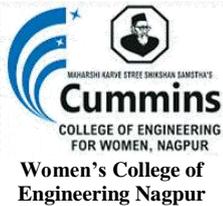


Chapter News Letter



Gogte Institute of Technology Belagavi



Women's College of Engineering Nagpur



PVG College of Engineering Pune



D Y Patil, College of Engineering, Akurdi



Government Polytechnic Nagpur

ASM Pune Chapter: Fostering Materials Knowledge for Student Community

The ASM Pune International Chapter plays a pivotal role in advancing materials science education and fostering professional growth among students. By organizing a variety of seminars, workshops, technical talks, and industry visits, the chapter bridges the gap between academic learning and real-world applications. Students gain hands-on experience with advanced materials, manufacturing processes, and emerging technologies such as additive manufacturing, nanomaterials, and smart alloys.

Through collaborations with leading industries and research institutions, the chapter offers students exposure to practical challenges and innovative solutions in materials engineering. Regular interactions with professionals and researchers help students understand industry expectations, current trends, and career opportunities in the field.

In addition, the ASM Pune Chapter encourages student participation in technical competitions, research projects, and internships, enhancing both their technical and soft skills. The mentorship and guidance provided by experienced members promote critical thinking, innovation, and leadership qualities in aspiring engineers.

Overall, the ASM Pune Chapter serves as a dynamic platform for students to grow intellectually, professionally, and socially, contributing significantly to their holistic development and preparing them for successful careers in materials science and engineering.



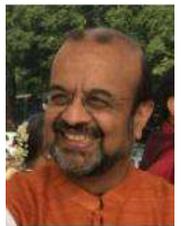
Mr. Rahul Gupta



Rutha Barve



D. G. Chivate



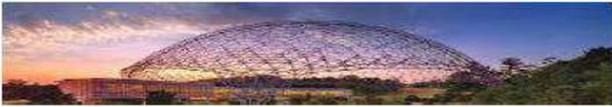
Hemant Zaveri



Dr. Kruthika Apshankar-Kher



Dr. Mahesh A Kori



TECHNICAL ARTICLE

“Applications of Inconel Materials in Valves”

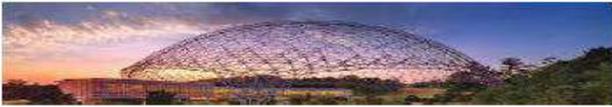


Mr. Ketan Kavalekar
Marketing Executive
Belgaum Aqua Valves Pvt. Ltd.
Belagavi, Karnataka

INCONEL 625

INCONEL® nickel-chromium alloy 625 (UNS N06625/W.Nr. 2.4856) is used for its high strength, excellent fabricability (including joining), and outstanding corrosion resistance. Service temperatures range from cryogenic to 1800°F (982°C). Composition is shown in Table 1. The strength of INCONEL alloy 625 is derived from the stiffening effect of molybdenum and niobium on its nickel-chromium matrix; thus, precipitation hardening treatments are not required. This combination of elements is also responsible for superior resistance to a wide range of corrosive environments of unusual severity, as well as to high-temperature effects such as oxidation and carburization.

The properties of INCONEL alloy 625 that make it an excellent choice for oil & gas, sea-water applications are freedom from local attack (pitting and crevice corrosion), high corrosion-fatigue strength, high tensile strength, and resistance to chloride-ion stress-corrosion cracking. It is used as wire rope for mooring cables, propeller blades for motor patrol gunboats, submarine auxiliary propulsion motors, submarine quick disconnect fittings, exhaust ducts for Navy utility boats, sheathing for undersea communication cables, submarine transducer controls, and steam-line bellows. Potential applications are springs, seals, bellows for submerged controls, electrical cable connectors, fasteners, flexure devices, and oceanographic instrument components. High tensile, creep, and rupture strength; outstanding fatigue and thermal-fatigue strength; oxidation resistance; and excellent weldability and brazeability are the properties of INCONEL alloy 625 that make it interesting to the aerospace field. It is being used in such applications as aircraft ducting systems, engine exhaust systems, thrust-reverser systems, resistance welded honeycomb structures for housing engine controls, fuel and hydraulic line tubing, spray bars, bellows, turbine shroud rings, and heat-exchanger tubing in environmental control systems. It is also suitable for combustion system transition liners, turbine seals, compressor vanes, and thrust-chamber tubing for rocket



The high alloy content of INCONEL alloy 625 enables it to withstand a wide variety of severe corrosive environments. In mild environments such as the atmosphere, fresh and sea water, neutral salts, and alkaline media there is almost no attack. In more severe corrosive environments, the combination of nickel and chromium provides resistance to oxidizing chemicals, whereas the high nickel and molybdenum contents supply resistance to non-oxidizing environments.

