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CEP course on "Automation and Control

Autumation and Control
Applications."

A three Day intense course, reinforcing learning of control systems. Equire the foundation, techniques, methodologies and understanding of the complete automation and control applications

COURSE OUTLINE:

- URSE OUTLINE:
 System dynamics
 Digital controller basics
 System Identification, Adaptation and tuning.
 Robust controller design
 Model predictive controller design
 Control loop performance assessment and highlighting
 need for control er-design, automation using PLC,
 SCADA and Embedded Systems.

 5 TO BE DEVELOPED:
- Scalula and enidedules systems.

 SKILLS TO BE DEVELOPED:

 Understanding of basic control system, their architectures and their limitations.
- Digital control aspects and advances in digital control nethodologies
- Understanding mathematics and solve techniques related to robust control methods
- Hands on-exercises to appreciate the potential of technology.
- Performance assessment methodologies for control systems and improved controller design methods

Registration Details:

- Last date for registration is 21" May 2018
- Accommodation is provided on request basis

 Eligibility: Faculty from ECF, IT, EEE and other allied branches.

 No TA/DA will be provided

्रीbout the Institution BVBCET

Established in 1947, BVBCET has achieved an

Established in 1947, BVBCET has achieved an enviable status due to a strong emphasis on academic and technical excellence. From a modest beginning when the college offered only an Undergraduate program in civi regimening, the college has indeed come a long way. BVBCET is autonomous college, currenty with the status of Deemed Unversity, offers 12 UG and 8 PG programs and is accredited by NBA. The college has adopted Outcome Based protein industry and the society. Innovative pedagogical practices in the teaching learning process from the academic cost system of the institution. The active involvement of the faculty in research has led to the recognition of 8 research centers by the university. There is always a sense of vibrancy in the campus and it is perennially busting with energy through a wide range of extracurricular activities designed and run by student forums to support the academics.

About ECE Department

Department was established in 1979 & is the pride of Karnataka. The graduates from this department are playing a vital role in the IT revolution and are instrumental in placing Karnataka on the global IT landicape. The department offers Post Graduate programs in 'Digital Electronics' and 'VLSI Design and Embedded Systems'. Active engagement of faculty in research has led to recognition of department as a research center by the University.

E&C students are placed in major industries such as IEM, Motorola, Siemens, Alcatel, Intel, Microsoft, ISRO, BEL, Juniper networks, Mercedes Benz, BOSCH, KPIT, SAMSUNG, and SANKALP SEMICONDUCTOR etc.

About Resource Person;
Paluri S. V. Nataraji is a Professor of Sm.
Control Enga, Group at a Bombay, the obtained from IIT Madras in process and the professor of Sm.
Control Enga, Group at 10 Bombay, the obtained about one and half years of Bombay, inclusion about one and half years of Bombay, inclusion about one and half years of Bombay in 1988. He has been involved in Bombay in 1988. He has been involved in Bombay at IIT Bombay in 1989.

He has been involved in Bombay in 2014 and 1989.

His current research inferents are in the areas of Global Optimization, Parallel Computing, and Robust Control Prof. Mariaj secreted the award for Myllon, Los Control of Excellence" (now renamed as GPU Certupo Corporating, and Robust Control Prof. Mariaj secreted the award for more of Excellence in GPU Computing Boasd Global Optimization, Parallel Computing based Global Optimization, be a currently also the Chalmont of the NVIDIA Academic Program Committee for Indian Series in 2012, he wom the NVIDIA was often in the NVIDIA Academic Program Committee for Indian Series in 2012, he work the Series of Series of Series and Formation with GPUS' for his work in Parallel Computing Boasd Global Optimization, the is currently also the Chalmon of rock in North Computing Boasd Global Optimization, the is currently also the Chalmon of the NVIDIA Academic Program Committee for Indian Maria and For creating the Open Power Research Facility of The Nataraj also received the Shared Chalversty Andre (1971) from IBM, USA in 2015 for research on global optimization and for creating the Open Power Research Facility of Africa, and as an academic member of the APEX committee for Gas Turbine Technology Initiative (AETE) of DROO, India. He is also on the national steering committee for DEITY and Exercic Control of the Africa in areas such as optimization, reliabile computing and Africa in areas such as optimization, reliabile computing and Africa in areas such as optimization, reliabile computing and Africa in areas such as optimization of Severinterna



K.L.E. Society's B.V.Bhoomaraddi ('ollege of Engineering & Technology, Hubli – 580 031 Department of Electronics & Communication Engineering

$\textbf{TEQIP Sponsored} \ FDP \ on \ \textbf{Automation and Control Applications}, 4\text{--}6, June \ 2018$

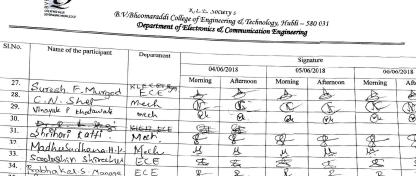
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Sl.No.	Name of the participant	Department	Signature					
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K.L.E. Society's B.V.Bhoomaraddi College of Engineering L. Technology, Hubli – 580 031 Department of Electronics & Communication Engineering

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