


# 108.Automation and Control application

K.L.E. Society's  
B.V.Bhoomaraddi College of Engineering & Technology

  
Delegate Registration Form for  
CEP course on  
"Automation and Control Applications"  
4<sup>th</sup> to 6<sup>th</sup> June 2018

**REGISTRATION FORM**

Name : \_\_\_\_\_  
Designation : \_\_\_\_\_  
Organization : \_\_\_\_\_  
Experience : \_\_\_\_\_  
Address : \_\_\_\_\_  
Mobile Number : \_\_\_\_\_  
Email : \_\_\_\_\_  
Place : \_\_\_\_\_  
DD No : \_\_\_\_\_  
Bank : \_\_\_\_\_  
Date : \_\_\_\_\_

Signature of the participant

Office seal      Signature of Head of Institution

---

**Resource Person:**  
Dr. P. S. V. Nataraj  
Professor, Systems and Control Department,  
IIT Bombay, Mumbai

**Chief Patron:**  
Dr. Ashok Shettar, Vice Chancellor,  
K.L.E. Technological University, Hubli-31

**Patrons:**  
Prof. B. L. Desai, Registrar  
K.L.E. Technological University, Hubli.

**Dr. P. G. Tewari, Principal**  
B.V. Bhoomaraddi College of Engineering & Technology, Hubli

**Convener:**  
Dr. Nalini C Jyor, HOS  
School of Electronics and Communication  
K.L.E. Technological University, Hubli -31.  
Landline: 0836-2378250  
Email: hod\_ece@bvb.edu, nalini@bvb.edu



**Organizing Committee:**  
Dr. R. M. Banakar  
Dr. Priyatham Kumar  
Dr. Sujata Kotabaqi  
Prof. R. V. Hangal  
Prof. Hemantraj Kelagadi  
Prof. Kiran. M. R  
Dr. Ramakrishna. S

**Co-ordinators:**  
Prof. Soumya S Patil, Mob: +91-9844362025  
Email: soumya@bvb.edu

Prof. Suhas Shirol, Mob: +91-9035203578  
Email: suhasshirol@bvb.edu

Prof. Raghavendra Shet, Mob: +91-988659327  
Email: raghu@bvb.edu

**CEP course on**  
**"Automation and Control**  
**Applications"**  
**4<sup>th</sup> to 6<sup>th</sup> June 2018**

KLE Society's  
**B. V. Bhoomaraddi**  
**College of Engineering & Technology**  
**Hubli, Karnataka**

Co-Ordinator  
**Dr. Rajashekar B Shettar,**  
Department of Electronics and Communication  
Engineering  
B.V.Bhoomaraddi College of Engg. & Technology  
Vijyanagar, Hubli 580031  
www.bvb.edu  
www.klettech.ac.in

(20)

# 108.Automation and Control application

## CEP course on "Automation and Control Applications"

A three Day intense course, reinforcing learning and hands on experience on control systems. Equip the faculty with the foundation, techniques, methodologies and skill-sets. A thorough understanding of the complete automation and control applications

### COURSE 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 controller re-design. automation using PLC, SCADA and Embedded Systems.

### SKILLS TO BE DEVELOPED:

- Understanding of basic control system, their architectures and their limitations.
- Digital control aspects and advances in digital control methodologies
- 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:

Duly filled registration form to be sent to suhasshirol@bvb.edu

- \* Last date for registration is 21<sup>st</sup> May 2018
- \* Accommodation is provided on request basis
- \* Eligibility: Faculty from ECE, IT, EEE and other allied branches.
- \* No TA/DA will be provided

## About the Institution BVBCET

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 civil engineering, the college has indeed come a long way.

BVBCET is autonomous college, currently with the status of Deemed University, offers 12 UG and 8 PG programs and is accredited by NBA. The college has adopted Outcome Based Education (OBE) framework to align the curriculum to the needs of the industry and the society. Innovative pedagogical practices in the teaching learning process from the academic eco 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 bursting 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 landscape. 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 IBM, Motorola, Siemens, Alcatel, Intel, Microsoft, ISRO, BEL, Juniper networks, Mercedes Benz, BOSCH, KPIT, SAMSUNG, and SANKALP SEMICONDUCTOR etc.

## About Resource Person:

Palani S. V. Nataraj is a Professor of Systems and Control Engg. Group at IIT Bombay. He obtained his M.Tech. in process dynamics and control in 1980 from IIT Madras in process dynamics and control in 1980. He then worked in the CAD center at IIT Bombay, India for about one and half years before joining the faculty of the Systems and Control Engineering Group at IIT Bombay in 1988. He has been involved in teaching and research for about 28 years at IIT Bombay.

