

**Topic: "Socio-economic Innovation and its  
Application for the Development of Smart  
City".**



**Resource Person: Dr. H.D Thorat**

**Venue: MIT Arts, Commerce & Science**

**College, Alandi, Pune**

**Date: 17<sup>th</sup> December 2016**



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**Gyaan Ganga (Knowledge Transfer)**

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Dr. H.D. Thorat stressed the idea of how making Cities Smarter is the challenge. He rightly defined the objective interpretation of the category "smart city," is to provide a modern quality of life through the use of innovative technologies that



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**Director**

**S. B. Patil Institute of Management  
Sector No. 26, Nigdi,  
Pradhikaran, Pune-411 044.**

provide cost-effective and environmentally friendly use of the city's life support systems.

He mentioned that the process of constant monitoring of critical infrastructure - highways, tunnels, railways, subways, ports, bridges, airports, communications, water supply, and power supply, even the most important buildings - in order to optimize resource allocation and security is important.

He said that the "smart" city, should lack transparency and standardization, and will very soon become cumbersome and costly. By components of "smart" city include high-speed optical, sensor, wired and wireless networks

He described that whole building "smart cities" effectively conserve heat, and even generate energy, and all departments are combined into a single system that allows them to work more smoothly. All the houses are combined into a single network, and the resulting energy is redistributed between them automatically. It is estimated that, if the city is disconnected from external power sources on their own eco-resources he can hold out for 3 days.

And lastly he spoke about how green roof also contributes to a significant reduction in air pollution and enriching it with oxygen, which in turn increases the comfort of living in the city and reduce the number of diseases, especially asthma.



A handwritten signature in blue ink, appearing to read "M. S. Patil".

**Director**

**S. B. Patil Institute of Management**  
Sector No. 26, Nigdi,  
Pradhikaran, Pune-411 044.



*[Signature]*  
Approved By

Dr. Daniel Penkar

Director



MAEER Pune's

# MIT Arts, Commerce & Science College

Alandi, Pune - 412105.

Affiliated to Savitribai Phule Pune University & Recognized by Government of Maharashtra

(ID No. PU/PN/ASC/289/2007)

MIT ACSC/BCOM/2016/05

Date: 17<sup>th</sup> Dec, 2016

To

The Research Director

Dr. Hansraj D. Thorat

S.B. Patil Management Institute.

Chinchwad, Pune

Subject: Warm Thanks

Respected Sir,

We at MIT Arts, Commerce and Science College, Alandi (D), Pune express our heartfelt thanks to you for delivering a lecture on occasion of Two days State level seminar-*"Socio economic innovation and its application for the development of Smart City"* organized by Department of Arts & Commerce held on 16<sup>th</sup> & 17<sup>th</sup> December 2016.

We look forward for getting such fruitful associations from you in future.

Thanking you.

Yours faithfully,

  
Dr. B. B. Waphare

(Principal)



  
Director

S. B. Patil Institute of Management  
Sector No. 26, Nigdi,  
Pradhikaran, Pune-411 044.

**MIT**

**Arts, Commerce  
& Science College**

Alandi (D), Pune -412 105.



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10<sup>th</sup> Year going with Persistent Evolution in Education and Research  
Organizes

**Two Days State Level Seminar**  
On

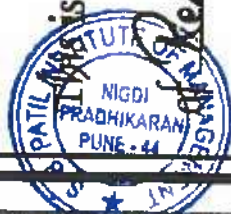
**"Socio-Economic innovation and its application for the development of Smart City."**

Sponsored by

Savitribai Phule, Pune University

**CERTIFICATE**

is to certify that Dr./Mr/Mrs/Ms. H. D. Thorat.



Research Director . S.B. Patil Management Institute has participated as a Resource Person/

Chair Person / Researcher presented/ submitted a paper on 17/12/2016 in two days State level Seminar on

**"SOCIO-ECONOMIC INNOVATION AND ITS APPLICATION FOR THE DEVELOPMENT OF SMART CITY"**  
organised by Department of Arts and Commerce, of MIT Arts Commerce and Science College, Alandi(D), Pune

on 16<sup>th</sup> & 17<sup>th</sup> December, 2016. His / Her Participation / Presentations is highly appreciated.

Ms. M. A. Atitkar  
Prof. Manasi Atitkar  
Convener

Prof. Dr. B. B. Wapahre  
Principal

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