

ISTE approved two week Short Term Training Program on

## “Emerging Trends in Cloud Computing with Internet of Things and BIGDATA”

### Programme Schedule(4<sup>th</sup> July-15<sup>th</sup> July2016)

<b>DAY 1</b> <b>04-07-16</b> <b>Monday</b>	8:30am – 9:30am	Registration /Tea
	9:30 am-1:00pm	<ul style="list-style-type: none"> <li>• Welcome Address by Prof.Neelima Pathak</li> <li>• Dr. Shrikant Kallurkar ,Principal ,Atharva College of Engineering</li> <li>• Dr. J.W. Bakal, Principal, SSJCOE</li> <li>• Dr. Suresh Ukrande, Chairman, ISTE Bombay Section, Dean, of Faculty Technology, University of Mumbai.</li> <li>• Mr. Ravindra Dastikop, SDM College of Engineering, Dharwad, Karnataka</li> <li>• Dr. Meena Kumari, Chief Technology Officer, iCRM</li> <li>• Dr. Vijay Rathod, Head, EXTC, St. Xavier’s Technical Institute, Mahim, Mumbai.</li> <li>• Dr. Radha Shankarmani, Professor, HOD (INFT), Sardar Patel Institute of Technology, Andheri(w).</li> </ul>
	1:00pm - 2:00pm	Lunch Break
	2:00pm – 4:00pm	IoT ( <b>Mr. Raju Iyer,Capegemini</b> )
	4:00pm-4:30pm	Tea Break
	4:30pm-5:00pm	Session by <b>Mr. Lalit Yagnik(IBM)</b>

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Day & Date	Time	Session Details
<b>DAY 2</b> <b>05-07-16</b> <b>Tuesday</b>	9:00 am-10:00am	<b>Session1:</b> Cloud Computing: Power and Potential <b>(Mr. Ravindra Dastikop)</b>
	10:00am-10:30am	Tea Break
	10:30am-01:00pm	<b>Session2:</b> Cloud Computing Fundamentals <b>( Mr. Ravindra Dastikop)</b>
	1:00pm-2:00pm	Lunch Break
	2:00pm-3:30pm	<b>Session 3:</b> Cloud Computing for Teaching and Learning - Hands On session <b>(Mr. Ravindra Dastikop)</b>
	3:30pm-4:00pm	Tea Break
	4:00pm-5:00pm	<b>Session 3:</b> Cloud Computing for Teaching and Learning - Hands On session <b>(Mr. Ravindra Dastikop)</b>
<b>Day 3</b> <b>06-07-16</b> <b>Wednesday</b>	9:00 am-10:00am	<b>Session 1:</b> Virtualization ( <b>Mr. Pravin Hanchinal</b> )
	10:00am-10:30am	Tea Break
	10:30am-01:00pm	<b>Session 2:</b> Hands on VM of CloudEra ( <b>Mr. Pravin Hanchinal</b> )
	1:00pm-2:00pm	Lunch Break
	2:00pm-3:30pm	<b>Session 3:</b> An Introduction to Private Cloud <b>(Mr. Pravin Hanchinal)</b>
	3:30pm-4:00pm	Tea Break
	4:00pm-5:00pm	<b>Session 3:</b> An Introduction to Private Cloud(Contd.) <b>(Mr. Ravindra Dastikop)</b>
<b>Day 4</b> <b>07-07-16</b> <b>Thursday</b>	9:00 am-10:00am	<b>Session 1:</b> Cloud Computing - Google App & Compute Engine, AWS, IBM BlueMix <b>((Mr. Mayur Patil))</b>
	10:00am-10:30am	Tea Break
	10:30am-01:00pm	<b>Session 2:</b> IBM BlueMix / Google App Engine - Developing Cloud Computing Projects <b>(Mr. Mayur Patil)</b>
	1:00pm-2:00pm	Lunch Break
	2:00pm-3:30pm	<b>Session 3:</b> Cloud Computing Research Directions
	3:30pm-4:00pm	Tea Break
	4:00pm-5:00pm	<b>Session 3:</b> Cloud Computing Research Directions. (Contd.)

