

**JSS Mahavidyapeetha, Mysuru**

**and**

**Dept. of Collegiate and Technical Education, Govt. of Karnataka**

**Three days National Webinar**

**on**

***“Polytechnic Education – Embracing Industrial Revolution 4.0”***

***(29<sup>th</sup> to 31<sup>st</sup> Dec 2020)***

**Inaugural Session**

<b>Sl. No.</b>	<b>Time</b>	<b>Programme</b>
1	10:30 AM	Welcome speech
2	10:35 AM	Introduction to the National Webinar
3	10:40 AM	Inaugural address by Sri. Pradeep P, IAS, Commissioner, Dept. of Collegiate and Technical Education, GoK
4	10:45 AM	Address by Dr. C.G. Betsurmath, Executive Secretary, JSSMVP, Mysuru
5	10:50 AM	Address by Sri. H.U. Talwar, Director, Dept. of Technical Education, GoK
6	10:55 AM	Address by Sri. R Manjunath, Joint Director, CDC, DTE
7	11:00 AM	Blessings by His Holiness Paramapoojya Jagadguru Sri. Shivarathri Deshikendra MahaSwamiji
8	11:10 AM	Thanking the guests
9	11:15 AM	Keynote Address by Dr. C.Ranganathaiah, Director, TED, JSSMVP, Mysuru - <i>“Polytechnic Education in the era of IR 4.0”</i>

## Topics :

- Online TLP/ Assessment
- Online platform for enhancing knowledge and skills
- Data Sciences
- Artificial Intelligence
- Robotics
- M2M
- Internet of Things, Industry Internet of Things
- Cyber Physical Systems
- 3D printing
- Additive Manufacturing

## Resource persons:

**Dr. H.S.Guruprasad**, Professor & Dean  
Student Affairs, BMS College of Engineering, Bengaluru

**Sri Abhijith Nagarajan**, Software Engineering Manager  
M/s ServiceNow, Hyderabad

**Sri Maruthraj Ganeshan**, Group Technical Manager  
Industrial Group, M/s HCL, Bengaluru

**Dr. Y.Ravikumar**, Associate Professor  
Dept. of Mechanical Engineering  
National Institute of Technology, Warangal

**Dr. Srikanta Gupta**, Principal consultant  
AdvancedEngineering Group, M/s Infosys Ltd, Mysuru

### Help Desk

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Last date for registration

22<sup>nd</sup> December 2020

### Chief Patron His Holiness

**Jagadguru Sri Shivarathri Deshikendra Mahaswamiji**  
President  
JSS Mahavidyapeetha, Mysuru

### Patrons

**Dr. C.G.Betsurmth**  
Executive Secretary  
JSS Mahavidyapeetha, Mysuru

**Sri Pradeep P, IAS**  
Commissioner  
Dept. of Collegiate and Technical Education  
Govt. of Karnataka

### Chairman

**Prof. M.H.Dhananjaya**  
Advisor  
Technical Education Division  
JSS Mahavidyapeetha, Mysuru

### Vice-Chairmen

**Dr. C. Ranganathaiah**  
Director, Technical Education Division,  
JSS Mahavidyapeetha, Mysuru

**Sri H.U.Talwar**  
Director, Directorate of Technical Education,  
Govt. of Karnataka

### Members

**Dr. H.R. Mahadevaswamy**  
Joint Director, Technical Education Division  
JSS Mahavidyapeetha, Mysuru

**Sri Y.M. Sasalaradhya**

Principal, JSS Polytechnic, Nanjangud

**Sri B. Elangovan**

Principal, JSS Polytechnic for Differently Aabled, Mysuru

**Sri P.S. Shivakumar**

Principal, JSS Polytechnic for Women, Mysuru

**Sri G. RamalinganaGowd**

Principal, JSS Polytechnic, Mysuru



**JSS Mahavidyapeetha  
Mysuru**

in association with

**Dept. of Collegiate and  
Technical Education  
Govt. of Karnataka**



Organizing

**National Webinar on  
Polytechnic Education –  
Embracing Industrial  
Revolution 4.0  
(Webinar)**

**29<sup>th</sup> to 31<sup>st</sup> December 2020**

Registration link

<https://forms.gle/wiAoz3oyJRUv85hMA>



## About JSS Mahavidyapeetha, Mysuru

Jagadguru Sri Shivarathreeshwara Mahavidyapeetha (JSSMVP), represents a formidable educational movement, and is one of the largest educational hubs in the Country and has its roots traced to the establishment of a small hostel in 1928 to cater to the accommodation needs of poor students pursuing higher education in Mysuru. His Holiness Jagadguru Dr. Sri Shivarathri Rajendra Mahaswamiji established JSSMVP in the year 1954 as a registered Society.