The high molybdenum content also makes this alloy very resistant to pitting and crevice corrosion, and niobium acts to stabilize the alloy against sensitization during welding, thereby preventing subsequent inter granular cracking. Also, the high nickel content provides freedom from chloride ion stress- corrosion cracking.

This combination of characteristics makes INCONEL alloy 625 useful over a broad spectrum of corrosive conditions. For instance, as for valves, it has been recommended as a material of construction for valve body and internal trim parts to handle chemicals, petro chemicals, including hydrochloric and nitric acids – chemicals which represent directly opposite types of corrosion problems. Materials which resist either one of these acids are normally severely attacked by the other.

INCONEL Alloy 625 has good resistance to oxidation and scaling at high temperature. Its performance in an extremely severe test is shown in comparison with that of other materials in During the test, periodic weight-loss determinations indicate the ability of the alloy to retain a protective oxide coating under drastic cyclic conditions 1800°F is a temperature at which scaling resistance becomes a significant factor in service.

The outstanding and versatile corrosion resistance of INCONEL alloy 625 under a wide range of temperatures and pressures is a primary reason for its wide acceptance in the chemical processing field. Because of its ease of fabrication, it is made into a variety of components for plant equipment. Its high strength enables it to be used, for example, in thinner-walled vessels or tubing than possible with other materials, thus improving heat transfer and saving weight. Some applications requiring the combination of strength and corrosion resistance offered by INCONEL alloy 625 are bubble caps, tubing, reaction vessels, distillation columns, heat exchangers, transfer piping, and wide spectrum of valves.

Typically, Valves used for extreme conditions where the isolation safety of the line media is mandatory such as integral double isolation double block and bleed ball valves (IDIDBB BV) are the commercial next generation in critical media isolation and high operational life application keeping the safety integrity bar of the total integration of skids and pipelines higher. The everyday engineering development in terms of design with respect to this super alloy used in this particular category of valves is consistently greater performing ability and fail safe operation. These valves made of Inconel 625 grade are mainly used in offshore oil and gas drilling platforms as well as the downstream applications of the deep extracted media from ground. The application is not just limited to offshore



applications but also in instrumentation skids where the collective counterpart also make use of this exotic alloyed components.

The major part of the IDIDBB BV is its exterior body which houses all the trim material components, and hence being a pressure-containing component of the total valve. But is not limited to just the housing, and also the interior trim components being the ball and stem. The ball is the heart of the valve. Hence it is prone to manufacture the ball in Inconel 625 material grade due to its excellent properties. Mainly the components are manufactured in 625 grade is due to its following physical constants and thermal properties.

Some physical constants and thermal properties of INCONEL alloy 625 are shown in Tables 2 and 3. Low temperature thermal expansion, based on measurements made by the National Bureau of Standards, is shown in Figure 1. Elevated-temperature modulus of elasticity data is given in Table 4.

Table 1 – Limiting Chemical Composition, %

Sl.	Content	Composition %	Limit
1	Nickel	58	Min
2	chromium	20.0-23.0	
3	Iron	5.0	Max
4	Molybdenum	8.0-10.0	
5	Niobium (plus tantalum)	3.15-4.15	
6	Carbon	0.10	Max
7	Manganese	0.50	Max
8	Silicon	0.50	Max
9	Phosphorous	0.015	Max
10	Sulfur	0.015	Max
11	Aluminum	0.40	Max
12	Titanium	0.40	Max
13	Cobalta	1.0	

Figure 1. Thermal expansion at low temperatures

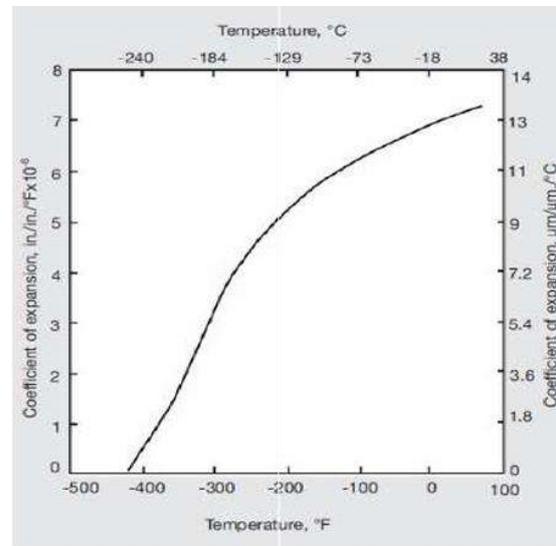
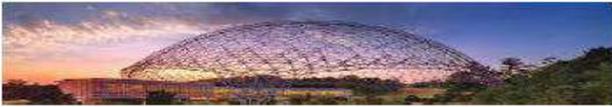


