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**Contact Details**

Prof. N.S. Narahari, 080-6717 8032, 9880311128, naraharins@rvce.edu.in

Prof. M.S. Nagakumar, 080-6717 8319, 9740771475, nagakumar@rvce.edu.in

Web: <http://www.its2017.rvce.edu.in>

**R.V. COLLEGE OF ENGINEERING**

(Autonomous Institution affiliated to Visvesvaraya Technological University, Belagavi)

R.V. Vidyaniketan Post, Mysuru Road, Bengaluru - 560 059, INDIA

Phone: +91-80-6717 8020::Fax: +91-80-6717 8011::Web: [www.rvce.edu.in](http://www.rvce.edu.in)

**TEQIP-II Subcomponent 1.2****National Conference  
on****LEVERAGING INTELLIGENT TRANSPORTATION  
SYSTEM FOR ENABLING SMART CITIES  
(ITS-2017)****2-4 March, 2017***Jointly Organized by***Departments of  
Civil Engineering****Computer Science & Engineering  
Industrial Engineering & Management  
Information Science & Engineering**

## About the Conference

A smart city is an urban development vision to integrate multiple Information and Communication Technologies (ICT) solution in a secure fashion to manage a city's assets. The goal of building a smart city is to improve quality of life by using urban informatics and technology to improve the efficiency of services to the public. Intelligent Transport System (ITS) is an important enabler for smart cities. ITS holds promise for a sustainable and balanced transportation solution. ITS technologies enable gathering of data or intelligence and then providing timely feedback to traffic managers and road-users. ITS results in improved safety to drivers, better traffic efficiency, reduced traffic congestion, improved energy efficiency & environmental quality and enhanced economic productivity.

This conference is an interdisciplinary forum which brings together leading academicians, engineers, scientists, researchers, industrial experts, practitioners and entrepreneurs who are already working on various aspects in the area of ITS. This Conference provides an opportunity to exchange and share their experiences, solutions and suggestions based on the research conducted and conclusions derived from it. The conference is structured with a pre-conference tutorial, high-level key note and plenary sessions, technical paper presentation sessions and ground breaking panel discussions.

The conference is organized under TEQIP-II, Sub component 1.2. During the deliberations, the current developments in strategies & policies, technology & systems, analytics and capacity building for ITS will be reviewed.

## About the Institution

R.V.College of Engineering (RVCE) established in 1963 is one of the earliest self-financing engineering colleges in the country. The institution is run by Rashtreeya Sikshana Samithi Trust (RSST) a not for profit Trust. RVCE is an Autonomous college. Currently, the institution offers 12 Bachelor, 21 Master Programs and all the departments have research centres, affiliated to Visvesvaraya Technological University (VTU) Belagavi. The institution has set itself a Vision "Leadership in Quality Technical Education, Interdisciplinary Research & Innovation, With a Focus on Sustainable and Inclusive Technology". Recent awards and achievements includes "Engineering College of the Year-2015" by the Higher Education Review Magazine, Certified as 'Global League Institute' by Great Place to Study Research Institute (GPSRI), Ranked 35<sup>th</sup> in the Country by National Institutional Ranking Framework (NIRF) out of 5000 plus engineering colleges in the country, Ranked 7<sup>th</sup> among the top 113 Pvt. Engg. Colleges by The Week Magazine, The institution has been accredited by NAAC. All UG programmes have been accredited multiple times. The College currently has a student strength in excess of 5500, faculty strength of more than 400, technical & administrative staff of 256 and about 250 research scholars are pursuing Ph.D. RVCE has been conducting several FDPs, Conferences and Workshops under TEQIP to enhance the knowledge base.

## Conference Tracks

### Track 1: Strategies and Policies

- Traffic Operations Centers (TOCs)
- Congestion Pricing/Electronic Road Pricing (ERP)
- Fee-Based Express (HOT) Lanes
- Vehicle-Miles Traveled (VMT) Usage Fees
- Variable Parking Fees
- Electronic Fare Payment (example, Smart Cards)
- Intelligent Speed Adaptation (ISA)

### Track 2: Technology and Systems

- Wireless Traffic Control System
- Real Time Traffic Counting & Monitoring System
- Intelligent Parking Lot Management System
- Advanced Travelers Information System
- Red Light Violation Detection System
- Intelligent Traffic Congestion Management System using various technologies
- Global Navigation Satellite System (GNSS)
- Route Guidance/Navigation Systems

## Conference Tracks Contd....

### Track 3: Capacity Building for ITS

- Dedicated-Short-Range Communications
- Wireless Networks
- Mobile Telephony
- Radio wave or Infrared Beacons
- Roadside Camera Recognition
- Probe Vehicles or Devices
- Adaptive Traffic Signal Control
- Dynamic Message Signs (or "Variable" Message Signs)
- Ramp Metering
- Electronic Toll Collection (ETC)
- Automatic Vehicle Location (AVL)
- Cooperative Intersection Collision Avoidance System (CICAS)

### Track 4: Analytics for ITS

- Intelligent Transit Trip Planner and Real-time Route Information
- Real-time Traffic Information Provision Parking Information
- Roadside Weather Information Systems
- Real-time Status Information for Public Transit System (e.g. Bus, Subway, Rail)

## Call for Papers:

The authors are encouraged to submit high quality technical paper for oral presentation at the conference including original research work that has not been previously published and is not currently submitted for consideration elsewhere. Authors are requested to submit their manuscript (full length paper) in PDF format, not exceeding 6 pages in A4 size through online submission procedure at <http://www.its2017.rvce.edu.in> and [its2017@rvce.edu.in](mailto:its2017@rvce.edu.in) on or before 15<sup>th</sup> February, 2017. The manuscript should be in standard IEEE conference format. All submission will be handled electronically and peer reviewed by a panel of expert reviewers.

## Important Dates

Important Dates	
Full Paper Submission	On or before 15 <sup>th</sup> Feb 2017
Acceptance Notification	On or before 22 <sup>nd</sup> Feb 2017
Camera Ready Submission	On or before 26 <sup>th</sup> Feb 2017
Early Bird Registration	On or before 24 <sup>th</sup> Feb 2017
Last Date Registration	26 <sup>th</sup> Feb 2017
Pre Conference Visit	02 <sup>nd</sup> Mar 2017
Conference	03 <sup>rd</sup> - 04 <sup>th</sup> Mar 2017

## Registration

At least one of the authors should register to participate in the conference. Peer reviewed and selected papers will be published in the In-house Journal. Registration can be done by mailing the completed registration form along with the fee.

## Registration Details

Category	Registration Fee (inclusive of 15% Service Tax)		
	Tutorial	Conference	Combined
Student/Research Scholars	₹ 500 + 75 = 575	₹ 1000 + 150 = 1150	₹ 1300 + 195 = 1495
Academicians	₹ 1500 + 225 = 1725	₹ 4000 + 600 = 4600	₹ 5000 + 750 = 5750
Working Professionals	₹ 2000 + 300 = 2300	₹ 6000 + 900 = 6900	₹ 7000 + 1050 = 8050