SPEAKERS

Mr. Dilip Deshpande : Graduated as Mechanical engineer from VJTI Mumbai in 1983. Worked at Bajaj Auto Ltd. from 1983-1993 in Press Shop as Section Manager. Operated own business from 1993-2003 in IT industry. Joined Armstrong Machine Builders in 2003 and is now designated as Technical Director. Completed DBM and MMS from Symbiosis.

Mr. Sanjay S. Nibandhe : M.S in Manufacturing Management from BITS Pilani. MMS Master of Management Science from Pune University. Having 30+ Years of Experience in Automotive Domain. Currently Deputy Director Operations at ARAI HTC & FID, Chakan. Expertise in Manufacturing Process & simulations, Vehicle Testing and dynamics, vehicle development & design evaluation, Rapid Proto typing and tooling.

Mr. Rahul Gupta : ME - Metallurgy, from College of Engg Pune. Worked in Mukand Iron & Steel & Noduron Foundry (Now Maval Foundry). Is Now Partner in ND Gupta Enterprises - Heat-treatment unit and foundry for over 15 years. Practicing metallurgist for over 30 years in steel making, heat-treatment, surface treatment, and foundry. Currently Secretary of ASM International Pune Chapter.

Mr. S. A. Kulkarni : Dy. Manager at CAE, ARAI, Pune. He has completed graduation in Mechanical Engineering from Pune University He is working in the field of Forging Die Design, having experience of around 8 years. He is also having experience in Different Simulation tools which are used in industry. He has worked with Bharat Forge & NX Technosys Pvt. Ltd.

Mr. Ajit Deshpande : Bachelor of Engineering (Mechanical) with 35+ years of vast experience in various domain. Worked with Kirloskar Brothers, TATA Motors Ltd. Visiting Faculty at Various Engineering Colleges in Pune. Conducted Training on Communication skills, Stress management, Time management, Leadership, CRM, Organization behavior & etiquettes.

Mr. Vishwanath Sakhare : He has 10 years' experience in supply chain quality management for various auto components. He has been working with Eaton corporation and is experienced in developing several Tier 1 and tier 2 suppliers . He has a flair and passion for training and is responsible for developing suppliers by training them on manufacturing capabilities in order to achieve world class quality. He has hands on experience in manufacturing and Quality assurance.

Dr. M. D. Jaybhaye: Associate Professor at COE, Pune. He has completed Masters in Manufacturing Engineering and Automation and Ph.D from SRTM University, Nanded. He has Published around 11 National and 18 International papers in various conferences. He is Life Member of Indian society for Technical Education, Operation Research Society of India, Tribology Society of India. He is PhD Guide in Production Engineering for Savitribai Phule Pune University.

Dr. Preetam Tiwari : Co-Founder & Director, Incubxperts, Pune, headed strategic leadership for various Startups. Prior to his stint as a consultant, He was working with Tier-1 and Tier-2 IT consulting organizations as a Delivery Head. He has played an instrumental role in building relationships for strategic accounts, leading multi-million dollar software development programs, building and mentoring Business Intelligence and Data Analytics Center of Excellence initiative. He has been awarded Doctorate by Nagpur University in the areas of Business Intelligence in the year 2016.

Mr. N. A. Sakle : He has completed his BE and ME in Mechanical engineering. He has worked as a senior lecturer in Engineering College in Pune University for 8 years and presently working as Manager in ARAI from last 8 years. He was instrumental in establishment of ARAI Academy at Kothrud initially and presently is responsible for Training Centre at ARAI-Forging Industry Division at Chakan.

Mr. Madhu Reddy : He has completed Mechanical engineering from Anna University and has over 8 years industry in various engineering domains. Currently working in Power Train Engineering Department of ARAI as Project Manager for Engine Development Projects. He has experience in managing engine related projects specializing in off-road engines. He has previously worked in Renault-Nissan and Tata motors.

Dr. Vasant Khisty : Doctorate in global competitiveness of auto industry. Solid experience of 33 years in manufacturing, engineering and business development of forgings, castings, fabrications, gear boxes, hydraulic components, axles, and other Assemblies. Expertise in Manufacturing, Strategic solution selling, Road map building, strategic alliances, R&D. Worked with Bharat forge, Patheja group, RSB Global, Oerlikon Fairfield, Bonfiglioli, Maso group.