Table 2 – physical constants

Density, gram/cc.....	8.44
Melting Range, °C.....	1290-1350
Specific Heat, Btu / lb°F (J/kg°C)	
0°F(18°C).....	0.096 (402)
200°F (93°C).....	0.102 (427)
400°F (204°C).....	0.109 (456)
600°F (316°C).....	0.115 (481)
800°F (427°C).....	0.122 (511)
1000°F (538°C).....	0.128 (536)
1200°F (649°C).....	0.135 (565)
1400°F (760°C).....	0.141 (590)
1600°F (871°C).....	0.148 (620)
1800°F (982°C).....	0.154 (645)
2000°F (1093°C).....	0.160 (670)
Permeability at 200 Oersted (15.9 kA/m).....	1.0006
Curie Temperature, °F.....	<-320


Table 3 – modulus at elevated temperatures

Temp °C	Mean Linear Expansion ^a μm/μm•°C	Thermal Conductivity ^{b,c} W/m•°C	Electrical Resistivity ^c μΩ-cm
-157	-	7.2	-
-129	-	7.5	-
-73	-	8.4	-
-18	-	9.2	-
21	-	9.8	129
38	-	10.1	130
3	12.8	10.8	132
204	13.1	12.5	134
316	13.3	14.1	135
427	13.7	15.7	136
538	14.0	17.5	138
649	14.8	19.0	138
760	15.3	20.8	137
871	15.8	22.8	136
927	16.2	-	-
982	-	25.2	135
1093	-	-	134

Mechanical Properties

Nominal room-temperature mechanical properties of INCONEL alloy 625 are shown in Table 5. For service at 1200°F and below, hot- finished, cold-finished, and annealed conditions (depending on requirements involved) are recommended. For service above 1200°F, either annealed or solution-treated material will give best service. The solution-treated condition is recommended for components that require optimum resistance to creep or rupture. Fine-grained (annealed) material may be advantageous at temperatures up to 1500°F with respect to fatigue strength, hardness, and tensile and yield strength.

Table 4 – Nominal room temperature mechanical properties

Form and Condition	Tensile Strength		Yield Strength (0.2% Offset)		Elongation %	Reduction of Area %	Hardness, Brinell
	ksi	MPa	ksi	MPa			
ROD, BAR, PLATE							
As-Rolled	120-160	827-1103	60-110	414-758	60-30	60-40	175-240
Annealed	120-150	827-1034	60-95	414-655	60-30	60-40	145-220
Solution-Treated	105-130	724-896	42-60	290-414	65-40	90-60	116-194
SHEET & STRIP							
Annealed	120-150	827-1034	60-90	414-621	55-30	-	145-240
TUBE & PIPE, COLD-DRAWN							
Annealed	120-140	827-965	60-75	414-517	55-30	-	-
Solution-Treated	100-120	689-827	40-60	276-414	60-40	-	-



Tensile properties and hardness

Typical tensile properties of annealed and solution-treated material from room to elevated temperatures. The approximate relationship between the hardness and tensile, and yield strength of the strip. Increased tensile properties for service at moderate temperatures can be achieved by cold work. Upon exposure to intermediate temperatures, some hardening takes place in alloy 625. To demonstrate this reaction, samples of annealed rod were exposed to 1200°, 1400°, and 1600°F for 2000 hours. The effect of exposure on properties both at room temperature and at exposure temperature is shown in Table 5.

