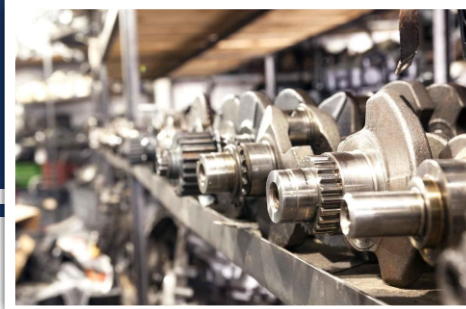




AWARENESS IN ACTION



A Symposium on Emerging Technologies and Manufacturing Industries

- May 5, 2018, Saturday
- UGC Auditorium, JNTUH

India's economic growth story as one of the world's fastest growing economy has pushed Indian position in the global order. Current Indian Government is keen on keeping this trend alive with a huge emphasis on establishment of technological infrastructure development. These initiatives got major boost with the expanding GDP in various sectors and Make in India initiative. Today, in India manufacturing covering a large number of sectors would amount to 17% of the FDI which is far behind when compared to other Asian economies. Government has an aspiration of expanding the Manufacturing sector's contribution to 25% without which creating 10 crore jobs by 2020 is not possible.

Though manufacturing Industry demands more labour force, today there is a fear and misunderstanding that the emerging technologies and changing markets would reduce jobs. It appears that people have not reflected on the nature of new jobs that are demanded by this industry. There is an inadequate preparation in the technical education towards orienting the new technology graduates towards new set of jobs and skills that are needed. Though there is a huge technological education infrastructure, our education landscape does not seem to be prepared to capture the challenges of the new emerging manufacturing industry. Both Industry and the education sector seem to be caught in the old styles of thinking, which is not only reducing the pace

of expansion of manufacturing sector but also has been reducing opportunities for the aspiring youth in India. One can argue that India is not future ready for capturing the opportunities in manufacturing world despite having all the necessary requirement. In this situation, the status of engineering education, their utility and employability have comeback as some haunting questions. There is a visible gap between the current state of technological education, demands of the Industry and the emerging technology at the global level which is going to decide both the economic growth as well as the quality of life of people in India.

In order to respond to this crisis which is unfolding today, **Awareness in Action (AiA)** is initiating a dialogue between various stakeholders in the technical education sector, Industry and the Research and development sectors. We intend to continue this dialogue through series of conferences across India and then communicate the real policy gaps and ground level initiatives to concerned stakeholders and the policy makers. AiA wishes to Launch this initiative to reflect on the existing technologies in India on a wider platform with all the available stakeholders i.e. Core Industry, Manufacturing sector, Academicians, Students etc.

Awareness in Action (AiA) is a non-profit registered organisation, which is keen on achieving social transformation



by bringing awareness and knowledge about our social world into action. From past 15 years, awareness in action has been actively involved in bringing common people, experts, policy makers together to ensure that brilliant ideas are put to use for the betterment of the world. As a part of our ongoing initiative of bringing various stakeholders in different domains of the society to see tangible outcomes for social change, we are organising this conference series across India, throughout the year and this conference is the second one on emerging technologies where our focus is on manufacturing sector.

The **AiA** symposium is planned on “**Emerging Technologies and Manufacturing Industries**” on **May 5, 2018, Saturday**. It includes four subthemes. First session will focus on hardware of IT Industry, where we will look at the domains like Electronics, Electricals, Superconductors, Biomedical, Aerospace and so on, which demand huge manufacturing infrastructure and labour. The second session will focus on hard manufacturing Industry setups like Mining, Metallurgy, Foundry, Mechanical, Instrumentation, Automobile and other industry which have taken completely new technological turns in the background of new technological advancements.

Packaging Industry, Green technology and Pharma which still continue to be a thriving force in manufacturing Industry. The fourth session would explore new horizons in Manufacturing world. They include 3D printing and Robotics, CNC machining, Autonomous devices, Advanced materials, Nano technology and other allied areas. In a way, how do we transform our manufacturing sector into an agile manufacturing sector is the question that we would like to dwell upon. All these developments put together with automation, market linkages and synergy with many other stakeholder groups show an extraordinary bright future in encouraging opportunities for the Manufacturing companies in India. This discussion on Manufacturing Sector may throw the light on young researchers and their contribution towards “Make in India” mission as well.

The outputs of the **AiA** symposium would certainly focus on bridging a gap between academia and industry. Our further focus is to support/encourage, research and development along with connecting students and industrialists, as we believe that their combination would boost the research sector and in turn would facilitate Nation's Development.

B.G. Rajeswar
President

M. Madhavi
Secretary

B.Sravanthi
Convener

M. Kiran Kumar
Co-Convener

Who Can Participate
Students, Academicians and
Professionals

Venue
UGC Auditorium, JNTUH

Last Date for Registrations
April 25, 2018

Fees
Rs.100 for Students &
Rs.500 for others

For Registrations
www.awarenessinaction.in

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