Focusing on the pursuit of expansive and yet specific to improving quality of human life through Human Development, the JSSMVP has grown from strength to strength. A long and healthy life, Education to all the needy and Quality of living, the key indicators of Human development, have been the underlying threads of philosophy of Jagadguru Sri Veerasimhasana Mahasamsthana Math, Suttur Sriksheethra, for centuries. This is also the philosophy for which the Mahavidyapeetha today stands for.

JSSMVP has witnessed enormous growth in the field of education and today has over 320 institutions under its fold, from kindergarten to doctoral degree level in all fields of education and has strong research institutions to cater to the educational needs of more than 1,00,000 students.

These institutions, located in strategic areas, serve a broad spectrum of society, from virtually remote tribal villages to metropolitan cities such as Mysuru, Bengaluru, Noida, Ooty, and Coimbatore, besides their international presence in United States, Mauritius and Dubai.

Apart from formal education, the initiatives stretch to integrated rural development through training and empowering of rural folk, reaching out healthcare to people through modern and traditional Indian systems of medicine, patronizing literary activities, visual arts, performing arts, restoration of temples etc.

### Technical Institutions under JSSMVP

- JSS Science and Technology University, Mysuru
- 03 Engineering Colleges at Mysuru, Bengaluru and NOIDA, UP
- 04 Polytechnics at Mysuru and Nanjangud
- 03 Industrial Training Institutes at Thandya, Chamarajanagar, Talavadi (Tamil Nadu)
- 03 Science and Technology Entrepreneurs Parks at Mysuru, Bengaluru and Noida, JSS Global Incubation Services, Bengaluru
- JSSRISDC, JSS Consultants, JSS Urban Haat

## Industrial Revolution (IR) 4.0

IR 4.0 refers to a new phase in the Industrial Revolution, which focuses heavily on interconnectivity, automation, machine learning, and real-time data. While every company and organization operating today is different, they all face a common challenge—the need for connectedness and access to real-time insights across processes, partners, products, and people. Some of the important foundational words and phrases include *Enterprise Resource Planning (ERP)*, *IoT*, *IIoT*, *Big data*, *Artificial Intelligence (AI)*, *M2M*, *Digitalization*, *Smart Factory*, *Machine Learning*, *Cloud Computing*, *Real-Time Data Processing*, *Ecosystems and Cyber-Physical Systems (CPS)*.

IR 4.0 makes *industries more competitive, more attractive to the young workforce, makes team stronger and more collaborative and allows industries to address potential issues before they become big problems and to trim costs, boost profits and fuel efficiency.*

IR 4.0 is therefore not a prediction of the future, but a call for action. It is a vision for developing, diffusing and governing technologies in ways that foster a more empowering, collaborative and sustainable foundation for social and economic development, built around shared values of the common, good human dignity and intergenerational stewardship. Realizing this vision will be the core challenge and great responsibility of the next 50 years keeping in mind the profile of future job market across the Globe in all variety of domains for students with Technical qualifications.

### Objectives of the Webinar

- Role of Polytechnics in supporting IR 4.0
- To understand the requirements of skill sets and future job trends due to IR 4.0
- To understand how education sector can respond to changes in skills required for IR 4.0
- To adopt and implement National Education Policy 2020 with emphasis on employment opportunities and providing necessary skills.
- To prepare for the training challenges - Anytime, Anywhere Any device, Any platform, replacing the traditional method of teaching.

### Who can attend?

The Webinar is being organized to understand how Polytechnic education sector can respond, prepare and support for IR 4.0 particularly under New Education Policy-2020. Hence, Heads of institutions, faculty members and technical staff of Engineering and Polytechnic colleges, industry personnel are requested to participate and contribute knowledge through your expertise so that this Webinar will be a grand successful event.

### Registration Fee:

**Rs. 200/- (Rupees Two Hundred only) per participant**

### Webinar Platform:

**ZoomMeet**

Link will be shared to the registered participants before the Webinar.

E-Certificate will be issued to successfully completed participants.