Metal Systems
Morgan Advanced Materials Plc.

Dear Friends,

I am pleased to inform you that the preparations for GDC TECH 2023 (to be held at Chennai in December 2023) are progressing at an encouraging pace. The theme of this year's international technical conference is "PREPARING FOR THE NEXT..." and there will be many excellent presentations by industry experts and a few project presentations from the GDC Tech Members that you can look forward to.

There is also the accompanying Mega Exhibition –Showcasing "Materials and Manufacturing Technology", where the aluminium casting industry and its supply chain will have large participation. You will witness the Best Casting Competitions and an exciting and our usually very lively Quiz Competition. I firmly believe this will be of great value to all participants.

Bouncing back from the tough years the industry finds itself with a choice of a number of global and domestic opportunities to grow and flourish in the coming years. However, the right combination of technologies and approaches are essential to ensure success in this dynamic environment and to reach international market. Attending the conference and exhibition this year will assuredly set up the industry with the knowledge of the NEXT generation of tools in all areas for its continued success.

So, on behalf of GDC TECH organising committee, I invite you all to participate in this MEGA EVENT in Dec 2023 in Chennai. I look forward to seeing you 1st, 2nd and 3rd December 2023, at the Chennai Trade Centre. Let us work together to make this a GRAND EVENT!

With Best Regards,

Dr. Aniruddha Karve
Chairman, Technical Committee
GDC Tech 2023

OFFICE BEARERS

President

Sanjay Mathur

Former VP Foundry India & ASEAN,
Managing Director, Foseco India Ltd
Managing Partner, Antal International and
Suneer Enterprises, Partner Smartco Advisory LLP

Vice President

Anil S. Kulkarni

CMD
Pooja Castings Pvt. Ltd

Vice President

R. T. Kulkarni

Director
Arkey Conference &
Engineering Services

Hon. Secretary

Aniruddha V. Inamdar

Consultant

Hon. Treasurer

R. V. Apshankar

Director
Energy Systech

Imm. Past President

Dr. Aniruddha Karve

Managing Director
Molten Metal Systems
Morgan Advanced Materials Plc.

GDCTECH EXECUTIVE COMMITTEE

Chairman - Exhibition Committee

Editor - GDCTECH Journal

Anand Joshi

Consultant - Aluminium Extrusion & Non-Ferrous Foundry

Chairman - Reception committee

D. K. Sharma

Consultant
Former Executive Vice President, GODREJ & BOYCE MFG.CO.LTD.
Former President TAGMA (India)

Chairman - Buyer-Seller Meet

Shekhar Dravid

Head-Business Transformation,
POOJA CASTINGS PVT. LTD.

Chairman - Promotion Committee

Jitendra Lakhota

Chief Executive Officer
AAKAR FOUNDRY PVT. LTD.

Chairman - Best Design Competition

Co-Chairman -Tech. Paper Committee

Rajesh R. Aggarwal

Director-TECHSENSE ENGINEERING SERVICES

Chairman - Solution Centre

Shrikant A. Bhat

Head Non-Ferrous Foundry-FOSECO INDIA
LIMITED

Chairman - Quiz Competition

Pramod B. Gajare

Quality Consultant

Chairman - Best Casting Committee

Kedar Sathaye

CEO, Founder - AAYAS PERITI

Ramdas Chitalkar

Deputy General Manager - Technology-
MORGANITE CRUCIBLE INDIA LTD

Kishor Dukare

Vice President (2W Alloy Wheel Div) - MINDA
INDUSTRIES LTD.

Chairman - Training Programme

Madhav Athavale

Consultant

CHIEF GUEST - CONFERENCE INAUGURATION

Mr. Ganesh Mani

Chief of Operation (COO)
ASHOK LEYLAND LTD.

CHIEF GUEST - EXHIBITION INAUGURATION

Dr. Shankar Venugopal

Vice President & Head Technology
MAHINDRA & MAHINDRA

KEYNOTE SPEAKER

Mr. S. Ravi

Chairman & Managing Director
CRAFTSMAN AUTOMATION LTD.

Technical Papers GDCTECH 2023

Deliver defect free die casting tool cross leveraging ML & Physics based process simulation.

