M.S. Sunil Kumar is Assistant Professor in the Department of Construction Technology and Management at Sri Jayachamarajendra College of Engineering, Mysuru having Seven years of teaching and research & Consultancy. He obtained his Bachelor degree in Civil Engineering from P.E.S College of Engineering, Mandya & obtained his Master degree in Industrial Structures from Sri Jayachamarajendra College of Engineering, Mysuru under Visvesvaraya Technological University in the year 2005 & 2009 respectively . Currently he is pursuing his Ph.D under Visvesvaraya Technological University, Belagavi. He has attended the conference and training program on “Best Value Practices” conducted by Dr. Dean Kashiwagi, Performance Based Studies Research Group (PBSRG), Arizona State University, at Tempe, USA in January 2014. He has offered the course on “Information Measurement Theory (IMT)” for the undergraduate students at SJCE, Mysuru, which is a prerequisite for Performance Information Procurement System (PIPS). He has successfully organized many International, national conferences and workshops. He is the departmental coordinator for TEQIP, a world bank assisted Government of India project for the Department of Construction Technology and management, SJCE, Mysuru.

Who can attend the course?
Students at all levels (BTech/MSc/MTech/PhD) or Faculty Members from academic institutions and technical institutions, Executives, engineers, consultants and professionals from various private and government organizations can attend the course.
Overview

In this course, participants are exposed to a new supply chain management process called the Performance Information Procurement System (PIPS) / Performance Information Risk Management System (PIRMS) developed by the Performance Based Studies Research Group (PBSRG), an internationally renowned research group at Arizona State University, USA. The PIPS/PIRMS has consistently documented high performance results in industry for over 20 years to include: 1800+ ($6.4B) projects and services delivered, 95% customer satisfaction, 9.0/10 client rating of process, implemented in 32 States and 7 Countries, 45 Arizona State University licenses (most licensed technology at ASU), decreased the cost of services on average by 31% and decreased client efforts by up to 79%. No other course teaches a supply chain management model like the PIPS/PIRMS. From this multifaceted process, participants will learn and understand its new paradigms to include: the delivery and administration of professional services, a new contract model, a new project management model, and a new risk management model that reduces a project’s element of surprise and increases the accountability of all stakeholders.

Objectives

◆ To teach combined knowledge of innovative technologies, construction principles and business management to lead a wide variety of construction projects from residential and commercial buildings to infrastructure projects.
◆ To optimize supply chains and stakeholders’ organizations.
◆ To teach how to become responsible leaders in the construction industry through organization, leadership, and current/innovative management techniques.
◆ To make every constructor capable of effectively managing personnel, materials, equipment, costs, and time.
◆ To effectively communicate and understand their role as a member of a multi-disciplinary team, assessment of project risk, and alternate methods that can be used to structure the owner-designer-constructor team.
◆ To create transparency using metrics to minimize risk.
◆ To identify how IMT and PIPS can be used to make drastic changes in the industry, in organizations, and in personal lives.
◆ To explain the structure of the construction industry and the challenges of subcontractors.

Course Schedule (2 Credits)

- Deductive Logic Information Measurement.
- Industry Structure.
- Standards.
- New Risk Management Model.
- New Risk Model Creates Transparency.
- Risk Management Model related videos and discussions.
- Language of Metrics.
- Impact of Metrics on Risk.
- Impact of Metrics related videos and discussions.
- Delivery of Services.
- Impact on Construction Industry.
- Spectrum of Observation.
- Analysis through related videos and discussions.
- Supply Chain Optimization.
- Change of Paradigm.
- Study of related videos and discussions.
- Use of Transparency to Minimize Risk.
- Implementation of Concepts.
- Examination, Evaluation of students and discussion for way forward.

About SJCE

Sri Jayachamarajendra College of Engineering (SJCE) is a private technical co-educational college located in Mysuru, Karnataka, India. Established in 1963, SJCE has 12 departments in engineering, a Master of Computer Applications department & MBA Program. It is affiliated to the Visvesvaraya Technological University, Belgaum. The undergraduate & postgraduate courses are granted academic autonomy by the university. SJCE is accredited by the All India Council for Technical Education (AICTE). It was founded and is managed by the JSS Mahavidyapeetha. The Institution serves as one of the major landmarks of the western part of mysuru, with its sprawling 117 acres of campus and several recognizable buildings. As one of the leading institutes in India, SJCE has been recognized under the Technical Education Quality Improvement Programme (TEQIP). It was Successful in first phase and has been performing exceptionally well in the second phase with focus on research, innovation and postgraduate programs.

About CT&M

The Department of Construction Technology & Management (CT&M) was established in 2004. The CT&M functions as a center of teaching, learning, and research in Building services, Concrete Technology and Construction Management. The unique combination of 12 faculty members with expertise in structural engineering, concrete technology, construction technology & management brings in an interdisciplinary teaching and research culture within the department. With this and the excellent laboratory facilities, the department is one of the best in its areas of expertise. The placement in the department is good and the students are well-placed in industry and academia at national and international levels. At present the department is practicing outcome based education as per national board of accreditation. For more details about the department and the programme, contact Dr. M. C. Nataraja, Professor and HOD of CT&M, Ph. 9880447742

Important Dates

- Last Date for Receiving Applications: 25th June 2016
- Intimation to participants: 28th June 2016
- Course Dates: 4th to 16th July 2016

Registration Fees

- Students & Faculty of host Institution: Free
- Students & Faculty of other Academic Institutions: Rs. 1,000/-
- Industry/ Research/ Service Organizations: Rs. 5,000/-
- Participants from abroad: US $300

* ID Proof to be Submitted
** All Payments should be made in form of demand drafts in favor of “Principal SJCE, Mysore”
** The above fee includes training program, and computer use for tutorials & assignments. Participants need to make their own arrangements for food and accommodation.