Table 5 – Effect of intermediate temperature exposures (2000 hr) properties of hot rolled annealed bar

Exposure Temperature, °F (°C)	Properties at Room Temperature					Properties at Exposure Temperature				
	Tensile Strength		Yield Strength (0.2%offset)		Elongation %	Tensile Strength		Yield Strength (0.2%offset)		Elongation, %
	ksi	MPa	ksi	MPa		ksi	MPa	ksi	MPa	
No Exposure	140.0	965.3	69.5	479.2	54	-	-	-	-	-
1200 (649)	176.0	1213.5	126.5	872.2	30	146.5	1010.1	106.5	734.3	54
1400 (760)	163.0	1123.8	107.0	737.7	26	84.8	584.7	79.0	544.7	62
1600 (871)	144.0	992.8	76.7	528.8	34	41.2	284.1	40.0	275.8	80

Ductility and toughness

INCONEL alloy 625 retains its excellent ductility and toughness allow temperature. Impact and tensile data to -320°F are shown in Table 6 as below.

Table 6 – low temperature impact strength of hot rolled as rolled plate (1/2 in thickness)

Test Temp,		Orientation	Impact Strength,	
°F	°C		ft•lb	J
85	29	Longitudinal	48,49,50	65,66,68
		Transverse	46,49,51.5	62,66,70
-110	-79	Longitudinal	39,44,49	53,57,60
		Transverse	39,42,44	53,57,60
-320	-196	Longitudinal	35,35,35.5	47,47,48
		Transverse	31,32,36	42,43,49

Specifications as per availability

INCONEL alloy is designated as UNS N06625, Werkstoff Number 2.4856 and ISO NW6625 and is listed in NACE MR-01-75. It is available in all standard mill forms, including rod, bar, wire, and wire rod, plate, sheet, strip, shapes, tubular products, and forging stock. Full information on available products may be obtained from the offices listed on the back cover.

Rod, Bar, Wire and Forging Stock-ASTM B446/ASME SB446 (Rod & Bar), ASTM B564/ASME SB564 (Forgings),



SAE/AMS 5666 (Bar, Forgings, & Rings), SAE/AMS 5837 (Wire), ISO 9723 (Rod & Bar), ISO9724 (Wire), ISO9725 (Forgings), VdTÜV499 (Rod & Bar), BS3076NA21 (Rod & Bar), EN10095 (Rod, Bar, & Sections),

DIN 17752 (Rod & Bar), ASME Code Case 1935 (Rod, Bar, & Forgings), DIN 17754 (forgings), DIN 17753 (Wire).

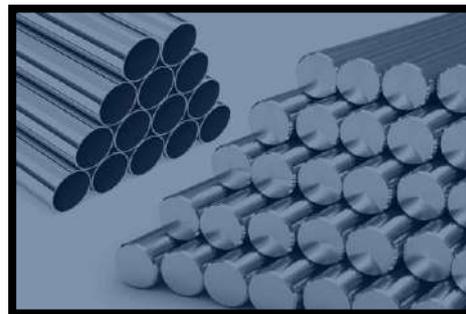
Plate, Sheet and Strip- ASTM B 443/ASTM SB 443 (Plate, Sheet & Strip), SAE/AMS 5599 & 5869 & MAM 5599 (Plate, Sheet & Strip), ISO 6208 (Plate, Sheet & Strip), VdTÜV 499 (Plate, Sheet & Strip), BS 3072NA21 (Plate & Sheet), EN 10095 (Plate, Sheet & Strip), DIN 17750 (Plate, Sheet & Strip), ASME Code Case 1935.

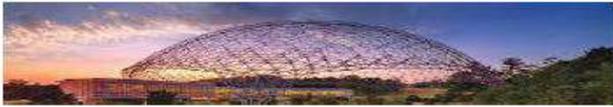
Pipe & Tube - ASTM B 444/B 829 & ASME SB 444/SB 829 (Seamless Pipe & Tube), ASTM B704/B 751 & ASME SB

704/SB 751 (Welded Tube), ASTM B705/B 775 & ASME SB 705/SB 775 (Welded Pipe), ISO 6207 (Tube), SAE/AMS 5581 (Seamless & Welded Tube), VdTÜV 499 (Tube), BS 3074NA21 (Seamless Pipe & Tube), DIN 17751 (Tube), ASME Code Case 1935.

Other Product Forms - ASTM B 366/ASME SB 366 (Fittings), ISO 4955A (Heat Resisting Steels & Alloys), DIN 17744 (Chemical composition of all product forms).

