

DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING

FACULTY PROFILE

1. Name : Dr. CHITRA .K
2. Date of Birth : 12.05.1968
3. Designation : Professor & HOD
4. Educational Qualification : M.E., Ph.D.
5. Work Experience : Teaching: 17.9 Years: Industry: 1.3Years
6. Area of Specialization : Electronics and communication,
Applied Electronics,
Optical Communication.



7. Subjects Teaching at Under Graduate / Post Graduate Level:

Electronic Devices and Circuits –UG

8. Papers Published

International Journals

1. Chitra K. and Ravichandran V.C., Performance analysis of coherence multiplexed turbo coded optical PPM CDMA system, Optical Engg., USA,
2. Chitra K. and Ravichandran V.C., Turbo coding of coherence multiplexed optical PPM CDMA system with balanced detection, American Journal of Applied Sciences 4 (5): 264-268, 2007

National Journals

1. Chitra K. and Ravichandran V.C., Balanced detection of turbo coded optical PPM CDMA system, Journal of Optics

International / National Conference proceedings

1. Chitra K. and Ravichandran V.C., Coherence coding of turbo coded optical PPM CDMA system, Int. Conf. TIMA – 2004, Proc. 4th international conference, pp. 509-517
2. Chitra K. and Bagirathan K., Transfer function bounds on the performance of turbo codes, Nat. Conf. on Recent trends in emerging technologies, Adhiyaman college of Engg., Hosur.
3. Chitra K. and Prakash G., Improved AO2P routing protocol, Nat. Conf. on Recent trends in emerging technologies, Adhiyaman college of Engg., Hosur.
4. Chitra K. and Ravichandran V.C., Balanced detection of turbo coded optical PPM CDMA system, CCCT – 2005, Proc. 3rd Int. conf. University of Texas, Austin, pp. 41-45.

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FACULTY PROFILE

1. Name : SELVAKUMAR C
2. Date of Birth : 06.05.1974
3. Designation : Assistant Professor
4. Educational Qualification : M.E., (Ph.D.)
5. Work Experience : Teaching: 13.10Years
6. Area of Specialization : Instrumentation
7. Subjects Teaching at Under Graduate / Post Graduate Level:
Computer Control of Process– UG
8. Papers Published



International Journals

1. Selvakumar.C,Bharathi.M,Panda.R.C, “A comparative test study of simple PI controllers for multivariable system,” *AMSE.*, Vol.61, No.4.2006.
2. Selvakumar.C,Bharathi.M,Panda.R.C, “ A Review of parameter Estimation for Linear time- Invariant Multivariable System”, *IJERIA*, Volume II 2008

International / National Conference proceedings

- 1.Pappa.N,Shanmugam.J,Selvakumar.C, “Design of Internal Model Control for Heat exchanger using Neural networks,” National conference on Process Identification, Control & Diagnosis, Annamalai University,2003, pp 142-147.
2. Selvakumar.C,Bharathi.M,Panda.R.C, “ Synthesis of multivariable controller for a Chemical process”, *CHEMCON* 2007.

FACULTY PROFILE

1. Name : SASILATHA .T
2. Date of Birth : 11:10:1973
3. Designation : Assistant Professor
4. Educational Qualification : M.E., (Ph.D.)
5. Work Experience : Teaching: 13.5 Years: Industry: 0.6Years
6. Area of Specialization : Electronics and communication,
Optical Communication.



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7. Subjects Teaching at Under Graduate / Post Graduate Level:
Communication Engineering –UG

8. Papers Published

International Journals

1. T.Sasilatha, J.Raja , “Comparitive studies on the performance of low power transmitters for wireless sensor nodes” , journal of Computer Science, Volume: 5, issue 2, page 140-145 , 2009
2. T.Sasilatha, J.Raja , “Modified design and analysis of performance optimization common gate LNA for low power wireless sensor network application”, Journal of low power electronics , volume: 5, page 50 – 57, American Science Publication, 2009.
3. T.Sasilatha, J.Raja, “ Modified Design and Analysis of Low Power CMOS RF Transceivers for Wireless Sensor Networks”, The Mediterranean Journal of Computers and Networks, Vol.5, No:3, 2009. pp 88-97.
4. T.Sasilatha, J.Raja, “ A 1V, 2.4 GHz Low Power CMOS Common Source LNA for WSN applications”, International journal of Electronics and Communications, Elsevier pub (Accepted).

International / National Conference proceedings

1. T.Sasilatha, J.Raja, “ Design and Analysis of a 1.2V, 1.8GHz, 240.147micro watts low power ASK Transmitter for WMS Nodes”, Proceedings of PIERS 2008, Hangzhou, China
2. T.Sasilatha, J.Raja, “Performance Analysis of low power CMOS Transmitter for WSN application”, Proceedings of IEEE, MIC – CSC 08, Oct 2008
3. T.Sasilatha, J.Raja , “A 1V, 2.4GHz, Low power receiver front for WSN”, Proceedings of IEEE, MIC – CSC 08, Oct 2008
4. T.Sasilatha, J.Raja ,”Performance Analysis of 2.4 GHz, 8 bit mode SAR ADC for low power wireless sensor nodes”, Proceedings of ATC-2007 IETE Annual convention
5. T.Sasilatha, J.Raja , “Performance Analysis of a Low Power 8 bit mode SAR ADC for wireless sensor nodes”, Proceddings of National Symposium on Instrumentation
6. T.Sasilatha, J.Raja , “Design and Analysis of a 1.2 V, 2.4 GHz, 233 μ w Low Power FSK Transmitter for Wireless Micro Sensor Nodes”, Proceedings of International conference on Trendz in Information Sciences and Computing – TISC 2007
7. T.Sasilatha, J.Raja , “Design and Analysis of a 1.2 V, 2.4 GHz, Low Power ASK Transmitter for Wireless Micro Sensor Nodes” Proceedings of IEEE conference WCSN 2007

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FACULTY PROFILE

1. Name : GNANAKOUSALYA .C
2. Date of Birth : 21:06:72
3. Designation : Assistant Professor
4. Educational Qualification : M.E., (Ph.D.)
5. Work Experience : Teaching: 12.6 Years: Industry: 1.0Years
6. Area of Specialization : Electronics and communication,
Applied Electronics.