Shibashis Ghosh, Technical Specialist,
ALTAIR ENGINEERING INDIA PVT. LTD.

Low Cost, In-house R & D Innovation Culture – Creating Knowledge Centre

M. S. Shankar, Sr. Director - Technology & Innovation,
ANAND AUTOMOTIVE (P) LTD.

3D Component – Tomography (NDT & 3D Xray)

P. Venkatesh, Solution Design Manager (X Ray Systems),
BLUE STAR ENGINEERING & ELECTRONICS LTD.

ECO systems, Co2 Foot prints and Sustainability (Green Foundry concept)

S. Sundaresan, Senior Vice President - Operations & Technical,
BRAKES INDIA LTD., Foundry Division

High Speed Milling Concepts with Dry Milling

Vikram Baliga, Manager Marketing,
BROTHER MACHINERY INDIA PVT. LTD.

Cost Effective Body in White Production with Large Di-Casting Cells

Kedar Vaidya, Head of Advanced Materials, South Asia,
BUHLER (INDIA) PVT. LTD.

Flexible At-line to High Speed in-line X-ray Inspection Solution for Casting and Forging Industry

Rohan Tonde, Marketing Manager- Industrial Quality Solutions,
CARL ZEISS INDIA PVT. LTD.

Innovations and Advancement in Toggle Free (2-Platen) Technology Machines for Higher Productivity, Quality, Sustainability and Digitization in the Diecast Industry

Rajeswar Roy, DGM-HPDC & Thermal Sales (India & ME),
DISA INDIA LIMITED

SMARTT –An Innovative Process Control For Rotary Degassing of Aluminium Alloys

Shrikant A. Bhat, Head Non-Ferrous Foundry,
FOSECO INDIA LIMITED

Furan Hot Box as Alternate to Shell Coated Sand for Ease of Decoring, Increased Productivity and Improved Overall Economy for Aluminium Castings

D. Ghosh, Director (Technical),
FORACE POLYMERS P LTD.

Yield Improvement in Diecasting Industry

Tushar Vishnudas Shah, Head Die Casting Engineering, Asst. General manager
GODREJ & BOYCE MFG. CO. LTD.

Long-lasting die coatings for gravity & low pressure die casting

Andrew Tagg, Technical Manager
JOHN WINTER & CO LTD

EV & Die casting Industry-EV Market Reality Check (EV v/s Hybrid)

Abhijeet Ranade, Partner,
KPMGA

Innovative Product Design and Robust Process Layout in Die Casting with Autonomous Engineering

Dileep Mohan, Manager, Non- Ferrous Applications,
MAGMA ENGINEERING INDIA PVT LTD

Innovative Vacuum Dosing Technology for Sustainable Mega & Giga Foundries

Roger Rapp, Managing Director,
MELTEC INDUSTRIE OFENBAU GMBH

Cost Effective Products for Aluminium Foundry

Gokul Ramanujam, Sr. Manager- Application Support
MORGANITE CRUCIBLE INDIA LTD

State of Die Casting in North America

Paul Brancalion, Director of Research, Education & Technology, NADCA

Adoption Challenges of 3D Printing and Need for DFAM to Assess Fit for Use.

Dr. Guruprasad Rao, Professor & Dean,
NMINS - SCHOOL OF DESIGN

Investment Casting – a new era in manufacturing aluminium cast parts

Lalit Pahwa, Managing Director & CEO,
PAHWA METALTECH PVT. LTD.

Enhance Reliability of Die Casting Machines by Using New Types of Fire Resistant Lubricants

Kirity Kumar, Segment Manager - Operation Fluids,
QUAKER HOUGHTON

Investigation of A Patented Technology Based on Ultrasonic Treatment for Aluminum Alloys Casting

Dr. Kedar Bhojak, Director R & D,
REDSHIFT ENGINEERS LLP

Die-casting 4.0 – A Case Study on How Die-casting-operations Can Benefit From Computer Aided Production and Resource Planning and Controlling From Inquiry to Dispatch All on One Standard Platform

Christian Kleeberg, Managing Partner,
RGU AISA PTE. LTD.

