



**SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY AND MANAGEMENT**



[A unit of Shri Sode Vadiraja Mutt Education Trust[®], Udupi]
Vishwothama Nagar, Bantakal - 574 115 - Udupi District, Karnataka

**Student's National Convention
and
Project Exhibition
on
*Industrial Internet of Things***

IIoT-2K18

October 27, 2018



About SMVITM

Founded in 2010 by H.H. Shri Vishwavallabha Theertha Swamiji of Shri Sode Vadiraja Mutt – one of the 700 plus years old Ashta Mutts associated with the world famous Shri Krishna temple of Udupi in Karnataka- Shri Madhwa Vadiraja Institute of Technology & Management (SMVITM), situated at Bantakal in Udupi has carved a niche for itself in imparting quality engineering education in the coastal Karnataka region. The motto “Engineering your Career and Character with Care” well reflects the objectives and philosophy of the institute. Despite, being the youngest institute in the region, SMVITM has made remarkable strides in its journey towards excellence over the past eight years and has emerged as the most promising engineering institute with its well-qualified and motivated faculty, state-of-the-art infrastructure and distinguished learning-centric facilities.



Industrial Internet of Things

Industrial Internet of Things (IIoT) is a trending and buzzword, which has created lot of excitement among the corporate sector, academia, research scholars and scientific community. It is envisioned as the next big revolution in the technical landscape. It deals with the network of physical objects or “things” embedded with electronics, software, sensors and network connectivity, which enables these objects to collect and exchange data. The advantages and capabilities of IoT are multifarious.

The interconnection of devices will lead to a major paradigm shift, where the world will be heading towards an automated era, which will pave the way for new verticals and horizontals in the industry.

Applications

1. Digital/connected factory
2. Facility management
3. Production flow monitoring
4. Inventory management
5. Plant Safety and Security
6. Quality control
7. Packaging Optimization
8. Logistics and Supply Chain Optimization



IIoT-2K15

The institute under the aegis of the Faculty and Student Chapter of the Indian Society for Technical Education (ISTE) at the institute, in association with SangamOne Connected Services Ltd., Mangalore, organized, an intra-collegiate project model exhibition-cum-competition on Industrial Internet of Things at the institute premises on August 15, 2015.

Totally, eighteen teams across the disciplines of engineering exhibited their model and 14 teams actively participated in the poster presentation competition. The Jury panel comprised of industry experts with rich experience in diverse domains. The esteemed guest who graced over the inaugural and valedictory function of the event deeply appreciated the innovative prototypes developed by the inter disciplinary teams of the institute.

Experts Visited:

Mr. K. V. Raghav Kamath



Corporation Bank

Mr. Abdullah Khan



Mr. Chandrashekar Rao Kuthyar



IIoT-2K16

A state level Student Symposium/Project Exhibition on Industrial Internet of Things (IIOT - 2K16) was organized under the aegis of the Student Chapters of the Indian Society for Technical Education (ISTE) and Internet of Things (IoT) Club at the institute premises on 04 November 2016. Thirty teams from various engineering colleges across the state exhibited their project models in the event.

Focus Areas

- Home and Building Automation, Smart Traffic and Smart Healthcare
- Retail Industry and Smart Logistics, Agro Industry and equipment, Defence and Aviation Industry
- CRM for highway management, SCM for Construction material supply, ERP for construction management
- Electronics and mobile industry, Power and Energy Sector and Fashion Industry

Experts Visited

Mr. Rajashekar V. Maiya



Mr. Venkat Kumar Sivaramamurthy



Mr. Chandrashekar Rao Kuthyar



Mr. Devesh Rajadhyax



Prof. Dr. Radhakrishna S. Aithal



IIoT-2K17

A state level Student Symposium/Project Exhibition on Industrial Internet of Things (IIOT - 2K17) was organized under the aegis of the Student Chapter of the Indian Society for Technical Education (ISTE), Internet of Things (IoT) Club and IEEE Mangalore Sub Section organized a state level Student Symposium on Industrial Internet of Things (IIOT - 2K17) at the institute premises on 10 November 2017. A wide spectrum of working prototypes developed on the idea of deploying key IoT features in solving industrial problems were showcased in the event by the 33 student groups which culminated from the various parts of Karnataka state.