Applications of Inconel material in industries





ACTIVITIES OF GOGTE INSTITUTE OF TECHNOLOGY, ASM INTERNATIONAL PUNE CHAPTER

EXPERT TALK



GOGTE INSTITUTE OF TECHNOLOGY
Jhansi Ganega, Udyambag, Belagavi - 590008

DEPARTMENT OF MECHANICAL ENGINEERING

ASM INTERNATIONAL Club Charter

**ORGANISING
EXPERT TALK**

**AMAZING WORLD OF MATERIALS SCIENCE :
HEAT TREATMENT**

JOIN US

Monday
17 March, 2025

Time
11:00 AM - 12:00 PM

Coordinator
Dr. Mahesh A. Kori
ASM, Faculty Coordinator
Department of Mechanical Engineering

Shri. Sanjeev Inamadar
MD, PIP CNC Toolings Pvt. Ltd.,
Udyambag, Belagavi

The talk centred around the role of heat treatment in materials science, particularly focusing on its application in the engineering and manufacturing industries. The speaker discussed various types of heat treatment processes, their mechanisms, purposes, and effects on materials' microstructures and mechanical properties.

Topics Covered:

- Basic principles of heat treatment
- Phase diagrams and transformation curves
- Types of heat treatment: Annealing, Normalizing, Quenching, Tempering, Spheroidizing, Stress-relief annealing, and Recrystallization annealing
- Effects of heat treatment on steel and alloy microstructures
- Industrial applications and real-world case studies
- Quality control and testing post-heat treatment





TECHNICAL WORKSHOP



Karnatak Law Society's
GOGTE INSTITUTE OF TECHNOLOGY
Jrane Ganje, Udymbege, Belagavi-590008



DEPARTMENT OF MECHANICAL ENGINEERING

In Association with




Organising a state-level
5-DAY WORKSHOP
ON
NOVEL MATERIALS: ADVANCES AND APPLICATIONS IN
COMPOSITE MATERIALS TECHNOLOGIES
24th-28th March, 2025

Sessions by Experienced Speakers



Hands-on Training



Industrial Visits



Benefits of attending Workshop

- Technical Process Understanding.
- Live demonstration.
- Know-how of future opportunities and technologies.
- Skill development and hands-on training.
- Research Opportunities.

Who Can Participate

- UG and PG Students
- Research Scholars
- Faculty
- Industrialists

For Registration details Scan
(limited to 45 spaces on FSS)



[Click for Registration Link](#)

Dr. Mahesh. A. Kori
Coordinator
+91 90288 74765, maheshk@nitg.edu

Shri. Sanjeev Inamdar
MD, VEGA Aviation Products Pvt. Ltd.
ASM Member

Shri. Subhas Chandak
MD, Vega Aviation Products Pvt. Ltd.
MRO Partner

Dr. H. B. Kulkarni
MD, Mechanical

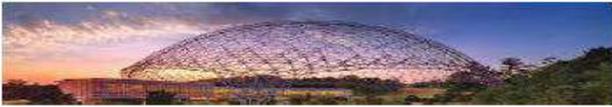
Dr. M. S. Patil
IC Principal

Shri. Rajendra Belgaumkar
Chairman, KSS IIT, IC (Engineering)

asm_Majr: gogte@nitg.edu

PROGRAM SCHEDULE			
	Session	Topics	Resource Person
Day 1, (24-03-25)	9.00 – 9.45 AM	Breakfast and Registration	--
	(10.00 - 11.30 AM)	Installation of ASM Club Charter and Inauguration of Workshop	--
	Session 1 (11.30 – 1.00 PM)	<ul style="list-style-type: none"> • Introduction to Novel Materials: Composite materials and scope of composite materials in the commercial world • Future scope/opportunities in Composite materials 	<i>Dr. Venkateswari Karodi</i> Senior Principal Scientist CSIR-NAL
	Session 2 (2.00 – 3.30 PM)	<ul style="list-style-type: none"> • Metal Matrix Composites: Evolution and Advances Over Four Decades • Insider Tips for Research Scholars: Unveiling Hidden Strategies for Publications and Projects 	<i>Shri. Dev Mirajkar,</i> Vega Aviation Products Pvt. Ltd.
Day 2, (25-03-25)	Session 1 (10.30 – 12.30 PM)	<ul style="list-style-type: none"> • Mechanical property enhancement of Al- Si alloys through Metal Matrix Composites (MMCs) 	<i>Dr. S. M. Jiginni</i> BEC, Bagalkot
	Session 2 (1.30 - 5.00 PM)	<ul style="list-style-type: none"> • Hands-on skill development process • Manufacturing of FMC, and MMC by Powder route method • Testing of Composites 	<i>Dr. Mahesh A. Kori</i> Gogte Institute of Technology
Day 3, (26-03-25)	Session 1 (10.30 – 12.30 PM)	<ul style="list-style-type: none"> • "Tribological Performance of Composite Materials" and its characterization 	<i>Dr. Mahesh A. Kori</i> Gogte Institute of Technology
	Session 2 (1.00 - 5.00 PM)	<ul style="list-style-type: none"> • Industrial Visit to VEGA Aviation Products Pvt Ltd. Demonstration of Injection Molding, Vacuum Moulding, and Compression molding 	<i>Shri. Dev Mirajkar,</i> <i>Shri. Vadang Chandak,</i> Industrial Visit to VAFL, Daur
Day 4, (27-03-25)	Session 1 (10.30 – 12.30 PM)	<ul style="list-style-type: none"> • Ceramic B₄ Composite particulate reinforced 6061 Al composite for the grain refinement of Al-Si Alloys 	<i>Dr. Virupaxi Auradi</i> SIT, Tumkur
	Session 2 (1.00 - 3.00 PM)	<ul style="list-style-type: none"> • Industrial visit to Vikas Composites (AutoNagar) 	<i>Shri. Arvind Kapadia</i> Industrial Visit to Vikas Composites
Day 5, (28-03-25)	Session 1 (10.30 – 12.30 PM)	<ul style="list-style-type: none"> • Innovative Novel Materials Shaping the 21st Century and future opportunities 	<i>Dr. Udayan Pathak</i> ASM International, Pune
	Session 2 (2.00 – 3.30 PM)	Valedictory function and high tea	--