Energy & Waste Reduction

Rahul Prajapat, Founder/Managing Director, TVARIT GMBH



Delegate Registration Fees

Category	Member	Non-Member	Lady Engineer	Student/Professor
Individual	Rs. 11,800	Rs. 13,570	Rs. 8,260	Rs. 8,260
	\$ 200	\$ 230		
Corporate (3 delegates)	Rs. 31,860	Rs. 36,639	Rs. 22,300	-
	\$ 540	\$ 620		

Inclusive G.S.T.

Payment in favour of "Great Diecasting Technology Forum" payable at Pune.

Delegate Registration Fee Include

- Delegate Bag, Pen, Pad, Technical Volume, One gala dinner, 3 Lunches & Tea's
- Exhibition entry

Non-Member delegates have a privilege of free individual membership for One year (2023-2024)

Registered delegates can attend papers of any of the two conferences and free Exhibition entry.

TECHNICAL VOLUME / EXHIBITORS' CATALOGUE: ADVERTISEMENT TARIFF

A technical volume is being released on the occasion, containing Technical Papers written by experts. Tariff for advertisement in the Technical Volume is as given below :

Position	Size (cm.)	Type	Rate (Rs)	US(\$)
Front Inside (Technical volume)	17 x 24	Multicolour	11,800.00	220
Full Page Colour (Technical volume)	17 x 24	Multicolour	8,850.00	165
Full Page Colour (Exhibitor's Catalogue)	11.5 x 15.5	Multicolour	8,850.00	165

Inclusive of G.S.T.

- * For colour advertisement, material should be in suitable formats like CorelDraw (Open file), PDF (for Press), JPEG or TIFF (high resolution).
- * The size of the advertisement should not be more than specified size. Last date for receiving the advertisement is **15 Oct 2023**

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

Remittance Instructions: USD (\$)

Name of the Bank : Wells Fargo New York, USA.
 Swift : P.N.B.P.U.S. 3 N.N.Y.C.
 A/c No. : 2000191060245 (UCO)
 Beneficiary Bank Details : UCO BANK, Pimpri MCU branch, Pune
 Beneficiary Bank Swift : UCBAINBB024 (Ninth digit is zero)
 Beneficiary's Account No. : 06870210002889
 Beneficiary Name & Address: GREAT DIECASTING TECHNOLOGY FORUM

Panel Discussions

I – NEXT FOR MSME FOUNDRIES

II – Key capabilities for developing export markets competing globally – Branding, Quality, Marketing, Buyers, Safety.

III – Human Resource & Skill Development

DELEGATES PROFILE

- Casting Manufacturers
- Die Manufacturers & Suppliers
- Manufacturers/Suppliers of Machines
 - Furnaces melting & Heat Treatment
 - Auxiliary Equipments
 - Alloy, Master Alloys, Metal, Diesteel & Crucibles
 - Metal Treatment consumables
 - Coatings & Lubricants
- Consultants
- Service Providers - Software, QC Inspection
- R & D Organisations
- Buyers and Sourcing Agents
- Entrepreneurs
- Senior Managers from Corporate Sectors/MSME