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5 Day Proficiency Improvement Programme on
Product Design and Life Cycle Management
at ARAI-Forging Industry Division
From 19th to 23rd June 2017 (Monday to Friday)

REGISTRATION FORM

Name, Designation, Dept., Office No., Mobile No. & Email ID :	
Delegate - 1	
Delegate - 2	
Delegate - 3	
Company Name & Address	
Co-ordinator's Name, Designation, Contact No., Email ID	
100% Advance Payment Details	

Please email/post duly filled-in registration form on or before 15th June 2017 to :
Dr. K. C. Vora, Sr. Dy. Director & Head, ARAI Academy
ARAI-Forging Industry Division, Chakan, B-16/1, MIDC Chakan, Taluka Khed, Dist Pune 410 501 (INDIA),
Contact No : (02135) 396 660, 61 & 66, 25 9595; 25 9042 / 44
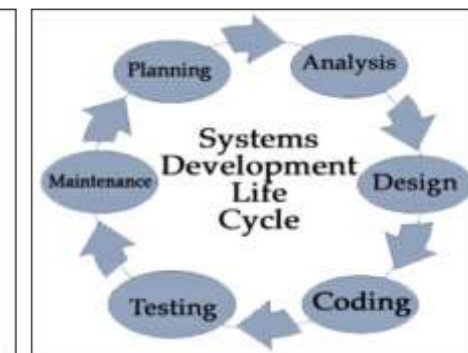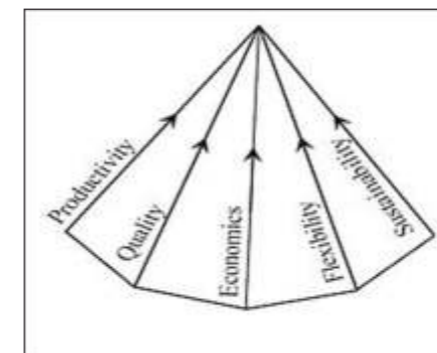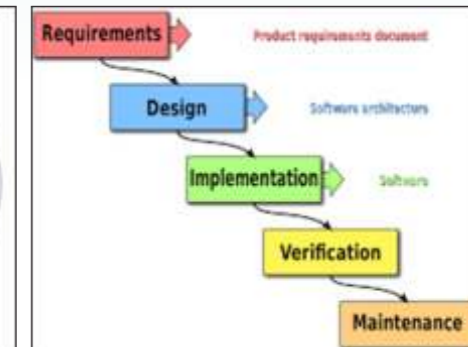Email : nadeshmukh.fid@araiindia.com; sakle.fid@araiindia.com; training.fid@araiindia.com

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at ARAI-Forging Industry Division
(The Automotive Research Association of India)
Plot No.B-16/1, MIDC, Chakan, Taluka: Khed, Dist: Pune 410 501.

From
19th to 23rd June 2017 (Monday to Friday)

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BACKGROUND & OBJECTIVES

Product Life Cycle Management is the process of managing the entire lifecycle of a product from inception, through engineering design and manufacture, to service and disposal of manufactured products. A new product progresses through a sequence of stages from introduction to growth, maturity and decline. This sequence is known as the product life cycle and is associated with changes in the marketing situation, thus impacting the marketing strategy and the marketing mix.

Continuous innovation, global collaboration, risk management in complex projects and rapid technological changes are challenges that compel large and small enterprises to react by focusing on core competence, collaborating with partners in product design, engineering and production, or shifting part of the activities in low labour cost countries.

Producing complex products in this scenario requires that information about product and process is accessible to the several actors in the value network such as partners, suppliers, and customers. The solution is to use a PLM strategy to integrate people, processes, business systems, and information in order to manage the product development and support its lifecycle.

Product Design and Life Cycle Management also serve as the central repository for secondary information, such as vendor application notes, catalogues, customer feedback, marketing plans, archived project schedules and other information acquired over the product's life.

INTENDED LEARNING OUTCOMES

On completion of the module, the delegates should be able to :

- Understand general design principle for manufacturability.
- Have customer-oriented, manufacturing and life cycle sensitive approach to product design & development.
- Understand the structured design methodologies.
- Acquire skills to analyze product design and will be able to design products that are easier to manufacture, assemble, service that are environment friendly.
- Understand various factors influencing design.
- Understand design features to facilitate machining.

- Tea Break @ 11.00 to 11.15 Hrs & 15.30-15.45 Hrs
- Lunch @ 13.00-14.00 Hrs

Note : ARAI reserves the right to change the dates, schedule, contents, speakers, venue etc. for the programme without any notice.