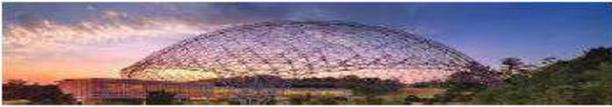
INDUSTRIAL VISIT



An industrial visit to **AKP Industries Pvt. Ltd.**, on 23rd April, 2025 a prominent foundry industry, was organized to provide students with practical exposure to modern casting processes. The visit offered insightful learning into the manufacturing of cast components used in automotive, agricultural, and general engineering sectors. Students observed key operations such as pattern making, sand molding, core making, metal melting, pouring, fettling, and quality inspection.

Engineers from the company explained the use of induction furnaces, green sand molding techniques, and quality assurance procedures including spectrometry and non-destructive testing (NDT). The visit enhanced students' understanding of real-world foundry practices, safety protocols, environmental considerations, and automation in casting.

Overall, the visit bridged the gap between academic learning and industrial practices, giving students a broader perspective on materials science and production technologies. It was a highly enriching experience, contributing significantly to their technical and professional development.



TECHNICAL TALK - 3

“DOE – Sustainable Approach to Improve Yield on PQCD” on 20th March, 2025



ASM INTERNATIONAL PUNE CHAPTER
Organized a Technical Talk on

DOE – Sustainable Approach to Improve Yield on PQCD

With
Mr. Ajay Tare
(Consultant – DOE & TQM, Industrial Trainer)

Followed by Hi Tea at
Venue: Arkey Conference Service Cell
Date: 20th March 2025
Time: - 06:30pm to 8:00pm

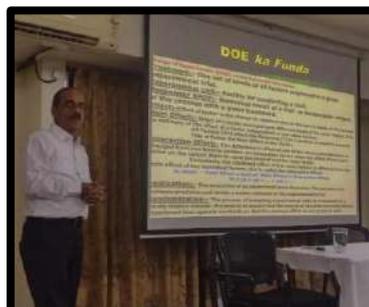
Mr. Arun Adiverekar Chairman Technical Program	Mr. Rahul Gupta Chairman	Mrs. Ruta Barve Secretary
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RSVP: asm.pune@gmail.com



On 20th March 2025, ASM International Pune Chapter successfully organized a technical talk on the topic “DOE – Sustainable Approach to Improve Yield on PQCD” at the Arkey Conference Service Cell. The talk was delivered by Mr. Ajay Tare, an experienced consultant in Design of Experiments (DOE), Total Quality Management (TQM), and industrial training. The session was aimed at professionals, faculty members, and students seeking insights into process improvement techniques and sustainable manufacturing practices.

The presentation focused on how DOE can be applied to systematically plan experiments, identify key variables, and optimize output with minimal resource usage. He elaborated on the PQCD framework—Productivity, Quality, Cost, and Delivery—and explained how DOE can contribute to achieving balanced improvements in all four areas. Real-time industrial examples were shared to illustrate practical challenges and their data-driven solutions using DOE methods. Mr. Tare emphasized the long-term benefits of integrating DOE into continuous improvement programs, especially in the manufacturing sector. The session was well-coordinated by the ASM Pune Chapter team. Mr. Arun Adiverekar (Chairman – Technical Program), Mr. Rahul Gupta (Chairman), and Ms. Ruta Barve (Secretary) were present and played key roles in organizing the event.