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Day & Date	Time	Session Details
<b>Day 5</b> <b>08-07-16</b> <b>Friday</b>	9:00 am-10:00am	<b>Session 1:</b> An Introduction to Internet of Things <b>(Mr. Ravindra Dastikop)</b>
	10:00am-10:30am	Tea Break
	10:30am-01:00pm	<b>Session 2:</b> Cloud SOA and SaaS <b>(Mr. Ravindra Dastikop)</b>
	1:00pm-2:00pm	Lunch Break
	2:00pm-3:30pm	<b>Session 3:</b> Hands-on with Aadhar APIs <b>(Mr. Mayur Patil)</b>
	3:30pm-4:00pm	Tea Break
	4:0pm-5:00pm	<b>Session 3:</b> Hands-on with Aadhar APIs (Contd.) <b>(Mr. Mayur Patil)</b>
<b>Day 6</b> <b>09-07-16</b> <b>Saturday</b>	9:00 am-10:00am	<b>Session 1:</b> Hands-on session with IoT-1 <b>(Mr. Mayur Patil)</b>
	10:00am-10:30am	Tea Break
	10:30am-01:00pm	<b>Session 2:</b> Hands-on session with IoT-2 <b>(Mr. Mayur Patil)</b>
	1:00pm-2:00pm	Lunch Break
	2:00pm-3:30pm	<b>Session 3:</b> Data Analytics using IBM IoT Real Time Insights. <b>(Mr. Mayur Patil)</b>
	3:30pm-4:00pm	Tea Break
	4:30pm-5:00pm	<b>Session 3:</b> Data Analytics using IBM IoT Real Time Insights. (Contd.) <b>(Mr. Mayur Patil)</b>
<b>Day 7</b> <b>11-07-16</b> <b>Monday</b>	9:00 am-10:00am	<b>Session 1:</b> Overview of Digital Technologies <b>(Mr. Sachin Sadare)</b>
	10:00am-10:30am	Tea Break
	10:30am-01:00pm	<b>Session 2:</b> Introduction to IoT <b>(Mr. Sachin Sadare)</b>
	1:00pm-2:00pm	Lunch Break
	2:00pm-3:30pm	<b>Session 3 :</b> Applications & Use cases of IoT - Retail, Agriculture, Healthcare and others <b>(Mr. Sachin Sadare)</b>
	3:30pm-4:00pm	Tea Break
	4:30pm-5:00pm	<b>Session 3 :</b> Group Activity & Case Study for better IoT understanding <b>(Mr. Sachin Sadare)</b>

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<b>Day 8</b> <b>12-07-16</b> <b>Tuesday</b>	9:00 am-10:00am	<b>Session 1:</b> Handson - Arduino Board ( <b>Mr. Sachin Sadare</b> )
	10:00am-10:30am	Tea Break
	10:30am-01:00pm	<b>Session 2:</b> Understanding Arduino Board Layout & Architecture ( <b>Mr. Sachin Sadare</b> )
	1:00pm-2:00pm	Lunch Break
	2:00pm-3:30pm	<b>Session 3 :</b> Interfacing sensors and Circuit Building Cloud Connectivity ( <b>Mr. Sachin Sadare</b> )
	3:30pm-4:00pm	Tea Break
	4:00pm-5:00pm	<b>Session 3 :</b> Sample Programs & Use Cases IoT Testing - Tools and Methodology ( <b>Mr. Sachin Sadare</b> )
<b>Day 9</b> <b>13-07-16</b> <b>Wednesday</b>	9:00 am-10:00am	<b>Session 1:</b> IoT, Data Science and Big Data in Agriculture and Healthcare perspective ( <b>Dr. Amiya kumar Tripathy</b> )
	10:00am-10:30am	Tea Break
	10:30am-01:00pm	<b>Session 2:</b> IoT, Data Science and Big Data in Agriculture and Healthcare perspective ( <b>Dr. Amiya kumar Tripathy</b> )
	1:00pm-2:00pm	Lunch Break
	2:00pm-3:30pm	<b>Session 3 :</b> IoT ( <b>Mr. Prasanna Lohar</b> )
	3:30pm-4:00pm	Tea Break
	4:00pm-5:00pm	<b>Session 3 :</b> IoT ( <b>Mr. Prasanna Lohar</b> ) (Contd.)
<b>Day 10</b> <b>14-07-16</b> <b>Thursday</b>	9:00 am-10:00am	<b>Session1:</b> Introduction of RContainers (Docker) ( <b>Prof. Mohan Pawar</b> )
	10:00am-10:30am	Tea Break
	10:30am-01:00pm	<b>Session 2:</b> Hands On Session-Create your Web application with Docker ( <b>Prof. Mohan Pawar</b> )
	1:00pm-2:00pm	Lunch Break
	2:00pm-3:30pm	<b>Session 3:</b> Micro-service architecture using docker and Why Docker is the future of Application. ( <b>Prof. Mohan Pawar</b> )
	3:30pm- 4:00pm	Tea Break
	4:00pm-5:00pm	Valedictory Function