

### Workshop Overview:

If your looking for a way to boost your material and enhancing materials knowledge and take your Design, Manufacturing team to next level, then look no further, Basic and Advances in Heat Treatment is here to help ! Heat Treatment (HT) process has graduated from basics to advance technologies like vacuum heat treating, laser, surface hardening, plasma nitriding, etc. To remain competitive the heat treating industry must understand and adopt these techniques. This training is must to attend for heat treaters, designers, academicians, and users of heat treating industry.

### Who can attend?

This programme is apt for those who needs to have comprehensive understanding of Heat Treatment

- Industry Professionals, Independent Consultants and Start-ups
- Teaching Professionals and Engineering Students
- Executives who need to work & analyse materials data & heat treatment issues

**First  
come first  
Serve!**

**Learn from  
Industry  
Experts!**



**3 days  
12 hours  
10 Speakers**

After payment, please upload screenshot using the link <https://forms.gle/PqRsbZmeY2rZdBvi8>

**Mr. Akshay Damgude / Mr. N. A. Deshmukh / Mr. R M Patil**  
**Phone: 02135- 630795 / 91 / 90 or 02135- 396 695 / 91/ 90**  
**Email: [training.pga@araiindia.com](mailto:training.pga@araiindia.com); [nadeshmukh.pga@araiindia.com](mailto:nadeshmukh.pga@araiindia.com); [patil.pga@araiindia.com](mailto:patil.pga@araiindia.com); [asm.pune@gmail.com](mailto:asm.pune@gmail.com);**  
**Website: [www.araiindia.com](http://www.araiindia.com); [academy.araiindia.com](http://academy.araiindia.com);**

### Registration Fees :

**Rs.2400 + 18% GST = Rs.2832 (Non- ASM Members) (Per Participant)**  
**\*\*10% Discount for ASM Members (Rs. 2549/- Incl. GST)**

**Mode of Payment: Online Transaction**  
**ARAI Pune Account No: 0447020000280**  
**IFSC/RTGS/NEFT : BARBOKARVER (0=Zero)**

**Participants whose organization is in SEZ, Kindly confirm GST Applicability before making payment**

### Schedule from 26<sup>th</sup> -28<sup>th</sup> Aug, 2020 via Ring Central

Sr.	Session	Date	Day	Time
1	Brief overview on Engineering Materials and Basics of Metallurgy	26-Aug-20	Wednesday	10:00-11:00
2	Fundamentals of Heat Treatment, Types of Heat Treatment Processes	26-Aug-20	Wednesday	11:00-12:00
3	Hardness, Hardenability & Hardening of Steel, and Austenite & its transformation	26-Aug-20	Wednesday	14:00-15:00
4	Case Hardening, Induction Heat Treatments, Vacuum Heat Treating and Advances in Heat Treatments	26-Aug-20	Wednesday	15:00-16:00
5	Types of Furnaces used in a Heat Treatment Process	27-Aug-20	Thursday	10:00-11:00
6	CQI 9 (Heat Treatment System Assessment Standard), Defects & Failures in Heat Treatment Process and Products	27-Aug-20	Thursday	11:00-12:00
7	Heat Treatment of Non-Ferrous Materials (Majorly Aluminium and Magnesium)	27-Aug-20	Thursday	14:00-15:00
8	Testing of Mechanical properties	27-Aug-20	Thursday	15:00-16:00
9	Heat Treatment of Cast Iron	28-Aug-20	Friday	10:00-11:00
10	Heat Treatment of Stainless Steels, Heat Treatment of Tool Steels	28-Aug-20	Friday	11:00-12:00
11	Vacuum Heat Treatment	28-Aug-20	Friday	14:00-15:00
12	Q & A / Panel Discussion	28-Aug-20	Friday	15:00-16:00
	Assessment Test & Feedback	29-Aug-20	Saturday	10:00-11:00

**Note : ARAI reserves the right to change the dates, contents, schedule, etc. for the programme without any notice.**  
**No Recording of training session will be provided, request to attend all the sessions**