



# Visvesvaraya Technological University

“Jnana Sangama”, Belgaum – 590 018, Karnataka State

**REGISTRAR**

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Ref. No VTU / Aca. / 2010-11 / A-9 / 6805

Date: 09 sep 2010

Following is the schedule for presentation by the Investigators of short-listed project proposals 2010-11:

The Investigators have to give 15 minutes PPT presentation with 10 to 12 slides which should cover the following:

- 1) Justification for the project
- 2) Aims and goals
- 3) Methodology
- 4) Financial Outlay

**Stream:** V - Mechanical Engineering

**Venue of Presentation:** VTU Regional Office, 1<sup>st</sup> Block, Jayanagar, Near Ashoka Pillar, Bangalore

Official letters are already dispatched.

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## SCHEDULE FOR PRESENTATION

Sl. No.	Name of the Institute	Title of the Proposal	Name of Investigators	Dept.	Date & Time
V/1	Amruta Institute of Engineering & Management Sciences, Bangalore	The effect of Physical, Chemical and Mechanical Environments on Self Assembly in Nano-fabrication	Sri Mahesh Lohith K S (PI) Dr. Vinita V Sondur (CoI)	Physics	<b>16-09-2010</b> 10.30 a.m. to 10.50 a.m.
V/2	B L D E A College of Engineering & Technology, Bijapur	Experimental Investigations on Board Level and Chassis Level Electronic Packaging Subjected to Dynamic Loads	Dr. M I Sakri (PI)	Mech. Engg.	<b>16-09-2010</b> 10.50 a.m. to 11.10 a.m.
V/4	B T L Institute of Technology & Management, Bangalore	Tool Wear and Surface Integrity Evaluations during High Speed Machining of Hardened Steel	Dr. S N Kulkarni (PI) Sri Suresh R (CoI)	Mech. Engg.	<b>16-09-2010</b> 11.10 a.m. to 11.30 a.m.
V/7	B V B College of Engineering & Technology, Hubli	Development of Simulation Package and Test facilities to Evaluate performance of Solar Photovoltaic Thermal Hybrid Systems	Dr. P G Tewari (PI) Sri M B Gorwar (CoI)	Mech. Engg.	<b>16-09-2010</b> 11.30 a.m. to 11.50 a.m.
V/8	B V B College of Engineering & Technology, Hubli	Hydrogen and CNG Injection in a Biodiesel Operated Dual Fuel Engine and their Feasibility Studies	Dr. Nagaraj R Banapurmath (PI) Dr. P G Tewari (CoI)	Mech. Engg.	<b>16-09-2010</b> 11.50 a.m. to 12.10 p.m.
V/9	Ballari Institute of Technology & Management, Bellary	Condition & Structural Health Monitoring of Rotating Machine	Dr. Yadavalli Basavaraj (PI) Sri Raghavendra Joshi (CoI)	Mech. Engg.	<b>16-09-2010</b> 12.10 p.m. to 12.30 p.m.
V/10	Bapuji Institute of Engineering & Technology, Davangere	Design and Development of High Temp Creep Testing Setup for Metal Matrix and Polymer Composites	Dr. K Sadashivappa (PI) Sri Sharan A S (CoI)	I & P Engg.	<b>16-09-2010</b> 12.30 p.m. to 12.50 p.m.
V/11	Cambridge Institute of Technology, Bangalore	Investigations on Integrated Modal Analysis Process for Product Validation of Automotive Enterprises	Dr. K Elangovan (PI)	Mech. Engg.	<b>16-09-2010</b> 12.50 p.m. to 1.10 p.m.
V/14	Dr. Ambedkar Institute of Technology, Bangalore	Diagnostics of Submersible Motors and Pumps	Dr. Nandeешaiah (PI) Sri A S Jayaram (CoI)	Mech. Engg.	<b>16-09-2010</b> 1.10 p.m. to 1.30 p.m.
V/16	East Point College of Engineering & Technology, Bangalore	Development of Stirling Cycle Cryo cooler driven by Thermo Acoustic Engine	Dr. N Nagaraja (PI) Dr. R Venkatram (CoI)	Mech. Engg.	<b>16-09-2010</b> 2.00 p.m. to 2.20 p.m.
V/18	Ghousia College of Engineering, Ramanagaram	Theoretical and Experimental Investigation of the Over-Speed Capability of Shear-Pin Joints of Turbine Blades and Discs	Dr. Mir Safiulla (PI) Mr. Fazal Ur Rahman (CoI)	Mech. Engg.	<b>16-09-2010</b> 2.20 p.m. to 2.40 p.m.
V/21	Jawaharlal Nehru National College of Engineering, Shimoga	A study on Reliability based Maintenance Machine Tools using Vibration Signals	Dr. H N Suresh (PI) Sri K M Basappaji (CoI)	Mech. Engg.	<b>16-09-2010</b> 2.40 p.m. to 3.00 p.m.