TECHNICAL TALK - 4

**"Safety in Heat Treatment Shop and Foundry-Casting Industry"
on 24th April 2025.**



ASM INTERNATIONAL PUNE CHAPTER

Invites you for Technical Talk on

Safety in Heat Treatment shop and Foundry-Casting Industry

by

Mr. Vinayak Borgaonkar

Venue: ASM Zoom Group VC Facility

Date: Thursday, 24th April 2025 @ 07:00pm.

Mr. Arun Adiverekar Mr. Rahul Gupta Mrs. Ruta Barve
Chairman Technical Program Chairman Secretary

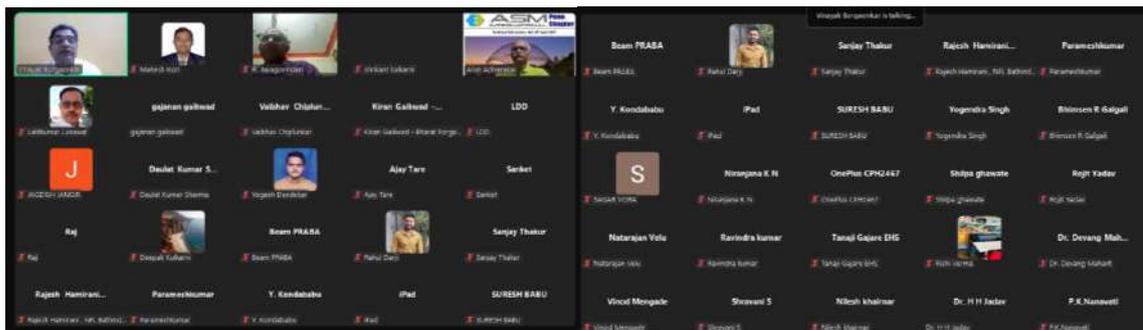
RSVP : asm.pune@gmail.com



Mr. Vinayak Borgaonkar
Director,
Kalashree Technical Services, Pune

ASM International Pune Chapter organized a technical session titled **"Safety in Heat Treatment Shop and Foundry-Casting Industry"** on **24th April 2025**. The session aimed to raise awareness about workplace hazards and

promote best safety practices in metal processing environments. The resource person highlighted key safety protocols, such as proper PPE usage, ventilation systems, fire prevention techniques, and emergency response planning. Emphasis was placed on minimizing occupational hazards like burns, inhalation of toxic fumes, and mechanical injuries. Real-world case studies and video demonstrations helped students relate theoretical knowledge to practical industry scenarios. The event witnessed active participation from over 50⁺ students and faculties of various institutes and ASM members, sparking valuable discussions on process safety improvements. This initiative contributed significantly to enhancing the safety culture among budding engineers and aligning them with current industrial standards and expectations. The event concluded with a Q&A session.





TECHNICAL TALK - 5

“Understanding of NABL requirements based on ISO 17025” on 22nd May, 2025



ASM INTERNATIONAL PUNE CHAPTER

Invites you for Technical Talk on
Understanding of NABL requirements based on ISO 17025

by
Mr Shrikant Kulkarni

Venue: ASM Zoom Group VC Facility
Date: Thursday, 22nd May 2025 @ 07:00pm.
RSVP : asm.pune@gmail.com

Mr. Arun Adiverekar **Mr. Rahul Gupta** **Mrs. Ruta Barve**
Chairman Technical Program Chairman Secretary



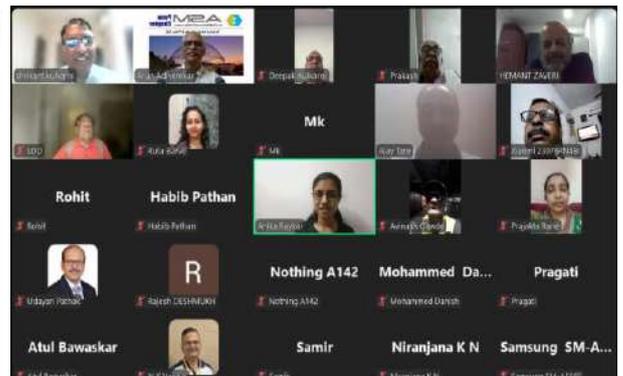
ASM International Pune Chapter organized a technical session titled “Understanding of NABL Requirements Based on ISO 17025” by Mr. Shrikant Kulkarni on 22nd May, 2025, to enhance awareness of laboratory quality standards and accreditation processes. The training focused on the key clauses of ISO/IEC 17025:2017, emphasizing both management and technical requirements. Participants were introduced to the scope of the standard, impartiality, confidentiality, resource management, method validation, measurement traceability, and internal audits. The session highlighted the importance of maintaining