Media

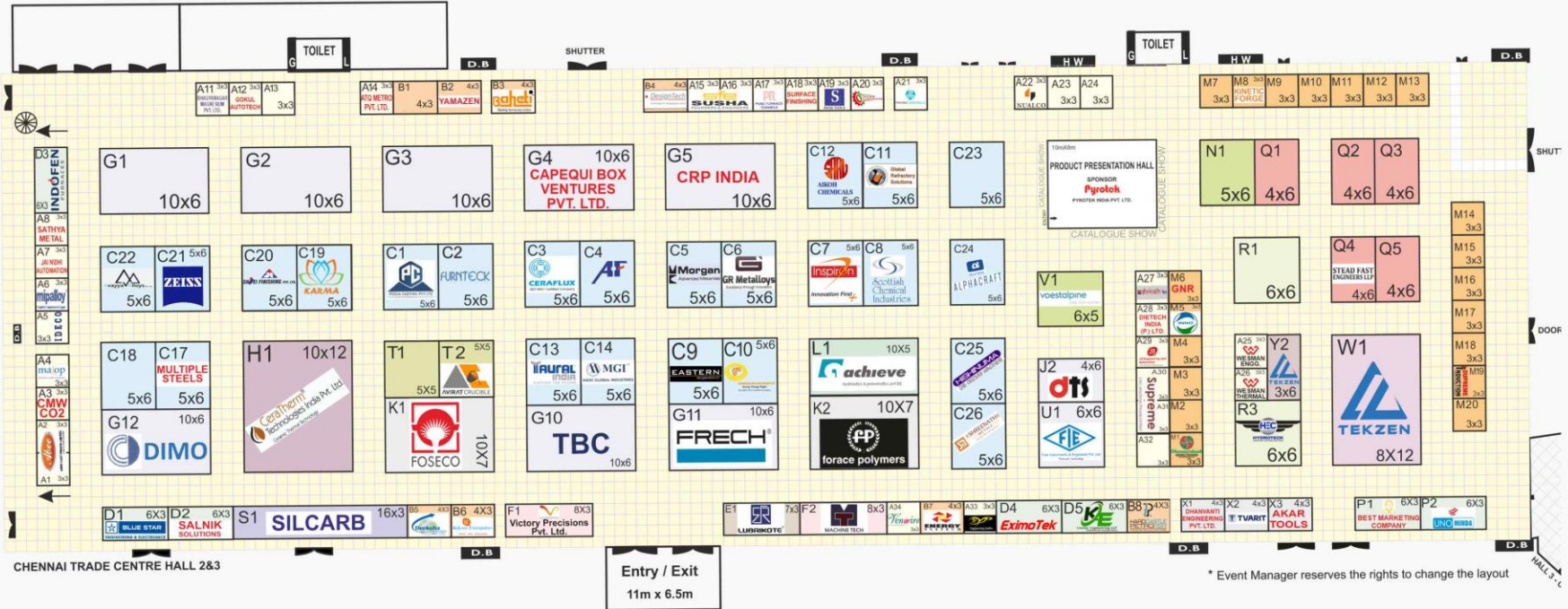


Associate Association



EXHIBITION LAYOUT AT CHENNAI TRADE CENTRE

GDCTECH 2023 - 1st, 2nd, 3rd December 2023 (Friday to Sunday)



Exhibition Tariff

Stall Type	Member		Non - Member	
	Rate in ₹ Per Sq. mtr.	Rate in USD Per Sq. mtr.	Rate in ₹ Per Sq. mtr.	Rate in USD Per Sq. mtr.
Constructed Stall	9,500.00	160	10,000.00	170
Open Space	9,000.00	152	9500.00	160

+ 18% GST on all above tariff

* For 2 side open 10% extra on tariff

Pay 50% advance & Select your preferred Prime location

VISITORS PROFILE

1. Foundry Owners, Entrepreneurs, CEOs
2. New Projects, Startups Personnel
3. Professionals from Aluminium Casting and Related industries Senior Executives, Managers, Engineers from

- Various areas – Manufacturing, Quality, Purchase, Marketing, Die shop, Maintenance, R & D.
4. Casting Buyers
5. R & D Personnel, Academia

STALL DETAILS : - GDCTECH 2023

TYPE	STALL AREA	STALL SIZE (mtr)	STALL	TOTAL STALL	FOR CONSTRUCTED STALL FACILITIES
A	9 sqm	3 x 3	A1 to A8 A11 to A24 A27 to A34	30	1 Table, 2 Chairs, 3 Spotlights, 1 Plug Point, Fascia, Carpet, 1 Dustbin
B	12 sqm	4 x 3	B1 to B8	08	1 Table, 2 Chairs, 3 Spotlights, 1 Plug Point, Fascia, Carpet, 1 Dustbin
C	30 sqm	5 x 6	C1 to C14 C17 to C24	24	Open Space
D	18 sqm	6 x 3	D1 to D5	05	2 Tables, 4 Chairs, 6 Spotlights, 2 Plug Points, Fascia, Carpet, 1 Dustbin
E	21 sqm	7 x 3	E1	01	2 Tables, 4 Chairs, 7 Spotlights, 2 Plug Points, Fascia, Carpet, 1 Dustbin
F	24 sqm	8 x 3	F1 to F2	02	2 Tables, 4 Chairs, 8 Spotlights, 2 Plug Points, Fascia, Carpet, 1 Dustbin
T	25 sqm	5 x 5	T1 to T2	02	Open Space
G	60 sqm	10 x 6	G1 to G5 G10 to G12	08	Open Space
K	70 sqm	10 x 7	K1 to K2	02	Open Space
L	50 sqm	10 x 5	L1	01	Open Space
H	90 sqm	10 x 12	H 1	01	Open Space
J	60 sqm	6 x 10	J2	01	Open Space
V	30 sqm	6 x 5	V1	01	Open Space
S	48 sqm	16 x 3	S1	01	4 Tables, 6 Chairs, 12 Spotlights, 4 Plug Points, Fascia, Carpet, 1 Dustbin
U	36 sqm	6 x 6	U1	01	Open Space
	Total			88	

