



# **RAJARAJESWARI COLLEGE OF ENGINEERING**

**(Under the auspices of the Moogambigai Charitable and Educational Trust)**

(Affiliated to the Visvesvaraya Technological University, Belgaum)

(Recognized by the AICTE, New Delhi)

#14, Ramohalli Cross, Kumbalagodu, Mysore Road, Bengaluru-560074.

Phone: +91-80-28437124, +91-28437375, Fax: +91-80-2843 7373, [www.rrce.org](http://www.rrce.org)



## **DEPARTMENT OF MECHANICAL ENGINEERING**

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**Date: 15/12/2016**

### **Circular**

It is hereby informed to all the faculty members that the department is organizing 5 days FDP on the topic **“Advances in Future Manufacturing Trends”** from 27<sup>th</sup> to 31<sup>st</sup> Dec 2016. All are requested to attend the FDP and make better utilization of the recourse person and opportunity.

Coordinators

HoD - ME



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## DEPARTMENT OF MECHANICAL ENGINEERING

### 5 Days Faculty Development Program on

### “Advances in Future Manufacturing Trends”

27<sup>th</sup> to 31<sup>st</sup> Dec 2016

Sl. No.	Topic	Resource Person	Date & Time
<b>Inauguration and Welcome 9:00 to 10:15</b>			
1	Automation for manufacturing	Ms. Prathima Holla Head Automation Division Distinct Productivity solutions Pvt. Ltd.	27 <sup>th</sup> Dec 2016 10:30 to 12:30
2	Supply Chain Technology	Dr. R. Shankara Reddy HoD – ME, RRCE	27 <sup>th</sup> Dec 2016 2:00 to 3:30
3	Mobile Robotics	Dr. K. N. Umesh, Former HoD – Mech Engg, PESCE, Mandya	28 <sup>th</sup> Dec 2016 9:30 to 11:00
4	Internet of things (IOT)	Dr. Usha Shakthival HoD- CSE, RRCE	28 <sup>th</sup> Dec 2016 11:30 to 1:00
5	Enterprise Resource Planning	Dr. Pavan Kuamr HoD-MBA RRCE	29 <sup>th</sup> Dec 2016 9:30 to 11:00
6	Industry 4.0	Mr. Ram Prakash Holla MD, Distinct Productivity solutions Pvt. Ltd.	29 <sup>th</sup> Dec 2016 11:30 to 1:00
7	Artificial Intelligence and Machining Learning	Prof. Rajech, Associate Professor CSE, RRCE	29 <sup>th</sup> Dec 2016 2:00 to 3:30
8	<b>30<sup>th</sup> Dec 2016 Industry Visit Distinct Productivity solutions Pvt. Ltd. Bengaluru</b>		
9	Additive Manufacturing	Mr. Prashanth S K, Director Sales, Vyapti Technica Solutions	31 <sup>st</sup> Dec 2016 10:00 to 12:45
<b>Valedictory and feedback session 2:00 to 3:30</b>			



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## DEPARTMENT OF MECHANICAL ENGINEERING

### 5 Days Faculty Development Program on “Advances in Future Manufacturing Trends” 27<sup>th</sup> to 31<sup>st</sup> Dec 2016

#### Program Report

On day 1 Mrs. Prathima Holla highlighted new technologies that have made more accessible to manufacturers. Automation for all is the next step in the industry. Dr.R Shankara Reddy addressed the supply chain operation effectively as it reduces costs, while delivery products to the customers when they want it, how they want it.

On day 2 Dr. K N Umesh emphasized robots in the industry as primary drives of the manufacturing trend, the robot technology is making automation attainable for all companies. The use of sensors and cloud connectivity powered by the internet. IoT is propelling the advancement in industries. Companies are improving safety, cost, stream line manufacturing with IOT capabilities was addressed by Dr. Usha S.

On day 3 Dr. Pavan highlighted ERP technology in manufacturing technology which was available for many years . But with availability of cloud based option, ERP helps manufacturing automate different areas of operation to make improvements and adjustments where needed. Mr. Holla highlighted importance of Industry 4.0- 4<sup>th</sup> industrial revolution which is widely adopted in manufacturing sectors.



On the day 4 industrial visit to Distinct Productivity Solutions Bangalore who are in to manufacturing precision components for automotive sectors. On the day 5 Mr. Prashanth explained 3D printing using CAD software , manufacturers can now custom build parts and products one layer at a time for their customers . the FDP was ended with valedictory function.

**Coordinator**

**HoD - ME**