

## WEB CLUB

Faculty: Dr. S M Kulkarni

Secretary: Rajashekhar S S

Joint Secretary: Chandan B S

---



**Name:** Dr. Prasad Krishna

**Designation:** Professor and Head, TEQIP Coordinator

**Qualifications:** *Ph.D. (University of Michigan, Ann Arbor, USA), Manufacturing  
M. Tech (IIT Madras), Machine Tools  
B. Tech (NITK/KREC Surathkal), Mechanical Engineering*

**Office (Room No):** M113 **(Telephone):** (0) 9481263296

**Email id(s):** krishnprasad@gmail.com

### Courses taught:

Undergraduate (B. Tech) level	Graduate (M. Tech) level
Machine Tools and Metrology	CAD/CAM
Elements of Mechanical Engineering	Design and Manufacturing
Measurements, Instrumentation and Control	Fluid Mechanics and Heat Transfer
Hydraulics and Pneumatic Control	Computer Graphics
Oil Hydraulics	Machine Tool Design and Analysis
Manufacturing Technology	Thermodynamics of Materials
NC & Automation	Mechanics of Composites
Control Systems Engineering	Ceramics Science and Technology
Instrumentation and Control Systems	Fluid Power Control
Materials Science and Metallurgy	Materials Selection in Mechanical Design
Tool Engineering and Design	Mechanical Behaviour of Materials
Design of Jigs and Fixtures	Powder Metallurgy
Linear System Analysis	Solidification Processing

## WEB CLUB

Faculty: Dr. S M Kulkarni

Secretary: Rajashekhar S S

Joint Secretary: Chandan B S

---

Modern Manufacturing System	Mechatronics
Pneumatic Drives and Control	Machining Science
In addition, Lab. Courses namely CAD/CAM Laboratory, Production Engineering Laboratory, Metrology Laboratory, Materials Technology Lab., Mechatronics Lab., Machine Shop Practice, Smithy, Foundry, Welding, Carpentry and sheet metal labs.	

### Research Interests:

- ❖ CNC Machine Tools and Robot Calibration
- ❖ Error compensation strategies for CNC Machine Tools
- ❖ High Speed spindles and High Speed Indexing Turret for CNC Turning Centers
- ❖ Fluid Power Control Systems
- ❖ Processing of Advanced Materials and light alloys
- ❖ Modeling and Simulation of Solidification Processes
- ❖ Characterization of Interfacial Heat Transfer in Permanent Mold Casting Processes

### Research Publications:

1. Jathindranath. M and Prof. Prasad Krishna, "Design and Control of a Low Cost Wheeled Inverted Pendulum Robot" has been accepted for publication in International Journal of Earth Sciences and Engineering, 2012.
2. Manjunath Patel G C and Prasad Krishna, "Prediction and Optimization of Dimensional Shrinkage Variations in Injection Moulded Parts using Forward and Reverse Mapping of Artificial Neural Networks", Advanced Materials Research Vols. 463-464 (2012) pp 674-678.
3. Devi Prasad, Prof. Prasad Krishna, Dr. Shrikantha S. Rao, "Prediction of Surface Finish and Optimization of Machining Parameters in Turning", Advanced Materials Research Vols. 463-464 (2012) pp 679-683.
4. Anil Rajan Jacob, Chetan Kohli, Aayush Kant, Abhishek Patro and Prasad Krishna, "A study of COR Characteristics in a Cricket bat-Theoretical and Analytical", International Journal of Sports Science and Physical Education, Vol.2, issue 2, July 2011.
5. Samrajya Lakshmi and Prasad Krishna, "Analytical prediction of stability lobes in high-speed milling and their application to micromilling", International Journal of Manufacturing Technology and Management, Vol.13, No.2-4 / 2008, pp.146 – 16.
6. Prasad Krishna, "Global Trends in Engineering Accreditation Systems in the context of International Engineering Alliance", The Indian Journal of Technical Education Vol.31, No.1, Jan-Mar, 2008, pp.83-89.