Focus Areas

- Industrial production, Sale and maintenance controls, Connected cars.
- Personal and Home health care, Hospitals, Patient monitoring systems, Baby care systems.
- Smart surveillance, Smart fencing and drones, IOT aided robotics in military environment.
- Smart baggage tracking, Smart ATC, Smart grid, Smart solar systems, Smart clothing.

Experts Visited

Dr. Narendranath Udupa



Mr. Bhuvan K Shetty



Mr. Karthik K



Mr. Praveen Kumar Kalbhavi



Mr. Chandrashekar Rao Kuthyar



Dr. Mohit Tahiliani, Professor

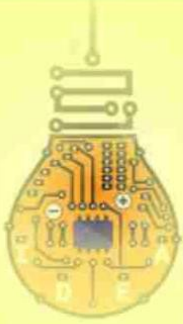
Dr. Radhika M Pai, Professor

Dr. D K Sreekantha , Professor



Mr. Devesh Rajadhyax





IIoT - 2K18

Project Exhibition

- Each team may comprise of minimum one member and a maximum of four members. Interdisciplinary teams comprising members from different branches are also allowed.
- Only working project models are allowed at the competition.
- Each team must submit the general electrical and networking infrastructure required for their project demonstration along with the registration form.
- The brief project report must be sent to iiotsmvitm@sode-edu.in on or before October 20, 2018.

Student's Convention

- The contributions should be of high quality, original work and not published elsewhere. The authors are required to submit the full paper strictly as per the IEEE template.
 - All submitted papers will be reviewed by a technical review committee through a fair and rigorous peer review process.
- After intimation of acceptance, camera ready paper should be mailed to iiotsmvitm@sode-edu.in along with the registration fee.

Registration Fees:

Project Exhibition

₹750

Student's Convention

₹500

Important Deadlines

Paper submission- September 24, 2018

Notification of acceptance- September 29, 2018

Registration- October 8, 2018



Organising Committee

Chief Patron

H.H. Shri Vishwavallabha Theertha Swamiji
Shri Sode Vadiraja Mutt, Udupi
President, SSVMET
Chairman, Governing Council

Governing Council Patrons

Shri P Srinivasa Tantry
Vice President, SSVMET, Udupi

Shri Rathnakumar
Secretary, SSVMET, Udupi

Chairman

Prof. Dr. Thirumaleshwara Bhat
Principal, SMVITM

Convener

Prof. Dr. Vasudeva
Head, Dept. of CS & Engg., SMVITM

Student Coordinators

Ms. Samanvitha A Bhagavath
Final year, CSE, SMVITM

Mr. Shrivishnu
Final year, CSE, SMVITM

Advisory Committee

Mr.Chandrashekar Rao Kuthyar
Lead Consultant
SangamOne Connected Services

Dr. Narendranath Udupa
Head, Dept of Lighting Research, Philips

Mr.Bhuvan K Shetty
Senior Manager,
Enterprise Internet of Things (IoT),
Bosch Engineering and Business Solutions

Prof. Dr. Balachandra Achar H.V.
Head, Dept. of E&C Engg., SMVITM

Prof. Dr. Sudarshan Rao K
Head, Dept. of Mechanical Engg., SMVITM

Prof. Anand V R
Head, Dept. of Civil Engg., SMVITM

Prof. Dr. Ravindra H.J
Head, Dept. of Physics, SMVITM

Prof. Dr. Reena Kumari P.D.
Head, Dept. of Chemistry, SMVITM

Prof. Dr. Lolita Priya Castelino
Head, Dept. of Mathematics, SMVITM

Participants are requested to register and pay the prescribed registration fee either through a Demand Draft in favour of ISTE chapter payable at Udupi or through NEFT transaction.

The DD must be sent to the given contact address by post.

A/c number : 0822500100566601
A/c Name : ISTE Chapter
Type of A/c : Savings Bank
Name of the Bank : Karnataka Bank
Branch : Bantakal
IFS Code : KARB0000082

For registration and other details



Our Partners:



We are available at:



www.sode-edu.in



iiotsmvitm@sode-edu.in



www.facebook.com/smvitmiot/



www.instagram.com/iiot_2k18/



**THE CONVENER, IIoT 2K18
SMVITM, Vishwothama Nagar, Bantakal,
Udupi - 574 115**



Tel: +91 820 2589 182/183, Fax: +91 820 2589 184

Student Coordinators:

**Mr. Shrivishnu
+91 96321 38493**

**Ms. Samanvitha
+91 94839 27651**