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Vidyavardhini's College of
Engineering & Technology
Nyasar Road - 401202.

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Engineering and Technology
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Branch: Vidyavardhini College Branch, Vasai Rd (W)
Account Number: 320602011001031
IFSC: UBIN0562556
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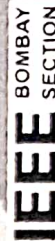
**VNC - 2020 TASU
4TH APRIL, 2020**



Organized by:
**Vidyavardhini's College of
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K.T. Marg, Vasai (W) - 401202
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**BJIT - BVICAM's International Journal of Information
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About us:

Vidyavardhini means a Body committed to enhancement of Knowledge. Vidyavardhini was established as a registered society in 1970 by late Padmashri H. G. alias Bhausaheb Vartak for the noble cause of education in rural areas.

Vidyavardhini's College of Engineering and Technology, Vasai is located on the sprawling campus of Vidyavardhini, spread over an area of 12.27 acres. It is a short, two minutes walk from Vasai Road (W) Railway Station. The college is also accessible by road from Mumbai.

Vidyavardhini Society received approval from AICTE to start the new college of Engineering & Technology with effect from July, 1994. The college is affiliated to the University of Mumbai for the four year degree program leading to the degree of Bachelor of Engineering in six branches.

Objective of VNC 2020 TASU

Technology has always been potential tool for simplifying the way we do things. Present time demands directing the technological advancements towards addressing societal challenges such as improving health care, education environment, sanitation, agriculture, smart city, etc., VNC 2020 TASU aims to provide an opportunity to researchers, academicians, Industrialist and students to interact and share their ideologies and contributions made for social upliftment with the aid of technological advancements.

Call for paper

We welcome submission in following area

1. Sustainable Computing
 2. High Performance Computing
 3. High Speed Networking and Information Security
 4. Software Engineering and Emerging Technologies
 5. Mathematical, Experimental, Computational and AI, IoT Techniques in Mechanical Engg.
 6. Industrial Engg., ERP, MRP, SCM
 7. Renewable Energy Technologies
 8. Pollution control and Waste Management
 9. Advances in Structural engineering
 10. Present geotechnical practices
 11. Present practices in construction management
 12. Recent developments in Instrumentation, control and automation
 13. Embedded Systems, IoT and VLSI Design
 14. Optical and Wireless Communication for NGN
 15. Antenna and Microwave Devices
- Any other relevant topics

Important Dates:

- Submission of full length paper
15th Feb 2020
- Paper Acceptance Notification
22nd Feb 2020
- Submission of Final Version of Paper
29th Feb 2020
- Registration Deadline
5th March 2020
- PPT Submission
20th March 2020
- Conference
4th April 2020

Registration Fee Details:

Category of Delegates / Authors	Indian Authors & Delegates (in INR)
Full Time Students (UG)	1,500.00
Teachers/ Research Scholars/ PG students	2,500.00
Industry	3,500.00

Publication Information

Proceedings of VNC - 2020 TASU will be published with ISBN number

1. Selected Papers will be published in International Journal of Information Technology, Published by Springer Nature, ISSN: 2511-2104 (Print Version), ISSN: 2511-2112 (Electronic Version)

2. All papers will be published in IJERT, ISSN: 2278-0181

Paper Submission:

Paper submission should be made strictly via Easy Chair the submission link for VNC 2020 -TASU:

www.easychair.org/conferences/?conf=vnc2020

Download paper template from:

https://www.vcet.edu.in/vnc2020/Template_For_Full_Paper%20VNC%202020.doc

Contact Us:

Mr. Yogesh P. Pingle
Vidyavardhini's College of
Engineering & Technology
K.T. Marg, Vasai (W) - 401202
Maharashtra, India
Contact No.: 9665009742
Email ID: vnc20@vcet.edu.in
Website: www.vcet.edu.in/vnc2020

***Best paper award
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A Systematic Overview of India's Smart City Mission