V/24	KLS Gogte Institute of Technology, Belgaum	To Study the Effect of use of Biodiesels on Exhaust Emissions of a variable compression ratio (VCR) CI Engine	Sri H K Amarnath (PI) Dr. V S Majali (CoI)	Mech. Engg.	<b>16-09-2010</b> 3.00 p.m. to 3.20 p.m.
V/25	M S Engineering College, Bangalore	Development of thin film sensors for static and dynamic strain measurement under harsh environments	Sri S Sreenivas (PI) Dr. M M Benal (CoI)	Mech. Engg.	<b>16-09-2010</b> 3.20 p.m. to 3.40 p.m.
V/26	M S Ramaiah Institute of Technology, Bangalore	Convection in Bidispersive porous media	Dr. V Ramachandramurthy (PI) Sri Mahesha N (CoI)	Mathematics	<b>16-09-2010</b> 3.40 p.m. to 4.00 p.m.
V/27	M S Ramaiah Institute of Technology, Bangalore	Investigative Studies on Crack Growth and Propagation Under Fatigue and Impact Loading	Dr. P Dinesh (PI) Sri Aruna Kumara P C (CoI)	Mech. Engg.	<b>16-09-2010</b> 4.00 p.m. to 4.20 p.m.
V/28	M S Ramaiah Institute of Technology, Bangalore	Enhancing Fuel Economy of Automobiles through Design of Experiments	Dr. N V R Naidu (PI) Sri M Rajesh (CoI)	I E M	<b>16-09-2010</b> 4.20 p.m. to 4.40 p.m.
V/29	M V J College of Engineering, Bangalore	Investigation of Heat and Fluid Flow in Porous Media	Dr. Venkatesh M Kulkarni (PI)	Mech. Engg.	<b>17-09-2010</b> 10.30 a.m. to 10.50 a.m.
V/30	M V J College of Engineering, Bangalore	Investigation of effects and hazards of wind flow on buildings in multiple arrangements using CFD	Dr. Sarat Kumar Maharana (PI) Mr. Janardhana K (CoI)	Aeronautical Engg.	<b>17-09-2010</b> 10.50 a.m. to 11.10 a.m.
V/32	Malnad College of Engineering, Hassan	Vibration and Acoustic Emission Analysis of Polymer Bearing	Dr. D V Girish (PI) Sri Attel Manjunath (CoI)	Mech. Engg.	<b>17-09-2010</b> 11.10 a.m. to 11.30 a.m.
V/33	N M A M Institute of Technology, Nitte	Investigations on machining depth control in micro-electro-discharge machining (micro-EDM) process using 3D process simulation	Sri Muralidhara (PI) Sri T V Venugopal (CoI)	Mech. Engg.	<b>17-09-2010</b> 11.30 a.m. to 11.50 a.m.
V/41	Reva Institute of Technology & Management, Bangalore	Studies on rapid fabrication of metal coated Stereolithography (SLA) components for enhanced surface integrity and functional compliance	Dr. Sukanya Dhar (PI) Mr. Raju B S (CoI)	Mech. Engg.	<b>17-09-2010</b> 11.50 a.m. to 12.10 p.m.
V/44	S J M Institute of Technology, Chitradurga	Studies on the reinforced Al <sub>3</sub> Ti, AlB <sub>2</sub> , TiB <sub>2</sub> & Al <sub>4</sub> Sr intermetallic particles and their influence at high temperature wear performance of A413 (Al-12% Si) alloy	Sri H R Manohara (PI)	I P E	<b>17-09-2010</b> 12.10 p.m. to 12.30 p.m.
V/48	Siddaganga Institute of Technology, Tumkur	Analysis on Effects of Magnetic Field on Natural Convection in Porous and Non Porous Vertical Cylindrical Annuli	Dr. Prasanna B M R (PI) Sri H S Shivashankar (CoI)	Mathematics	<b>17-09-2010</b> 12.30 p.m. to 12.50 p.m.

V/50	Sir M Visvesvaraya Institute of Technology, Bangalore	Development, Testing and Evaluation of Wax formulation for use in Investment Casting Process	Dr. D N Shivappa (PI) Sri A J K Prasad (CoI)	Mech. Engg.	<b>17-09-2010</b> 12.50 p.m. to 1.10 p.m.
V/52	Sri Jayachamarajendra College of Engineering, Mysore	Design of Special Bicycles for Disabled and Socially Disadvantaged (Disabled Friendly Bicycles / Comfortable Bicycle Rickshaws / Cargo Bicycles)	Dr. A N Hari Rao (PI) Sri P Prasad (CoI)	Mech. Engg.	<b>17-09-2010</b> 1.10 p.m. to 1.30 p.m.
V/53	Sri Jayachamarajendra College of Engineering, Mysore	A study of the Technology Business Incubators and an Analysis of the Key Drivers and Inhibitors	Dr. A N Santosh Kumar (PI) Sri Vinay K B (CoI)	Mech. Engg.	<b>17-09-2010</b> 2.00 p.m. to 2.20 p.m.
V/57	Sri Venkateshwara College of Engineering, Bangalore	Experimental investigations on the feasibility of using raw and biodiesel of Simarouba and their blends, Rubber Seed Oil and their blends in Internal Combustion Engine	Dr. C Prabhakar Reddy (PI) Sri M Udaya Ravi (CoI)	Mech. Engg.	<b>17-09-2010</b> 2.20 p.m. to 2.40 p.m.
II/9	Bangalore Institute of Technology, Bangalore	Indigenous Development of Single and or Multi Wall Carbon Nanotubes by Thermal chemical Vapor Deposition (TCVD) and its Application for making composites	Dr. P Martin Jebraj (PI) Dr. Vidyashankar S (PI) Mr. Prasanna Kumar M K (CoI)	Mech. Engg.	<b>17-09-2010</b> 2.40 p.m. to 3.00 p.m.
IV/57	Nitte Meenakshi Institute of Technology, Bangalore	A Generalized Mathematical Modeling of Separation process by Membrane Filtration with effects of Membrane Fouling	Dr. Indira R (PI) Dr. Dinesh P A (CoI)	Mathematics	<b>17-09-2010</b> 3.00 p.m. to 3.20 p.m.
II/28	M V J College of Engineering, Bangalore	Study of nonlinear analysis of piezolaminated composite (smart composites) structure	Dr. Rajeev Kumar (PI)	Mech. Engg.	<b>17-09-2010</b> 3.20 p.m. to 3.40 p.m.

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