PROGRAMME

Day One

09.00	-	Registration
09.30	-	Inauguration & Welcome Address
09.45	-	Quiz
10.30	-	Introduction to Product Development
12.00	-	Design for Manufacturing
13.00	-	Lunch Break
14.00	-	Design for Casting
15.45	-	Design for Heat Treatment
17.00	-	Conclusion

Day Two

09.00	-	Design for Economy
11.15	-	Best Practices & Trends Affecting Product Development
13.00	-	Lunch Break
14.00	-	Risk Management during Product Development
15.45	-	Stages of Product Development
17.00	-	Conclusion

Day Three

09.00	-	Gear Manufacturing- Forging Approach
13.00	-	Lunch Break
14.00	-	Gear Manufacturing- Machining Approach
17.00	-	Conclusion

Day Four

09.00	-	Reducibility – Strategy in Deign for Manufacturing
11.15	-	Reliability – Design for Test and Inspection
13.00	-	Lunch Break
14.00	-	New Product Management Process
17.00	-	Conclusion

Day Five

09.00	-	Idea Productization
11.15	-	Prototypes in detailed design, test and Evaluation
12.15	-	Design Review, Simulation and testing
13.00	-	Lunch Break
14.00	-	Manufacturing Strategies, Planning & Methodologies
15.45	-	Written Test
16.45	-	Certificate Distribution & Valedictory Function
17.00	-	Conclusion

WHO SHOULD ATTEND ?

- Engineers and managers involved in Design and Development
- New Product Development/New Product Introduction
- Organizations involved in optimization of manufacturing processes
- Quality Assurance & Quality Improvement Engineers
- Reliability testing Engineers
- Maintenance Managers/Engineers
- Engineering/Consulting Companies
- Professors/Engineering Students
- Engineers Interested in pursuing further studies on part time/ full time basis

REGISTRATION FEES

Category	Registration Fees (Rs.) (per participant)	Total Fees including Tax of 15% (Rs.)* (per participant)
Engineers & Professionals	25000.00	28750.00
Teaching Faculty	15000.00	17250.00
Engineering College Students	10000.00	11500.00

*Service Tax is as applicable at the time of program.
Registration fees include:

- Breakfast
- Lunch
- Delegate Kit

MODE OF PAYMENT

At Par / Multicity cheque or demand draft in favour of
The Automotive Research Association of India
payable at Pune.

ARAI, over five decades, has provided its design and development expertise to the Indian automotive industry, focusing on the testing and evaluation of components and systems to meet national and international standards. ARAI strives to achieve international recognition in these areas. In keeping with the globalization of economy and business, ARAI continues to enlarge its scope of services to meet the requirements of automotive industries around the world. In addition to utilizing state-of-the-art technology, laboratories and highly-trained personnel, ARAI recognizes the need to develop a new generation of engineers to meet the demands of the automotive industry, not just in India but across the globe.

ARAI ACADEMY is classified into three divisions:

LEARNING CENTRE has embarked upon a programme of building up human resources by commencing educational programme (Graduate, Post graduate & Doctoral) with specialization in Automotive Engineering. It has tied up with VIT University (Vellore), Veltech University (Chennai), College of Engineering (Pune), Christ University (Bangalore), University of Alabama (USA), Tennessee Tech University (USA), Loughborough University (UK) and University of Braunschweig (Germany).

TRAINING CENTRE, In line with Post Graduate and Doctoral Programs conducted by various universities abroad, ARAI Academy has devised various Proficiency Improvement Programmes (PIPs), to be taught by ARAI, Academia & Industry Experts. PIP gives engineers, faculty and student's knowledge and technical expertise in a wide range of automotive disciplines. It helps in understanding system's view point for automotive design and manufacture, with specific skills in formulating automotive engineering solutions in terms of their function and performance, through optional modules.

Based on the present system in universities, credits are proposed for each module, so that the graduate engineers can attend various modules and sum-up the credits required for Master's or Doctoral Programs. Participants also get chance to visit related laboratories of ARAI and get hands on experience. Certificates are issued on the basis of attendance & written test conducted at the end of the programme. We also conduct Training Programmes through WEBEX and Domain Training Programmes for Automotive Industry.

We also conduct training programmes through eLearning, WEBEX and Domain Training Programmes for automotive industry at their preferred sites. ARAI has started developing web based eLearning Courses popularly known as 'ePIPs' (eLearning Proficiency Improvement Programmes) on various Automotive Engineering domain. ePIPs are highly engaging and effective eLearning modules, in which the licenced users can learn the subject matter online and gain practical as well as theoretical knowledge at their own pace, using a wide range of digital devices, anytime and anywhere.

KNOWLEDGE CENTRE It has collection of around 23,000 books, standards, project reports, seminar/conference proceedings and around 75,000 SAE technical papers. It also has 237 eBooks. It subscribes to 40 national and international journals. It regularly publishes a monthly magazine 'Automotive Abstracts'. It also conducts literature / patent search for customer's projects.

Please visit www.araiindia.com for more information.

Direction Map :

Training Program Venue Address :
ARAI-Forging Industry Division, Chakan
B-16/1, MIDC, Chakan, Taluka Khed, District PUNE - 410 501 (INDIA).
Contact No : (02135) 396 660, 61 & 66 or 25 9595; 25 9042 / 44