Swapnil Ratnakar Mane

Department of Mech. Engg.
Vidyavardhini's College of Engg. & Tech. Vasai, India

Vishwas Mahadeo Palve

Department of Mech. Engg.
Vidyavardhini's College of Engg. & Tech. Vasai, India

Parag S. Sarode

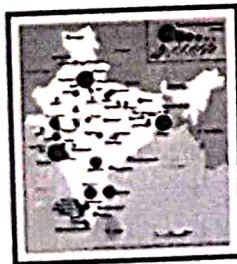
Department of Mech. Engg.
Vidyavardhini's College of Engg. & Tech. Vasai, India

Abstract—India is experiencing huge urban agglomerations in recent times which pose a huge challenge to the city's infrastructure and growth. In order to keep pace with the development of the country, the cities must become smart to provide core infrastructure and give a decent quality of life to its citizens, a clean and sustainable environment with the application of smart solutions. This paper presents a systematic overview of the objectives, selection procedures, strategy for implementation, and financing of India's Smart City Mission recently launched by the Government of India. The later part of the article discuss the challenges encountered in the smooth implementation of the mission and what steps can be taken to overcome this challenges.

Index Terms—smart city, sustainable development, urban agglomerations

I. INTRODUCTION

With more than 70 years since independence, India continues to provide its citizen a better quality of life. India has made progress in improving life expectancy, literacy, but has been slower in improving the level of income and reducing infant mortality rates when compared to other developing countries. Providing better infrastructure, transport facility and affordable living to all income groups is a challenge to the governing authorities as they will need to address the ever-increasing population of the country. Latest Census data shows that 475 cities or urban agglomerations (UA) situated in various parts of the country registered a population of over 100,000 each; together, these accounted for about 70% of India's total urban population of 377.11 million. [1]



(a) Potential smart cities due to urban agglomerations



(b) Air quality at different regions of the country

Fig. 1: Effect of urban agglomerations on the air quality index

It is evident from the above figures that the development of cities causes mismanagement of resources like improper road/rail network, poor sanitation, traffic jams, improper management of solid wastes etc. In order to lead a sustainable lifestyle, one must properly manage the available limited resources in order to achieve effective and affordable solutions to the basic requirements of the citizens. With the stable government in place, India can now set in motion a virtuous cycle of growth and development. India is a land of villages but now-a-days moving towards urbanisation for people aiming for a better income and living style. Urban areas are forecasted to house 40% of the total population of the country contributing to 75% of the GDP by 2030 [2]. In order to cope up with this transition there is a need to make our cities smart. Development of Smart Cities is a step in that direction.

A. Objectives of a Smart City

The prevailing infrastructure of a developing city create serious implications for the ecosystem of the city and its inhabitants. Indian cities are under utilizing the resources which can attract foreign investments in the projects. Various schemes were introduced to make the cities develop with the intervention of government but there was strong resistance in the success of these schemes which are summarized as follows. India's Smart Cities Mission (SCM) is a national

S. No.	Centrally Sponsored Scheme	Duration			Urban Corpus Created (Million)	Total Central Outlay (Million)	Funding Pattern (Rs. Crore)		
		Start Year	End Year	Total Years			Centre	State	Local City*
1	DMRT	1979-80	2000	20	1854	1.1	50	40	25-40
2	Smart City	1999-04	2000	12	1.6	73	20	10	10
3	Jawahar	2000	2010	10	60	60	10	10	10
4	Smart Cities	2015-16	2019-20	5	100	400	50	50	50

Fig. 2: Major Urban Development Schemes Launched in India, 1979-2015

initiative by the Ministry of Urban Development (MoUD) to build a foundation for 100 smart cities in five years (FY 2015-16 to FY 2019-20) [3]. Table 2 summarizes the progress made by the mission to inculcate the guidelines, mechanism and implementation regarding smart cities to overcome all the

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VNC - 2020 TASU
27th June, 2020

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Certificate of Participation

This certificate is presented to
Swapnil Ratnakar Mane
of
Vidyavardhini's College of Engineering & Technology

for presenting paper titled
A systematic overview of India's smart city mission

in the Vidyavardhini's National conference 2020 "Technical Advancements for
Social upliftments" organised by Vidyavardhini's College of Engineering and
Technology, Vasai held on 27th June, 2020

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