Exhibitors Profile

All Industries related to Aluminium Casting Technology HPDC/LPDC/GDC

A. Manufacturers, suppliers and Technology providers for

- HPDC, LPDC and GDC- Machines and Peripherals
- Furnaces – Melting, Holding, Heat Treatment.
- Die Steels
- Consumables-Crucibles, Sensors, Metal Treatment, Lubricants and Die Coatings, Cores
- 3D Printing.
- Post Casting - Fettling, Shot Blasting, Machining, Impregnation, Powder Coating
- Anodising, Plating
- Simulation
- Rapid Prototyping
- Testing & Measuring – Material Characterisation, Melt Quality, Leakage, Dimensions...etc.

B. Automation

C. Die Manufacturers

D. Aluminium Casting Manufacturers - GDC/LPDC/HPDC

E. Aluminium Casting Alloys, Master Alloys, Scrap - Manufacturers/Suppliers

F. Labs, R & D Institutions

G. Buyers of casting

Product Presentation Facility in the Exhibition Area

Exhibitors/Sponsors/any other company can avail this facility on chargeable basis. You may invite your customers, suppliers for your presentation

Hall capacity 30 seaters

Tea and Water arrangement

Projector & Laptop available

Charges : Rs. 15000/- per hour +18% GST

Limited Slots available

PLEASE BOOK YOUR SLOT (Latest by 30th Oct. 2023)



**Entry to Presentation
is free for
Exhibitors/Delegates/
Invitees/Visitors**

PROJECT COMPETITION :

Award Sponsored by

Rajnarayan Bagla Award
for Best Innovative Project

In Today's Globalised and highly competitive environment "Keep improving" is the essential route to survival and success. Foundries will need enthusiastic, imaginative and systematic people to achieve the goal of 'continuous improvement'. Competition encourages people to further work in areas such as productivity improvement, cost reduction, energy saving and quality

improvement, to name a few. GDC TECH Forum believes that the project competition will help in developing good foundry people who will contribute significantly to the well-being of the companies.
Few Best Projects will be presented during the three days conference.

This award has been sponsored by OMR BAGLA

BEST CASTING AWARD :

Award Sponsored by

AAKAR FOUNDRY PVT. LTD.

GDC TECH has a motto to motivate the die casting industry to improve their systems and processes which lead to significant enhancement of performance parameters such as quality, cost, delivery and development. As a part of this motto

BEST DIE CASTING AWARD OF THE YEAR has been instituted.

Visit Casting Display Pavilion in the Exhibition.

This award has been sponsored by AAKAR FOUNDRY PVT. LTD.

QUIZ COMPETITION :

Award Sponsored by

Sigma Electric Manufacturing
Corporation Pvt. Ltd.

The competition was meant for shop floor supervisors and will test their knowledge of basic foundry engineering and processes. So far through out the year we have conducted Quiz in Pune, Coimbatore, Delhi, Chennai, Aurangabad & Ahmedabad.

Winner teams will participate in final during the

Annual conference on GDCTECH 2023.

The winner will get a certificate and Trophy.

This award has been sponsored by SIGMA ELECTRIC MANUFACTURING CORPORATION PVT. LTD.

BEST DESIGN COMPETITION :

Award Sponsored by

VULKAN TECHNOLOGIES PVT. LTD.

The Casting Design Competition will be held in the month of October for Design Engineers.