His current research interests are in the areas of Global Optimization, Parallel Computing, Reliable Computing, and Robust Control. Prof. Nataraj received the award from NVIDIA, USA for a "CUDA Centre of Excellence" (now renamed as GPU Centre for Excellence, or GCCE) at IIT Bombay in 2013. This is the first award for a Centre of Excellence in GPU Computing in India. Earlier in 2012, he won the NVIDIA award for "Innovation with GPUs" for his work in Parallel Computing based Global Optimization. He is currently also the Chairman of the NVIDIA Academic Program Committee for India. Prof. Nataraj also received the Shared University Award (SUR) from IBM, USA in 2015 for research on global optimization and for creating the Open Power Research Facility at IITB. He has been nominated in 2014 as a member of the General Electric (GE) learning advisory board for Africa, and as an academic member of the APEX committee for Gas Turbine Technology Initiative (GATET) of DRDO, India. He is also on the national steering committee for DEITY's indigenous MRI machine (IMRI) from Feb 2015 under "Make in India" initiative.

In 2016, Prof. Nataraj was nominated as an expert member of National Supercomputing Mission - HR group, and chairman of its curriculum sub-committee. Prof. Nataraj has conducted many courses for various industries and organizations, such as nuclear power, space and defense research organizations. He gave numerous invited talks in North and South America, Europe, and Africa in areas such as optimization, reliable computing, and control. Some of his papers received the best paper awards at various international conferences. Prof. Nataraj was the chairman or co-chairman of several international conferences sponsored by IEEE and other societies. He also chaired and co-chaired several sessions in various international conferences in India and abroad.

# 108.Automation and Control application



K.L.E. Society's  
 B.V.Bhoosmaraddi College of Engineering & Technology, Hubli - 580 031  
 Department of Electronics & Communication Engineering

## TEQIP Sponsored FDP on Automation and Control Applications, 4-6, June 2018

### Attendance List

| Sl.No. | Name of the participant | Department    | Signature   |             |             |             |             |             |
|--------|-------------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|
|        |                         |               | 04/06/2018  |             | 05/06/2018  |             | 06/06/2018  |             |
|        |                         |               | Morning     | Afternoon   | Morning     | Afternoon   | Morning     | Afternoon   |
| 1.     | Subas B.S               | E&C, BVBCEET  | [Signature] | [Signature] | [Signature] | [Signature] | [Signature] | [Signature] |
| 2.     | Rohit Kalyani           | E&C, BVBCEET  | [Signature] | [Signature] | [Signature] | [Signature] | [Signature] | [Signature] |
| 3.     | Satish Chikkamath       | E&C, BVBCEET  | [Signature] | [Signature] | [Signature] | [Signature] | [Signature] | [Signature] |
| 4.     | Sachin Angadi           | E&E, BVBCEET  | [Signature] | [Signature] | [Signature] | [Signature] | [Signature] | [Signature] |
| 5.     | Hannurmathagouda B. B.  | E&E, BVBCEET  | [Signature] | [Signature] | [Signature] | [Signature] | [Signature] | [Signature] |
| 6.     | Sushma V                | E&E, KLETECH  | [Signature] | [Signature] | [Signature] | [Signature] | [Signature] | [Signature] |
| 7.     | Miral Salunke           | E&E, KLETKH   | [Signature] | [Signature] | [Signature] | [Signature] | [Signature] | [Signature] |
| 8.     | M.G. Hudebanani         | E&E, KLEET    | [Signature] | [Signature] | [Signature] | [Signature] | [Signature] | [Signature] |
| 9.     | D.S. Anwar              | E&E, KLEET    | [Signature] | [Signature] | [Signature] | [Signature] | [Signature] | [Signature] |
| 10.    | Manjunath G. Kodachethi | E&E, KLEET    | [Signature] | [Signature] | [Signature] | [Signature] | [Signature] | [Signature] |
| 11.    | Dr. R.L. Dargi          | E&E, KLEET    | [Signature] | [Signature] | [Signature] | [Signature] | [Signature] | [Signature] |
| 12.    | AMIT TALLI              | ASR, BVBCEET  | [Signature] | [Signature] | [Signature] | [Signature] | [Signature] | [Signature] |
| 13.    | Nagaraj B.              | AD&B, BVBCEET | [Signature] | [Signature] | [Signature] | [Signature] | [Signature] | [Signature] |