7. Subjects Teaching at Under Graduate / Post Graduate Level:

Communication Engineering –UG

8. Papers Published

International Conference proceedings

1. C. Gnana Kousalya, J. Raja, “ An Energy Efficient Traffic – Based key Management Scheme for Wireless Sensor Networks”, IEEE – international conference on Network security, 2009.

FACULTY PROFILE

1. Name :KOTTEESWARAN R
2. Date of Birth :22.05.1977
3. Designation : Assistant Professor
4. Educational Qualification :M.E.,(Ph.D)
5. Work Experience : Teaching: 9.6 Years
6. Area of Specialization : Instrumentation and Control Engineering



7. Subjects Teaching at Under Graduate / Post Graduate Level:

Control Systems –UG

8. Papers Published

National Conference proceedings

1. R.Kotteeswaran, K.P.Sanal Kumar and S.Anu H.Nair, “An Artificial Neural Network Based Expert System For Diagnosing Angina”, National Conference Of Instrumentation For

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Biomedical Engineering, Bharath Institute of Higher Education & Research, Chennai-73, Mar 2005.

2. R.Kotteswaran and A.Senthilkumar, "Smart Sensor Technology", IEEE Sponsored National Conference on Intelligent Systems, Automation & Signal Processing (NCIASP'03), R.M.D. Engineering College, Chennai, Mar 2003

FACULTY PROFILE

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|------------------------------|---|--------------------------------------|
| 1. Name | : | K. SURESH MANIC |
| 2. Date of Birth | : | 25 -08-1980 |
| 3. Designation | : | Asst. Prof |
| 4. Educational Qualification | : | M. E., (Ph.D) |
| 5. Work Experience | : | Teaching: 6.5 Years
Industry: NIL |
| 6. Area of Specialization | : | Instrumentation and Control |



7. Subjects Teaching at Under Graduate / Post Graduate Level:

Control Systems –UG

8. Papers Published

International Journals

1. K. Suresh, K. Balu, "Design Of Fuzzy Estimator To Assist Fault Recovery In A Non Linear. System", International Journal of Computer Application, 2007

2. K.Suresh Manic, R.Sivakumar, V.Nerthiga, R.Akila, K.Balu, "Design of Plant Estimator Model Using Neural Network", IJCSNS International Journal of Computer Science and Network Security, VOL.9 No.6, June 2009

International / National Conference proceedings

1. K. Suresh. et al, "Process Monitoring and Control using Virtual Instrumentation" at RETINA' 04 – National Conference, NEC, Kovilpatti, India.

2. K.Suresh et al., "Process Automation Using PLC, SCADA and HART field devices" at RETINA' 04 – National Conference, NEC, Kovilpatti, India.

3. K.Suresh Manic, K.Balu, "Design of Plant Estimator Model Using Neural Network", International Conference INCAMA, KAlasalingam University, 2009.

4. K.Suresh, K.Balu, "Design of Plant Estimator Model Using Neural Network and FLC" National Conference on Recent Trends on Recent Trends on Advanced Instrumentation –Retina'09.March 13-14 National Engineering College

DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING

FACULTY PROFILE

1. Name : S. VIJAYALAKSHMI
2. Date of Birth : 28 -04-1981
3. Designation : Lecturer
4. Educational Qualification : M. E.,
5. Work Experience : Teaching: 1 Year
Industry: 1 Year 6 Months
6. Area of Specialization : Instrumentation and Control
7. Subjects Teaching at Under Graduate / Post Graduate Level:
- Engineering Practices Lab (Electronics) – UG
Design Project Laboratory - UG
8. Papers Published : NIL



FACULTY PROFILE

1. Name : ANITHA JEBAKUMARI.D
2. Date of Birth : 11.07.84
3. Designation : Lecturer
4. Educational Qualification : B. E.,(M.E)
5. Work Experience : Teaching: 2.5 Years
Industry: 6 months
6. Area of Specialization : Instrumentation and Control Engg
7. Subjects Teaching at Under Graduate / Post Graduate Level:
- Professional Ethics and Human Values –UG
8. Papers Published : NIL



DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING

FACULTY PROFILE

1. Name : VIJAYA RAMARAJ RANGAM
2. Date of Birth : 07-06-1984
3. Designation : Lecturer
4. Educational Qualification : B. E.,(M.E)
5. Work Experience : Teaching: 01 Year
Industry: NIL
6. Area of Specialization : Instrumentation and Control
7. Subjects Teaching at Under Graduate / Post Graduate Level:
Environmental Science and Engineering –UG
8. Papers Published : NIL



FACULTY PROFILE

1. Name : S. DEVAKUMAR
2. Date of Birth : 21-04-81
3. Designation : Lecturer
4. Educational Qualification : B. E.,
5. Work Experience : Teaching: NIL
Industry: 3 Years
6. Area of Specialization : Control System
7. Subjects Teaching at Under Graduate / Post Graduate Level:
Engineering Practices Lab (Electronics) –UG
Design Project Laboratory –UG
8. Papers Published : NIL

