

# Polyurethane in Footwear



**Technical Training Program**

27-28 April 2017

Maple Hall, India Habitat Center, New Delhi

## ABOUT TRAINING

This 2-day technical training aims to educate polyurethane based footwear industry members about the fundamentals of polyurethane, materials, processes, machineries, adhesives, safety and environmental awareness about polyurethane and trouble-shooting. The training will be followed by the lab visit to get acquainted with the testing of footwear.

This training is organized by **IPUA Technical Center** as a part of its initiative in skill development for polyurethane industry as well as technical advancement for members. Experts from the industry with many years of hands-on experience will be sharing their knowledge and best practices with the participants. This training will be useful to people who are working in the areas of raw material manufacturing, formulations, quality control, and processing. Participants will also get an opportunity to interact with the faculties, experts in polyurethane and footwear industry.

## WHO WILL BENEFIT

1. Industry members working in product development, quality control and production of footwear
2. Members not having any formal education in polyurethane and desirous to learn the skills of polyurethane usage in footwear
3. Supervisors, managers in production, marketing, technical services for whom the knowledge would help in clear communications with customers, stake holders

## CONTENT

1. Introduction to polyurethane
2. Introduction of footwear industry – Materials used, evolution of materials and products
3. Polyurethane chemistry and building blocks
4. Raw materials and additives used in footwear industry – reactive polyurethane and TPU
5. Processing of polyurethane footwear
6. Machines used in sole molding and secondary operation
7. Introduction to adhesives and other PU based products used in footwear industry
8. Testing of raw materials and footwear
9. Safety, health and environment
10. Trouble shooting in shoe-sole molding
11. Latest trends in polyurethane based footwear industry
12. Lab visit

## PRESENTERS

Subject experts from system houses, footwear industry, testing labs and independent consultants - each having more than 10-15yrs of experience.

## TRAINING MATERIAL

Each trainee will be given a learning kit.

## CAPACITY

**25 No.** The registration will be on the first come first serve basis.

## REGISTRATION

Registration fees include lunch, tea, learning kit and arrangement for lab visit. Attendees have to do arrangements for accommodation, travel and dinner on their own. **The last date of registration is 18th April'17.**

To register for the training, please contact **Dr. Nivedita Sangaj** at

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## ABOUT IPUA TECHNICAL CENTER

**IPUA Technical Center** is setup by **Indian Polyurethane Association (IPUA)** to serve as the technical support and resource center. It is a single point technical source for the members of Polyurethane industry. The Technical Center leverages its network of technical laboratories and experts in polyurethane industry. Visit [www.ipuatc.com](http://www.ipuatc.com) for more details.

## ABOUT IPUA

**Indian Polyurethane Association (IPUA)** founded on 9th May 1992 is a non-profit organization to further the interest of Polyurethanes in India. **IPUA** strives to enhance the awareness of polyurethanes thereby increase their usage in India. Find more details on [www.ipua.in](http://www.ipua.in)