# 108.Automation and Control application



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

| Sl.No. | Name of the participant | Department   | Signature  |           |            |           |            |           |
|--------|-------------------------|--------------|------------|-----------|------------|-----------|------------|-----------|
|        |                         |              | 04/06/2018 |           | 05/06/2018 |           | 06/06/2018 |           |
|        |                         |              | Morning    | Afternoon | Morning    | Afternoon | Morning    | Afternoon |
| 14.    | Mahesh L Muddannavar    | ECE          | MD         | MD        | MD         | MD        | MD         | MD        |
| 15.    | Sharada C. Sejan        | ECE, SDMCET  | SS         | SS        | SS         | SS        | SS         | SS        |
| 16.    | Shilpa V. Tanwashi      | A&R, BYBCEI  | A          | A         | A          | A         | A          | A         |
| 17.    | Uma Kadkani             | KLE Belagavi | UK         | UK        | UK         | UK        | UK         | UK        |
| 18.    | Nalini Karacki          | KLE Belagavi | NK         | NK        | NK         | NK        | NK         | NK        |
| 19.    | Dr R.M. Banakar         | BVB Hubli    | R          | R         | R          | R         | R          | R         |
| 20.    | Deepa S.B               | KLETECH      | DB         | DB        | DB         | DB        | DB         | DB        |
| 21.    | Preethi S. Bellesimath  | SDMCET       | P          | P         | P          | P         | P          | P         |
| 22.    | Sumangala N. Bhavikutt  | SDMCET DSD   | S          | S         | S          | S         | S          | S         |
| 23.    | Annapurna P. Jaggi      | BYBCEI       | A          | A         | A          | A         | A          | A         |
| 24.    | Gowrya Spatil           | KLETECH      | G          | G         | G          | G         | G          | G         |
| 25.    | R. M. Shet              | KLETECH      | R          | R         | R          | R         | R          | R         |
| 26.    | AV Nandi                | BVB          | N          | N         | N          | N         | N          | N         |

27. Soumya S. Patil - BVD

# 108.Automation and Control application



K. L. S. Society's  
 B.V. Bhoomaraddhi College of Engineering & Technology, Hubli - 580 031  
 Department of Electronics & Communication Engineering

| Sl.No. | Name of the participant    | Department     | Signature   |             |             |             |             |             |
|--------|----------------------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|
|        |                            |                | 04/06/2018  |             | 05/06/2018  |             | 06/06/2018  |             |
|        |                            |                | Morning     | Afternoon   | Morning     | Afternoon   | Morning     | Afternoon   |
| 27.    | Suresh F. Murgod           | ECE            |             |             |             |             |             |             |
| 28.    | C.N. Shel                  | Mech           |             |             |             |             |             |             |
| 29.    | Vinayak P. Khatavale       | Mech           |             |             |             |             |             |             |
| 30.    | <del>Dr. P. K. Patil</del> | <del>ECE</del> | <del></del> | <del></del> | <del></del> | <del></del> | <del></del> | <del></del> |
| 31.    | Shrihari Katti             | Mech           |             |             |             |             |             |             |
| 32.    | Madhusudhana H. K.         | Mech           |             |             |             |             |             |             |
| 33.    | Sudeshin Shreehari         | ECE            |             |             |             |             |             |             |
| 34.    | Prabhakar S. Manage        | ECE            |             |             |             |             |             |             |
| 35.    | Vinod Kumar V. Meel        | A&R            |             |             |             |             |             |             |
| 36.    | Shridhar T. D.             | A&R            |             |             |             |             |             |             |
| 37.    | C. R. Kolavy               | A&R            |             |             |             |             |             |             |
| 38.    | Nalini K.                  | EE             |             |             |             |             |             |             |
| 39.    | Uma Kulkarni               | EE             |             |             |             |             |             |             |
| 40.    | Tanuj Javal                | EC             |             |             |             |             |             |             |
| 41.    | Anandraj                   | Mech           |             |             |             |             |             |             |

# 108.Automation and Control application



B.V. Bhoomaraddi College of Engineering & Technology, Hubli - 580 031  
 Department of Electronics & Communication Engineering

## TEQIP Sponsored FDP on Automation and Control Applications, 4-6, June 2018

### Attendance List

| Sl.No. | Name of the participant | Department | Signature          |                    |                    |                    |                    |                    |
|--------|-------------------------|------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
|        |                         |            | 04/06/2018         |                    | 05/06/2018         |                    | 06/06/2018         |                    |
|        |                         |            | Morning            | Afternoon          | Morning            | Afternoon          | Morning            | Afternoon          |
| 40     | Rajashri V. Hange       | ECE        | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| 41     | Hemant M. K             | ECE        | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| 42     | Channarayana            | A&T        | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| 43     | Sujata S.K              | ECE        | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| 44     | Ramakrishna S           | ECE        | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| 45     | Dr. R. B. Shetty        | ECE        | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> | <i>[Signature]</i> |
| 46     |                         |            |                    |                    |                    |                    |                    |                    |
| 47     |                         |            |                    |                    |                    |                    |                    |                    |
| 48     |                         |            |                    |                    |                    |                    |                    |                    |
| 49     |                         |            |                    |                    |                    |                    |                    |                    |

44  
 Participants.