Awards will be announced for best two entries in

each category. **This award has been sponsored by VULKAN TECHNOLOGIES PVT. LTD.**

BUYER SELLER MEET :

GDCTECH is organising Buyer-Seller Meet during this Mega Event on 1st December. Presentation session will be in the afternoon. on 2nd Dec. B2B meeting will be organised for registered companies on chargeable basis. Interested companies may contact us : gdctech@arkeycell.com

STUDENT'S DAY :

On 3rd December 2023 Engineering Students from Colleges /Institutes Students will visit the Exhibition. Presentation on "Opportunities in Foundry Industry" will be organised.

PATRON



SUPPORTERS



Managed by



**ARKEY CONFERENCE &
ENGINEERING SERVICES
PUNE**

arkeyconference@arkeycell.com

Service Providers



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Logistic Partner



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E-mail: sanjayk@orienttm.com
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Pune Office, Cell No. : +91 9890974142
E-mail: romesh@orientwarehousing.com

Venue Details



Chennai Trade Centre - Chennai, India
Tamilnadu Trade Promotion Organisation
Nandambakkam, Chennai - 600 089, India
Tel : 044 - 22316033 Fax : 044 - 22313555
E-mail : tntpo@yahoo.co.in

GDCTECH 2023 - Conference Programme (Convention Center Hall A)

Day 1: 1st December 2023

08.30 - 09.00 Hrs : **Registration**
09.00 - 10.30 Hrs : **Inauguration**
10.30 - 11.00 Hrs : **TEA BREAK**
11.00 - 12.45 Hrs : **SESSION I**
12.45 - 13.45 Hrs : **LUNCH**
13.45 - 15.45 Hrs : **Project
Presentation**
15.45 - 16.15 Hrs : **TEA BREAK**
16.15 - 17.25 Hrs : **SESSION II**
17.25 - 18.25 Hrs : **Panel Discussion**
18.25 - 20.00 Hrs : **Quiz Competition**
20.00 Hrs Onwards : **Cocktails &
Dinner**

Day 2: 2nd December 2023

09.00 - 10.45 Hrs : **SESSION III**
10.45 - 11.05 Hrs : **TEA BREAK**
11.05 - 12.15 Hrs : **SESSION IV**
12.15 - 13.15 Hrs : **Panel Discussion**
13.15 - 14.15 Hrs : **LUNCH**
14.15 - 16.00 Hrs : **SESSION V**
16.00 - 16.15 Hrs : **TEA BREAK**
16.15 - 18.00 Hrs : **Project
Presentation**

Day 3: 3rd December 2023

09.00 - 10.45 Hrs : **SESSION VI**
10.45 - 11.00 Hrs : **TEA BREAK**
11.00 - 12.10 Hrs : **SESSION VII**
12.10 - 13.10 Hrs : **Panel
Discussion**
13.10 - 14.00 Hrs : **LUNCH BREAK**
14.00 - 16.20 Hrs : **SESSION VIII**
16.20 - 17.00 Hrs : **Valedictory**
17.00 Hrs Onwards : **Farewell Tea**

* Schedule subject to change

For Details Contact



GREAT DIECASTING TECHNOLOGY FORUM

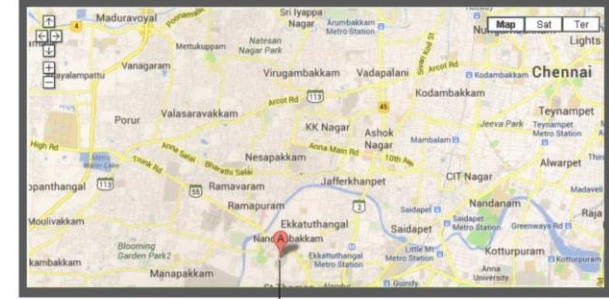
'Guruprasad', 1st Floor, 37/4/A, 6th Lane, Prabhat Road,
Pune 411 004, INDIA

Tel: +91 20 2567 0808 | Mobile: +91 9764711315

gdctech@arkeycell.com, arkeyconference@arkeycell.com



www.gdctechforum.com



→ Chennai Trade Centre

GDCTECH ZONAL OFFICES

Zonal Convenor

➤ **Ahmedabad**
Rajesh Sampat
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rajeshsampath@inspiron.co.in

Zonal Convenor

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Zonal Convenor

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Zonal Convenor

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