competence, generating valid results, and continual improvement in testing and calibration laboratories. Practical insights into documentation, corrective actions, and NABL assessment procedures were also discussed. Interactive discussions and real-world examples facilitated a better understanding of compliance needs. The program proved valuable for laboratory personnel, quality managers, and technical staff aiming to align their operations with NABL accreditation criteria and uphold international standards in testing and calibration services. Around 52 participated in the program.

ASM – Pune Chapter : Awareness on NABL

Steps for accreditation process

- Documentation
- Application to NABL on portal
- Document review by NABL
- Pre Assessment (on site) : optional
- Final Assessment (on site) by experts
- Closing of Non conformities (if any)
- Summary report is reviewed by NABL steering Committee
- Grant of Accreditation





NEW ASM MEMBERS 25-26

Sr.	First Name	Last Name	Title	Company Name
1.	Prashant	Dusane	Vice President	Ipsen Technologies Pvt Ltd
2.	Sunil	Joshi	Managing Director	Tekman India Pvt Ltd.
3.	Satish	Suttetti	Managing Director	Bright Precision Machining Pvt. Ltd
4.	R K	Singh	Managing Director	Elite Heat Treatment and Engineering LLP
5.	Manish Omprakash	Agrawal	Managing Director	Jailaxmi Casting And Alloys Pvt. Ltd.
6.	Deepak	Kulkarni	Director	Aditya Consultants
7.	Debashis	Chakravarty	Senior Consultant	Kaizen Institute Global
8.	Veeranarayana	Mekala	Quality Engineer	Bodycote Heat Treatment Ltd.
9.	Akshay	Bhandari	Managing Director	Matscope Material Testing Labs Pvt. Ltd.
10.	Amit	Joshi	Students	PVG College of Engineering
11.	Ayush	Patil	Students	PVG College of Engineering
12.	Aryakee	Sorte	Students	PVG College of Engineering
13.	Manomay	Bhosale	Students	PVG College of Engineering
14.	Nikita	Diwane	Students	PVG College of Engineering
15.	Harsh	Yadav	Students	PVG College of Engineering
16.	Rugved	Dharmadhikari	Students	PVG College of Engineering
17.	Tanmay	Lele	Students	PVG College of Engineering
18.	Shivani	Sanas	Students	PVG College of Engineering
19.	Shreeyash	Joshi	Students	PVG College of Engineering
20.	Shrutika	Mane	Students	PVG College of Engineering
21.	Shruti	Nath	Students	PVG College of Engineering
22.	Sohem	Dandane	Students	PVG College of Engineering



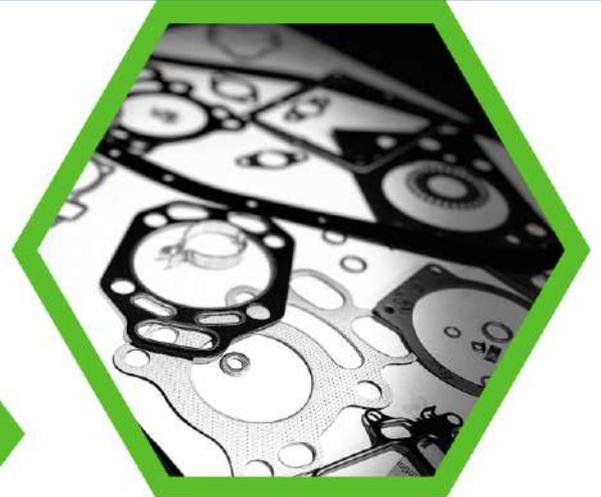
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For more efficient working & expanding network of your ASM International Chapter, please support your chapter by offering your time. Lot of avenues to choose areas of your liking. Options are - Membership Development, Education Programs, Students Outreach, Member Service, Website, News Letter, Technical Program and Social Events. Contact ASM International Pune Chapter asm.pune@gmail.com



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